NAME

configuration.nix − NixOS system configuration specification

DESCRIPTION

The file */etc/nixos/configuration.nix* contains the declarative specification of your NixOS system configuration. The command **nixos−rebuild** takes this file and realises the system configuration specified therein.

OPTIONS

You can use the following options in *configuration.nix*.

<imports = [pkgs.ghostunnel.services.default]>

This is a **modular service**, which can be imported into a NixOS configuration using the 'system.services' option.

Type: submodule

<imports = [pkgs.ghostunnel.services.default]>.ghostunnel.package

Package to use for ghostunnel

Type: package

Default:

```
"The ghostunnel package that provided this module."
```

Declared by:

<nixpkgs/pkgs/by−name/gh/ghostunnel/service.nix>

<imports = [pkgs.ghostunnel.services.default]>.ghostunnel.allowAll

If true, allow all clients, do not check client cert subject.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/pkgs/by−name/gh/ghostunnel/service.nix>

<imports = [pkgs.ghostunnel.services.default]>.ghostunnel.allowCN

Allow client if common name appears in the list.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/pkgs/by−name/gh/ghostunnel/service.nix>

<imports = [pkgs.ghostunnel.services.default]>.ghostunnel.allowDNS

Allow client if DNS subject alternative name appears in the list.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/pkgs/by−name/gh/ghostunnel/service.nix>

<imports = [pkgs.ghostunnel.services.default]>.ghostunnel.allowOU
Allow client if organizational unit name appears in the list.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/pkgs/by−name/gh/ghostunnel/service.nix>

<imports = [pkgs.ghostunnel.services.default]>.ghostunnel.allowURI
Allow client if URI subject alternative name appears in the list.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/pkgs/by−name/gh/ghostunnel/service.nix>

<imports = [pkgs.ghostunnel.services.default]>.ghostunnel.cacert
Path to CA bundle file (PEM/X509). Uses system trust store if ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/pkgs/by−name/gh/ghostunnel/service.nix>

<imports = [pkgs.ghostunnel.services.default]>.ghostunnel.cert
Path to certificate (PEM with certificate chain).

Not required if ‘keystore’ is set.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/pkgs/by−name/gh/ghostunnel/service.nix>

<imports = [pkgs.ghostunnel.services.default]>.ghostunnel.disableAuthentication
Disable client authentication, no client certificate will be required.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/pkgs/by−name/gh/ghostunnel/service.nix>

<imports = [pkgs.ghostunnel.services.default]>.ghostunnel.extraArguments
Extra arguments to pass to ‘ghostunnel server’

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/pkgs/by−name/gh/ghostunnel/service.nix>

<imports = [pkgs.ghostunnel.services.default]>.ghostunnel.key
Path to certificate private key (PEM with private key).

Not required if ‘keystore’ is set.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/pkgs/by−name/gh/ghostunnel/service.nix>

<imports = [pkgs.ghostunnel.services.default]>.ghostunnel.keystore
Path to keystore (combined PEM with cert/key, or PKCS12 keystore).

NB: storepass is not supported because it would expose credentials via ‘/proc/*/cmdline’.

Specify this or ‘cert’ and ‘key’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/pkgs/by−name/gh/ghostunnel/service.nix>

<imports = [pkgs.ghostunnel.services.default]>.ghostunnel.listen
Address and port to listen on (can be HOST:PORT, unix:PATH).

Type: string

Declared by:
<nixpkgs/pkgs/by−name/gh/ghostunnel/service.nix>

<imports = [pkgs.ghostunnel.services.default]>.ghostunnel.target
Address to forward connections to (can be HOST:PORT or unix:PATH).

Type: string

Declared by:
<nixpkgs/pkgs/by−name/gh/ghostunnel/service.nix>

<imports = [pkgs.ghostunnel.services.default]>.ghostunnel.unsafeTarget
If set, does not limit target to localhost, 127.0.0.1, [::1], or UNIX sockets.

This is meant to protect against accidental unencrypted traffic on untrusted networks.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/pkgs/by−name/gh/ghostunnel/service.nix>

<imports = [pkgs.ktls−utils.services.default]>
This is a **modular service**, which can be imported into a NixOS configuration using the ‘system.services’ option.

Type: submodule

<imports = [pkgs.ktls−utils.services.default]>.tlshd.package

Package to use for tlshd.

Type: package

Default: The ktls−utils package that provided this module.

Declared by:
<nixpkgs/pkgs/by−name/kt/ktls−utils/service.nix>

<imports = [pkgs.ktls−utils.services.default]>.tlshd.settings
Configuration for tlshd in INI format. See **tlshd.conf**(5) for available options.

Type: attribute set of attribute set of string

Default:

```
{ }
```

Example:

```
{
  "authenticate.server" = {
    "x509.certificate" = "/var/lib/tlshd/cert.pem";
    "x509.private_key" = "/var/lib/tlshd/key.pem";
    "x509.truststore" = "/var/lib/tlshd/truststore.pem";
  };
}
```

Declared by:
<nixpkgs/pkgs/by−name/kt/ktls−utils/service.nix>

<imports = [pkgs.php.services.default]>
This is a **modular service**, which can be imported into a NixOS configuration using the 'system.services' option.

Type: submodule

<imports = [pkgs.php.services.default]>.php−fpm.package
PHP package to use for php−fpm

Type: package

Default: The PHP package that provided this module.

Example:

```
php.buildEnv {
  extensions =
    { all, ... }:
    with all;
    [
      imagick
      opcache
    ];
  extraConfig = "memory_limit=256M";
}
```

Declared by:
<nixpkgs/pkgs/development/interpreters/php/service.nix>

<imports = [pkgs.php.services.default]>.php−fpm.settings

PHP FPM configuration. Refer to **upstream documentation** for details on supported values.

Type: open submodule of attribute set of (string or signed integer or boolean or (open submodule of attribute set of (string or signed integer or boolean)))

Default:

```
{ }
```

Example:

```
{
  log_level = "debug";
  log_limit = 2048;
  mypool = {
    "user" = "php";
    "group" = "php";
    "listen.owner" = "caddy";
    "listen.group" = "caddy";
    "pm" = "dynamic";
    "pm.max_children" = 75;
    "pm.start_servers" = 10;
    "pm.min_spare_servers" = 5;
    "pm.max_spare_servers" = 20;
    "pm.max_requests" = 500;
  }
}
```

Declared by:

<nixpkgs/pkgs/development/interpreters/php/service.nix>

<imports = [pkgs.php.services.default]>.php−fpm.settings.log_level

Error log level.

Type: one of “alert”, “error”, “warning”, “notice”, “debug”

Default:

```
"notice"
```

Declared by:

<nixpkgs/pkgs/development/interpreters/php/service.nix>

<imports = [pkgs.snid.services.default]>

This is a **modular service**, which can be imported into a NixOS configuration using the ‘system.services’ option.

Type: submodule

<imports = [pkgs.snid.services.default]>.snid.package

Package to use for snid.

Type: package

Default:

```
"The snid package that provided this module."
```

Declared by:

<nixpkgs/pkgs/by−name/sn/snid/service.nix>

<imports = [pkgs.snid.services.default]>.snid.backendCidrs

Subnets to which connections may be forwarded. Connections to addresses outside these subnets are rejected. Used in ‘nat46’ and ‘tcp’ modes.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "2001:db8::/64"
  "192.0.2.0/24"
]
```

Declared by:

<nixpkgs/pkgs/by−name/sn/snid/service.nix>

<imports = [pkgs.snid.services.default]>.snid.backendPort

Port number to connect to on the backend in TCP mode. If null, snid uses the same port as the inbound connection.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:

<nixpkgs/pkgs/by−name/sn/snid/service.nix>

<imports = [pkgs.snid.services.default]>.snid.defaultHostname

Hostname to use if a client does not include the SNI extension. If null, SNI−less connections will be terminated with a TLS alert.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/pkgs/by−name/sn/snid/service.nix>

<imports = [pkgs.snid.services.default]>.snid.listen

Addresses to listen on, in go−listener syntax.

Examples: ‘"tcp:443"’, ‘"tcp:0.0.0.0:443"’, ‘"tcp:192.0.2.4:443"’.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "tcp:0.0.0.0:443"
]
```

Declared by:

<nixpkgs/pkgs/by−name/sn/snid/service.nix>

<imports = [pkgs.snid.services.default]>.snid.mode
Proxy mode. One of ‘nat46’, ‘tcp’, or ‘unix’.

Type: one of “nat46”, “tcp”, “unix”

Declared by:
<nixpkgs/pkgs/by−name/sn/snid/service.nix>

<imports = [pkgs.snid.services.default]>.snid.nat46Prefix
IPv6 prefix for the source address when connecting to the backend in NAT46 mode. The client’s IPv4 address is placed in the lower 4 bytes.

Note: this prefix must be routed to the local host, e.g.

```
ip route add local 64:ff9b:1::/96 dev lo
```

Type: null or string

Default:

```
null
```

Example:

```
"64:ff9b:1::"
```

Declared by:
<nixpkgs/pkgs/by−name/sn/snid/service.nix>

<imports = [pkgs.snid.services.default]>.snid.proxyProto
Use PROXY protocol v2 to convey the client IP address to the backend. Applicable in ‘tcp’ and ‘unix’ modes.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/pkgs/by−name/sn/snid/service.nix>

<imports = [pkgs.snid.services.default]>.snid.unixDirectory
Path to the directory containing UNIX domain sockets, used in ‘unix’ mode.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/pkgs/by−name/sn/snid/service.nix>

_module.args
Additional arguments passed to each module in addition to ones like ‘lib’, ‘config’, and ‘pkgs’, ‘modulesPath’.

This option is also available to all submodules. Submodules do not inherit args from their parent module, nor do they provide args to their parent module or sibling submodules. The sole exception to this is the argument ‘name’ which is provided by parent modules to a submodule and contains the attribute name the submodule is bound to, or a unique generated name if it is not bound to an attribute.

Some arguments are already passed by default, of which the following *cannot* be changed with this option:

- *lib*: The nixpkgs library.
- *config*: The results of all options after merging the values from all modules together.

- *options*: The options declared in all modules.
- *specialArgs*: The ‘specialArgs’ argument passed to ‘evalModules’.
- All attributes of *specialArgs*

  Whereas option values can generally depend on other option values thanks to laziness, this does not apply to ‘imports’, which must be computed statically before anything else.

  For this reason, callers of the module system can provide ‘specialArgs’ which are available during import resolution.

  For NixOS, ‘specialArgs’ includes *modulesPath*, which allows you to import extra modules from the nixpkgs package tree without having to somehow make the module aware of the location of the ‘nixpkgs’ or NixOS directories.

```
{ modulesPath, ... }: {
  imports = [
    (modulesPath + "/profiles/minimal.nix")
  ];
}
```

For NixOS, the default value for this option includes at least this argument:

- *pkgs*: The nixpkgs package set according to the **nixpkgs.pkgs** option.

Type: lazy attribute set of raw value

Default:

```
{ }
```

Declared by:
<nixpkgs/lib/modules.nix>

appstream.enable

Whether to install files to support the **AppStream metadata specification**.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/config/appstream.nix>

boot.enableContainers

Whether to enable support for NixOS containers.

Type: boolean

Default:

```
config.containers != { }
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

boot.bcache.enable

Whether to enable bcache mount support.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/tasks/bcache.nix>

boot.bcachefs.package
The bcachefs−tools package to use. This package should also provide a passthru ‘kernelModule’ attribute to build the out−of−tree kernel module.

Type: package

Default:

```
pkgs.bcachefs-tools
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/bcachefs.nix>

boot.binfmt.addEmulatedSystemsToNixSandbox
Whether to add the **boot.binfmt.emulatedSystems** to **nix.settings.extra−platforms**. Disable this to use remote builders for those platforms, while allowing testing binaries locally.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/system/boot/binfmt.nix>

boot.binfmt.emulatedSystems
List of systems to emulate. Will also configure Nix to support your new systems. Warning: the builder can execute all emulated systems within the same build, which introduces impurities in the case of cross compilation.

Type: list of (one of “aarch64−linux”, “aarch64_be−linux”, “alpha−linux”, “armv6l−linux”, “armv7l−linux”, “i386−linux”, “i486−linux”, “i586−linux”, “i686−linux”, “i686−windows”, “loongarch64−linux”, “mips−linux”, “mips64−linux”, “mips64−linuxabin32”, “mips64el−linux”, “mips64el−linuxabin32”, “mipsel−linux”, “powerpc−linux”, “powerpc64−linux”, “powerpc64le−linux”, “riscv32−linux”, “riscv64−linux”, “s390x−linux”, “sparc−linux”, “sparc64−linux”, “wasm32−wasi”, “wasm64−wasi”, “x86_64−linux”, “x86_64−windows”)

Default:

```
[ ]
```

Example:

```
[
  "wasm32-wasi"
  "x86_64-windows"
  "aarch64-linux"
]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/binfmt.nix>

boot.binfmt.preferStaticEmulators

Whether to use static emulators when available.

This enables the kernel to preload the emulator binaries when the binfmt registrations are added, obviating the need to make the emulator binaries available inside chroots and chroot−like sandboxes.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/system/boot/binfmt.nix>

boot.binfmt.registrations

Extra binary formats to register with the kernel. See **https://www.kernel.org/doc/html/latest/admin−guide/binfmt−misc.html** for more details.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/system/boot/binfmt.nix>

boot.binfmt.registrations.<name>.fixBinary

Whether to open the interpreter file as soon as the registration is loaded, rather than waiting for a relevant file to be invoked.

See the description of the 'F' flag in the kernel docs for more details.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/system/boot/binfmt.nix>

boot.binfmt.registrations.<name>.interpreter

The interpreter to invoke to run the program.

Note that the actual registration will point to /run/binfmt/${name}, so the kernel interpreter length limit doesn't apply.

Type: absolute path

Declared by:

<nixpkgs/nixos/modules/system/boot/binfmt.nix>

boot.binfmt.registrations.<name>.magicOrExtension

The magic number or extension to match on.

Type: string

Declared by:

<nixpkgs/nixos/modules/system/boot/binfmt.nix>

boot.binfmt.registrations.<name>.mask

A mask to be ANDed with the byte sequence of the file before matching

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/system/boot/binfmt.nix>

boot.binfmt.registrations.<name>.matchCredentials

Whether to launch with the credentials and security token of the binary, not the interpreter (e.g. setuid bit).

See the description of the ‘C’ flag in the kernel docs for more details.

Implies/requires openBinary = true.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/system/boot/binfmt.nix>

boot.binfmt.registrations.<name>.offset

The byte offset of the magic number used for recognition.

Type: null or signed integer

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/system/boot/binfmt.nix>

boot.binfmt.registrations.<name>.openBinary

Whether to pass the binary to the interpreter as an open file descriptor, instead of a path.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/system/boot/binfmt.nix>

boot.binfmt.registrations.<name>.preserveArgvZero

Whether to pass the original argv[0] to the interpreter.

See the description of the ‘P’ flag in the kernel docs for more details;

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/system/boot/binfmt.nix>

boot.binfmt.registrations.<name>.recognitionType

Whether to recognize executables by magic number or extension.

Type: one of “magic”, “extension”

Default:

```
"magic"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/binfmt.nix>

boot.binfmt.registrations.<name>.wrapInterpreterInShell

Whether to wrap the interpreter in a shell script.

This allows a shell command to be set as the interpreter.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/binfmt.nix>

boot.blacklistedKernelModules

Set of names of kernel modules that should not be loaded automatically by the hardware probing code. This can either be a list of modules or an attrset. In an attrset, names that are set to ‘true’ represent modules that will be blacklisted.

Type: (attribute set of boolean) or (list of string) convertible to it

Default:

```
{ }
```

Example:

```
[
  "cirrusfb"
  "i2c_piix4"
]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/modprobe.nix>

boot.bootspec.enableValidation

Whether to enable the validation of bootspec documents for each build. This will introduce Go in the build−time closure as we are relying on **Cuelang** for schema validation. Enable this option if you want to ascertain that your documents are correct .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/activation/bootspec.nix>

boot.bootspec.package

The bootspec package to use.

Type: package

Default:

```
pkgs.bootspec
```

Declared by:

<nixpkgs/nixos/modules/system/activation/bootspec.nix>

boot.bootspec.extensions

User−defined data that extends the bootspec document.

To reduce incompatibility and prevent names from clashing between applications, it is **highly recommended** to use a unique namespace for your extensions.

Type: attribute set of anything

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/system/activation/bootspec.nix>

boot.consoleLogLevel

The kernel console ‘loglevel’. All Kernel Messages with a log level smaller than this setting will be printed to the console.

Type: signed integer

Default:

```
4
```

Declared by:

<nixpkgs/nixos/modules/system/boot/kernel.nix>

boot.crashDump.enable

If enabled, NixOS will set up a kernel that will boot on crash, and leave the user in systemd rescue to be able to save the crashed kernel dump at /proc/vmcore. It also activates the NMI watchdog.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/misc/crashdump.nix>

boot.crashDump.kernelParams

Parameters that will be passed to the kernel kexec−ed on crash.

Type: list of string

Default:

```
[
  "1"
  "boot.shell_on_fail"
]
```

Declared by:
<nixpkgs/nixos/modules/misc/crashdump.nix>

boot.crashDump.reservedMemory
The amount of memory reserved for the crashdump kernel. If you choose a too high value, dmesg will mention “crashkernel reservation failed”.

Type: string

Default:

```
"128M"
```

Declared by:
<nixpkgs/nixos/modules/misc/crashdump.nix>

boot.devShmSize
Size limit for the /dev/shm tmpfs. Look at **mount**(8), tmpfs size option, for the accepted syntax.

Type: string

Default:

```
"50%"
```

Example:

```
"256m"
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems.nix>

boot.devSize
Size limit for the /dev tmpfs. Look at **mount**(8), tmpfs size option, for the accepted syntax.

Type: string

Default:

```
"5%"
```

Example:

```
"32m"
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems.nix>

boot.extraModprobeConfig
Any additional configuration to be appended to the generated *modprobe.conf*. This is typically used to specify module options. See **modprobe.d**(5) for details.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
  options parport_pc io=0x378 irq=7 dma=1
```

Declared by:
<nixpkgs/nixos/modules/system/boot/modprobe.nix>

boot.extraModulePackages

A list of additional packages supplying kernel modules.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ config.boot.kernelPackages.nvidia_x11 ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/kernel.nix>

boot.extraSystemdUnitPaths

Additional paths that get appended to the SYSTEMD_UNIT_PATH environment variable that can contain mutable unit files.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/stage−2.nix>

boot.growPartition

Whether to enable growing the root partition on boot.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/grow−partition.nix>

boot.hardwareScan

Whether to try to load kernel modules for all detected hardware. Usually this does a good job of providing you with the modules you need, but sometimes it can crash the system or cause other nasty effects.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/udev.nix>

boot.initrd.enable

Whether to enable the NixOS initial RAM disk (initrd). This may be needed to perform some initialisation tasks (like mounting network/encrypted file systems) before continuing the boot process.

Type: boolean

Default:

```
!config.boot.isContainer
```

Declared by:
<nixpkgs/nixos/modules/system/boot/stage−1.nix>

boot.initrd.allowMissingModules
Whether the initrd can be built even though modules listed in **boot.initrd.kernelModules** or **boot.initrd.availableKernelModules** are missing from the kernel. This is useful when combining configurations that include a lot of modules, such as **hardware.enableAllHardware**, with kernels that don't provide as many modules as typical NixOS kernels.

Note that enabling this is discouraged. Instead, try disabling individual modules by setting e.g. 'boot.initrd.availableKernelModules.foo = lib.mkForce false;'

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/system/boot/kernel.nix>

boot.initrd.availableKernelModules
The set of kernel modules in the initial ramdisk used during the boot process. This set must include all modules necessary for mounting the root device. That is, it should include modules for the physical device (e.g., SCSI drivers) and for the file system (e.g., ext3). The set specified here is automatically closed under the module dependency relation, i.e., all dependencies of the modules list here are included automatically. The modules listed here are available in the initrd, but are only loaded on demand (e.g., the ext3 module is loaded automatically when an ext3 filesystem is mounted, and modules for PCI devices are loaded when they match the PCI ID of a device in your system). To force a module to be loaded, include it in **boot.initrd.kernelModules**.

This can either be a list of modules, or an attrset. In an attrset, names that are set to 'true' represent modules that will be included. Note that setting these names to 'false' does not prevent the module from being loaded. For that, use **boot.blacklistedKernelModules**.

Type: (attribute set of boolean) or (list of string) convertible to it

Default:

```
{ }
```

Example:

```
[
  "sata_nv"
  "ext3"
]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/kernel.nix>

boot.initrd.checkJournalingFS
Whether to run **fsck** on journaling filesystems such as ext3.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/stage−1.nix>

boot.initrd.clevis.enable
Whether to enable Clevis in initrd.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/clevis.nix>

boot.initrd.clevis.package
The clevis package to use.

Type: package

Default:

```
pkgs.clevis
```

Declared by:
<nixpkgs/nixos/modules/system/boot/clevis.nix>

boot.initrd.clevis.devices
Encrypted devices that need to be unlocked at boot using Clevis

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/system/boot/clevis.nix>

boot.initrd.clevis.devices.<name>.secretFile
Clevis JWE file used to decrypt the device at boot, in concert with the chosen pin (one of TPM2, Tang server, or SSS).

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/system/boot/clevis.nix>

boot.initrd.clevis.useTang
Whether the Clevis JWE file used to decrypt the devices uses a Tang server as a pin.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/system/boot/clevis.nix>

boot.initrd.compressor
The compressor to use on the initrd image. May be any of:

- The name of one of the predefined compressors, see *pkgs/build−support/kernel/initrd−compressor−meta.nix* for the definitions.
- A function which, given the nixpkgs package set, returns the path to a compressor tool, e.g. ‘pkgs: "${pkgs.pigz}/bin/pigz"’
- (not recommended, because it does not work when cross−compiling) the full path to a compressor

tool, e.g. ‘"${pkgs.pigz}/bin/pigz"’

The given program should read data from stdin and write it to stdout compressed.

Type: string or function that evaluates to a(n) string

Default: zstd if the kernel supports it (5.9+), gzip if not

Example:

```
"xz"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/stage-1.nix>

boot.initrd.compressorArgs
Arguments to pass to the compressor for the initrd image, or null to use the compressor’s defaults.

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/system/boot/stage-1.nix>

boot.initrd.extraFiles
Extra files to link and copy in to the initrd.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/system/boot/stage-1.nix>

boot.initrd.extraFiles.<name>.source
The object to make available inside the initrd.

Type: package

Declared by:
<nixpkgs/nixos/modules/system/boot/stage-1.nix>

boot.initrd.extraFirmwarePaths
Other firmware files (relative to ‘"${config.hardware.firmware}/lib/firmware"’) to include in the final initrd we are building.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/stage-1.nix>

boot.initrd.includeDefaultModules
This option, if set, adds a collection of default kernel modules to **boot.initrd.availableKernelModules** and **boot.initrd.kernelModules**.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/kernel.nix>

boot.initrd.kernelModules
Set of modules that are always loaded by the initrd.

This can either be a list of modules, or an attrset. In an attrset, names that are set to 'true' represent modules that will be included. Note that setting these names to 'false' does not prevent the module from being loaded. For that, use **boot.blacklistedKernelModules**.

Type: (attribute set of boolean) or (list of string) convertible to it

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/system/boot/kernel.nix>

boot.initrd.luks.cryptoModules
A list of cryptographic kernel modules needed to decrypt the root device(s). The default includes all common modules.

Type: list of string

Default:

```
[
  "aes"
  "blowfish"
  "twofish"
  "serpent"
  "cbc"
  "xts"
  "lrw"
  "sha1"
  "sha256"
  "sha512"
  "af_alg"
  "algif_skcipher"
  "cryptd"
  "input_leds"
]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/luksroot.nix>

boot.initrd.luks.devices
The encrypted disk that should be opened before the root filesystem is mounted. Both LVM−over−LUKS and LUKS−over−LVM setups are supported. The unencrypted devices can be accessed as */dev/mapper/«name»*.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  luksroot = {
    device = "/dev/disk/by−uuid/430e9eff−d852−4f68−aa3b−2fa359 \
```

```
9ebe08";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/luksroot.nix>

boot.initrd.luks.devices.<name>.allowDiscards
Whether to allow TRIM requests to the underlying device. This option has security implications; please read the LUKS documentation before activating it. This option is incompatible with authenticated encryption (dm−crypt stacked over dm−integrity).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/system/boot/luksroot.nix>

boot.initrd.luks.devices.<name>.bypassWorkqueues
Whether to bypass dm−crypt's internal read and write workqueues. Enabling this should improve performance on SSDs; see **here** for more information. Needs Linux 5.9 or later.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/system/boot/luksroot.nix>

boot.initrd.luks.devices.<name>.crypttabExtraOpts
Only used with systemd stage 1.

Extra options to append to the last column of the generated crypttab file.

Type: list of (optionally newline−terminated) single−line string

Default:

```
[ ]
```

Example:

```
[
  "_netdev"
]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/luksroot.nix>

boot.initrd.luks.devices.<name>.device
Path of the underlying encrypted block device.

Type: string

Example:

```
"/dev/disk/by−uuid/430e9eff−d852−4f68−aa3b−2fa3599ebe08"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/luksroot.nix>

boot.initrd.luks.devices.<name>.fallbackToPassword

Whether to fallback to interactive passphrase prompt if the keyfile cannot be found. This will prevent unattended boot should the keyfile go missing.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/system/boot/luksroot.nix>

boot.initrd.luks.devices.<name>.fido2.credential

The FIDO2 credential ID.

Type: null or string

Default:

```
null
```

Example:

```
"f1d00200d8dc783f7fb1e10ace8da27f8312d72692abfca2f7e4960a73f48e82e1 \
f7571f6ebfcee9fb434f9886ccc8fcc52a6614d8d2"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/luksroot.nix>

boot.initrd.luks.devices.<name>.fido2.credentials

List of FIDO2 credential IDs.

Use this if you have multiple FIDO2 keys you want to use for the same luks device.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "f1d00200d8dc783f7fb1e10ace8da27f8312d72692abfca2f7e4960a73f48e82 \
e1f7571f6ebfcee9fb434f9886ccc8fcc52a6614d8d2"
]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/luksroot.nix>

boot.initrd.luks.devices.<name>.fido2.gracePeriod

Time in seconds to wait for the FIDO2 key.

Type: signed integer

Default:

```
10
```

Declared by:

<nixpkgs/nixos/modules/system/boot/luksroot.nix>

boot.initrd.luks.devices.<name>.fido2.passwordLess
Defines whatever to use an empty string as a default salt.

Enable only when your device is PIN protected, such as **Trezor**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/system/boot/luksroot.nix>

boot.initrd.luks.devices.<name>.gpgCard
The option to use this LUKS device with a GPG encrypted luks password by the GPG Smartcard. If null (the default), GPG−Smartcard will be disabled for this device.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/system/boot/luksroot.nix>

boot.initrd.luks.devices.<name>.gpgCard.encryptedPass
Path to the GPG encrypted passphrase.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/system/boot/luksroot.nix>

boot.initrd.luks.devices.<name>.gpgCard.gracePeriod
Time in seconds to wait for the GPG Smartcard.

Type: signed integer

Default:

```
10
```

Declared by:
<nixpkgs/nixos/modules/system/boot/luksroot.nix>

boot.initrd.luks.devices.<name>.gpgCard.publicKey
Path to the Public Key.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/system/boot/luksroot.nix>

boot.initrd.luks.devices.<name>.header
The name of the file or block device that should be used as header for the encrypted device.

Type: null or string

Default:

```
null
```

Example:

```
"/root/header.img"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/luksroot.nix>

boot.initrd.luks.devices.<name>.keyFile
The name of the file (can be a raw device or a partition) that should be used as the decryption key for the encrypted device. If not specified, you will be prompted for a passphrase instead.

Type: null or string

Default:

```
null
```

Example:

```
"/dev/sdb1"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/luksroot.nix>

boot.initrd.luks.devices.<name>.keyFileOffset
The offset of the key file. Use this in combination with ‘keyFileSize’ to use part of a file as key file (often the case if a raw device or partition is used as a key file). If not specified, the key begins at the first byte of ‘keyFile’.

Type: null or signed integer

Default:

```
null
```

Example:

```
4096
```

Declared by:
<nixpkgs/nixos/modules/system/boot/luksroot.nix>

boot.initrd.luks.devices.<name>.keyFileSize
The size of the key file. Use this if only the beginning of the key file should be used as a key (often the case if a raw device or partition is used as key file). If not specified, the whole ‘keyFile’ will be used decryption, instead of just the first ‘keyFileSize’ bytes.

Type: null or signed integer

Default:

```
null
```

Example:

```
4096
```

Declared by:
<nixpkgs/nixos/modules/system/boot/luksroot.nix>

boot.initrd.luks.devices.<name>.keyFileTimeout
The amount of time in seconds for a keyFile to appear before timing out and trying passwords.

Type: null or signed integer

Default:

```
null
```

Example:

```
5
```

Declared by:
<nixpkgs/nixos/modules/system/boot/luksroot.nix>

boot.initrd.luks.devices.<name>.postOpenCommands
Commands that should be run right after we have mounted our LUKS device.

Type: strings concatenated with “\n”

Default:
```
""
```

Example:
```
umount /tmp/persistent
```

Declared by:
<nixpkgs/nixos/modules/system/boot/luksroot.nix>

boot.initrd.luks.devices.<name>.preLVM
Whether the luksOpen will be attempted before LVM scan or after it.

Type: boolean

Default:
```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/luksroot.nix>

boot.initrd.luks.devices.<name>.preOpenCommands
Commands that should be run right before we try to mount our LUKS device. This can be useful, if the keys needed to open the drive is on another partition.

Type: strings concatenated with “\n”

Default:
```
""
```

Example:
```
mkdir -p /tmp/persistent
mount -t zfs rpool/safe/persistent /tmp/persistent
```

Declared by:
<nixpkgs/nixos/modules/system/boot/luksroot.nix>

boot.initrd.luks.devices.<name>.tryEmptyPassphrase
If keyFile fails then try an empty passphrase first before prompting for password.

Type: boolean

Default:
```
false
```

Declared by:
<nixpkgs/nixos/modules/system/boot/luksroot.nix>

boot.initrd.luks.devices.<name>.yubikey
The options to use for this LUKS device in YubiKey−PBA. If null (the default), YubiKey−PBA will be disabled for this device.

Type: null or (submodule)

Default:
```
null
```

Declared by:
<nixpkgs/nixos/modules/system/boot/luksroot.nix>

boot.initrd.luks.devices.<name>.yubikey.gracePeriod
Time in seconds to wait for the YubiKey.

Type: signed integer

Default:

```
10
```

Declared by:
<nixpkgs/nixos/modules/system/boot/luksroot.nix>

boot.initrd.luks.devices.<name>.yubikey.iterationStep
How much the iteration count for PBKDF2 is increased at each successful authentication.

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/system/boot/luksroot.nix>

boot.initrd.luks.devices.<name>.yubikey.keyLength
Length of the LUKS slot key derived with PBKDF2 in byte.

Type: signed integer

Default:

```
64
```

Declared by:
<nixpkgs/nixos/modules/system/boot/luksroot.nix>

boot.initrd.luks.devices.<name>.yubikey.saltLength
Length of the new salt in byte (64 is the effective maximum).

Type: signed integer

Default:

```
16
```

Declared by:
<nixpkgs/nixos/modules/system/boot/luksroot.nix>

boot.initrd.luks.devices.<name>.yubikey.slot
Which slot on the YubiKey to challenge.

Type: signed integer

Default:

```
2
```

Declared by:
<nixpkgs/nixos/modules/system/boot/luksroot.nix>

boot.initrd.luks.devices.<name>.yubikey.storage.device
An unencrypted device that will temporarily be mounted in stage−1. Must contain the current salt to create the challenge for this LUKS device.

Type: absolute path

Default:

```
"/dev/sda1"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/luksroot.nix>

boot.initrd.luks.devices.<name>.yubikey.storage.fsType
The filesystem of the unencrypted device.

Type: string

Default:

```
"vfat"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/luksroot.nix>

boot.initrd.luks.devices.<name>.yubikey.storage.path
Absolute path of the salt on the unencrypted device with that device's root directory as "/".

Type: string

Default:

```
"/crypt-storage/default"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/luksroot.nix>

boot.initrd.luks.devices.<name>.yubikey.twoFactor
Whether to use a passphrase and a YubiKey (true), or only a YubiKey (false).

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/luksroot.nix>

boot.initrd.luks.fido2Support
Enables support for authenticating with FIDO2 devices.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/system/boot/luksroot.nix>

boot.initrd.luks.gpgSupport
Enables support for authenticating with a GPG encrypted password.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/system/boot/luksroot.nix>

boot.initrd.luks.mitigateDMAAttacks
Unless enabled, encryption keys can be easily recovered by an attacker with physical access to any machine with PCMCIA, ExpressCard, ThunderBolt or FireWire port. More information is available at **https://en.wikipedia.org/wiki/DMA_attack**.

This option blacklists FireWire drivers, but doesn't remove them. You can manually load the drivers if

you need to use a FireWire device, but don't forget to unload them!

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/luksroot.nix>

boot.initrd.luks.reusePassphrases
When opening a new LUKS device try reusing last successful passphrase.

Useful for mounting a number of devices that use the same passphrase without retyping it several times.

Such setup can be useful if you use **cryptsetup luksSuspend**. Different LUKS devices will still have different master keys even when using the same passphrase.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/luksroot.nix>

boot.initrd.luks.yubikeySupport
Enables support for authenticating with a YubiKey on LUKS devices. See the NixOS wiki for information on how to properly setup a LUKS device and a YubiKey to work with this feature.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/system/boot/luksroot.nix>

boot.initrd.network.enable
Add network connectivity support to initrd. The network may be configured using the 'ip' kernel parameter, as described in **the kernel documentation**. Otherwise, if **networking.useDHCP** is enabled, an IP address is acquired using DHCP.

You should add the module(s) required for your network card to boot.initrd.availableKernelModules. 'lspci −v | grep −iA8 'network\|ethernet'' will tell you which.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/system/boot/initrd−network.nix>

boot.initrd.network.flushBeforeStage2
Whether to clear the configuration of the interfaces that were set up in the initrd right before stage 2 takes over. Stage 2 will do the regular network configuration based on the NixOS networking options.

The default is false when systemd is enabled in initrd, because the systemd−networkd documentation suggests it.

Type: boolean

Default:

```
"!config.boot.initrd.systemd.enable"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/initrd-network.nix>

boot.initrd.network.ifstate.enable
Whether to enable initrd networking using IfState.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ifstate.nix>

boot.initrd.network.ifstate.package
The initrd IfState package to use.

Type: package

Default:

```
pkgs.ifstate.override { withConfigValidation = false; }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ifstate.nix>

boot.initrd.network.ifstate.allowIfstateToDrasticlyIncreaseInitrdSize
IfState in initrd drastically increases the size of initrd, your boot partition may be too small and/or you may have significantly fewer generations. By setting this option, you acknowledge this fact and keep it in mind when reporting issues.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ifstate.nix>

boot.initrd.network.ifstate.cleanupSettings
Content of IfState's initrd cleanup configuration file. See **https://ifstate.net/2.0/schema/** for details. This configuration gets applied before systemd switches to stage two. The goal is to deconfigurate the whole network in order to prevent access to services, before the firewall is configured. The stage two IfState configuration will start after the firewall is configured.

Type: YAML 1.1 value

Default:

```
{
  interfaces = { };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ifstate.nix>

boot.initrd.network.ifstate.settings

Content of IfState's initrd configuration file. See **https://ifstate.net/2.2/schema/** for details.

Type: YAML 1.1 value

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ifstate.nix>

boot.initrd.network.openvpn.enable

Starts an OpenVPN client during initrd boot. It can be used to e.g. remotely accessing the SSH service controlled by **boot.initrd.network.ssh** or other network services included. Service is killed when stage−1 boot is finished.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/system/boot/initrd−openvpn.nix>

boot.initrd.network.openvpn.configuration

The configuration file for OpenVPN.

Warning
Unless your bootloader supports initrd secrets, this configuration is stored insecurely in the global Nix store.

Type: absolute path

Example:

```
./configuration.ovpn
```

Declared by:

<nixpkgs/nixos/modules/system/boot/initrd−openvpn.nix>

boot.initrd.network.postCommands

Shell commands to be executed after stage 1 of the boot has initialised the network.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/system/boot/initrd−network.nix>

boot.initrd.network.ssh.enable

Start SSH service during initrd boot. It can be used to debug failing boot on a remote server, enter passphrase for an encrypted partition etc. Service is killed when stage−1 boot is finished.

The sshd configuration is largely inherited from **services.openssh**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/system/boot/initrd-ssh.nix>

boot.initrd.network.ssh.authorizedKeyFiles
Authorized keys taken from files for the root user on initrd. You can combine the 'authorizedKeyFiles' and 'authorizedKeys' options.

Type: list of absolute path

Default:

```
config.users.users.root.openssh.authorizedKeys.keyFiles
```

Declared by:
<nixpkgs/nixos/modules/system/boot/initrd-ssh.nix>

boot.initrd.network.ssh.authorizedKeys
Authorized keys for the root user on initrd. You can combine the 'authorizedKeys' and 'authorizedKeyFiles' options.

Type: list of string

Default:

```
config.users.users.root.openssh.authorizedKeys.keys
```

Example:

```
[
  "ssh-rsa AAAAB3NzaC1yc2etc/etc/etcjwrsh8e596z6J0l7 example@host"
  "ssh-ed25519 AAAAC3NzaCetcetera/etceteraJZMfk3QPfQ foo@bar"
]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/initrd-ssh.nix>

boot.initrd.network.ssh.extraConfig
Verbatim contents of *sshd_config*.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/system/boot/initrd-ssh.nix>

boot.initrd.network.ssh.hostKeys
Specify SSH host keys to import into the initrd.

To generate keys, use **ssh-keygen**(1) as root:

```
ssh-keygen -t rsa -N "" -f /etc/secrets/initrd/ssh_host_rsa_key
ssh-keygen -t ed25519 -N "" -f /etc/secrets/initrd/ssh_host_ed2 \
5519_key
```

Warning
Unless your bootloader supports initrd secrets, these keys are stored insecurely in the global Nix store. Do NOT use your regular SSH host private keys for this purpose or you'll expose them to regular users!

Additionally, even if your initrd supports secrets, if you're using initrd SSH to unlock an encrypted disk then using your regular host keys exposes the private keys on your unencrypted boot partition.

Type: list of (string or absolute path)

Default:

```
[ ]
```

Example:

```
[
  "/etc/secrets/initrd/ssh_host_rsa_key"
  "/etc/secrets/initrd/ssh_host_ed25519_key"
]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/initrd-ssh.nix>

boot.initrd.network.ssh.ignoreEmptyHostKeys
Allow leaving **config.boot.initrd.network.ssh.hostKeys** empty, to deploy ssh host keys out of band.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/system/boot/initrd-ssh.nix>

boot.initrd.network.ssh.port
Port on which SSH initrd service should listen.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
22
```

Declared by:
<nixpkgs/nixos/modules/system/boot/initrd-ssh.nix>

boot.initrd.network.ssh.shell
Login shell of the remote user. Can be used to limit actions user can do.

Type: null or string

Default:

```
"\"/bin/ash\""
```

Declared by:
<nixpkgs/nixos/modules/system/boot/initrd-ssh.nix>

boot.initrd.network.udhcpc.enable
Enables the udhcpc service during stage 1 of the boot process. This defaults to **networking.useDHCP**. Therefore, this useful if useDHCP is off but the initramfs should do dhcp.

Type: boolean

Default:

```
config.networking.useDHCP
```

Declared by:
<nixpkgs/nixos/modules/system/boot/initrd-network.nix>

boot.initrd.network.udhcpc.extraArgs

Additional command−line arguments passed verbatim to udhcpc if **boot.initrd.network.enable** and **boot.initrd.network.udhcpc.enable** are enabled.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/initrd−network.nix>

boot.initrd.nix−store−veritysetup.enable

Whether to enable nix−store−veritysetup.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/nix−store−veritysetup.nix>

boot.initrd.postDeviceCommands

Shell commands to be executed immediately after stage 1 of the boot has loaded kernel modules and created device nodes in */dev*.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/system/boot/stage−1.nix>

boot.initrd.postMountCommands

Shell commands to be executed immediately after the stage 1 filesystems have been mounted.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/system/boot/stage−1.nix>

boot.initrd.postResumeCommands

Shell commands to be executed immediately after attempting to resume.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/system/boot/stage−1.nix>

boot.initrd.preDeviceCommands

Shell commands to be executed before udev is started to create device nodes.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/system/boot/stage−1.nix>

boot.initrd.preFailCommands

Shell commands to be executed before the failure prompt is shown.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/system/boot/stage−1.nix>

boot.initrd.preLVMCommands

Shell commands to be executed immediately before LVM discovery.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/system/boot/stage−1.nix>

boot.initrd.prepend

Other initrd files to prepend to the final initrd we are building.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/stage−1.nix>

boot.initrd.secrets

Secrets to append to the initrd. The attribute name is the path the secret should have inside the initrd, the value is the path it should be copied from (or null for the same path inside and out).

Note that ‘nixos−rebuild switch’ will generate the initrd also for past generations, so if secrets are moved or deleted you will also have to garbage collect the generations that use those secrets.

Type: attribute set of (null or absolute path)

Default:

```
{ }
```

Example:

```
{ "/etc/dropbear/dropbear_rsa_host_key" =
    ./secret−dropbear−key;
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/stage-1.nix>

boot.initrd.services.bcache.enable
This will only be used when systemd is used in stage 1.

Whether to enable bcache support in the initrd.

Type: boolean

Default:

```
config.boot.initrd.systemd.enable && config.boot.bcache.enable
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/tasks/bcache.nix>

boot.initrd.services.lvm.enable
This will only be used when systemd is used in stage 1.

Whether to enable booting from LVM2 in the initrd.

Type: boolean

Default:

```
config.boot.initrd.systemd.enable && config.services.lvm.enable
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/tasks/lvm.nix>

boot.initrd.services.resolved.enable
Whether to enable resolved for stage 1 networking. Uses the toplevel 'services.resolved' options for 'resolved.conf'

Type: unspecified value

Default:

```
"config.boot.initrd.systemd.network.enable"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/resolved.nix>

boot.initrd.services.udev.packages
This will only be used when systemd is used in stage 1.

List of packages containing **udev** rules that will be copied to stage 1. All files found in *«pkg»/etc/udev/rules.d* and *«pkg»/lib/udev/rules.d* will be included.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/udev.nix>

boot.initrd.services.udev.binPackages

This will only be used when systemd is used in stage 1.

Packages to search for binaries that are referenced by the udev rules in stage 1. This list always contains /bin of the initrd.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/udev.nix>

boot.initrd.services.udev.rules

udev rules to include in the initrd *only*. They'll be written into file *99−local.rules*. Thus they are read and applied after the essential initrd rules.

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
  SUBSYSTEM=="net", ACTION=="add", DRIVERS=="?*", ATTR{address}=="0 \
0:1D:60:B9:6D:4F", KERNEL=="eth*", NAME="my_fast_network_card"
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/udev.nix>

boot.initrd.stage1Greeting

The greeting message displayed during NixOS stage 1 boot.

Type: string

Default:

```
"<<< ${config.system.nixos.distroName} Stage 1 >>>"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/stage−1.nix>

boot.initrd.supportedFilesystems

Names of supported filesystem types, or an attribute set of file system types and their state. The set form may be used together with 'lib.mkForce' to explicitly disable support for specific filesystems, e.g. to disable ZFS with an unsupported kernel.

Type: (attribute set of boolean) or (list of string) convertible to it

Default:

```
{ }
```

Example:

```
{
  btrfs = true;
  zfs = lib.mkForce false;
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/stage−1.nix>

boot.initrd.systemd.enable

Whether to enable systemd in initrd. The unit options such as **boot.initrd.systemd.services** are the same as their stage 2 counterparts such as **systemd.services**, except that ‘restartTriggers’ and ‘reloadTriggers’ are not supported.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/initrd.nix>

boot.initrd.systemd.package

The systemd package to use.

Type: package

Default:

```
config.systemd.package
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/initrd.nix>

boot.initrd.systemd.packages

Packages providing systemd units and hooks.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.systemd-cryptsetup-generator ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/initrd.nix>

boot.initrd.systemd.additionalUpstreamUnits

Additional units shipped with systemd that shall be enabled.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "debug-shell.service"
  "systemd-quotacheck.service"
]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/initrd.nix>

boot.initrd.systemd.automounts

Definition of systemd automount units. This is a list instead of an attrSet, because systemd mandates the names to be derived from the ‘where’ attribute.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/initrd.nix>

boot.initrd.systemd.contents

Set of files that have to be linked into the initrd

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "/etc/machine-id".source = /etc/machine-id;
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/initrd.nix>

boot.initrd.systemd.contents.<name>.enable

Whether to enable copying of this file and symlinking it.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/initrd.nix>

boot.initrd.systemd.contents.<name>.dlopen.features

Features to enable via dlopen ELF notes. These will be in addition to anything included via ‘usePriority’, regardless of their priority.

Type: list of (optionally newline−terminated) single−line string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/initrd.nix>

boot.initrd.systemd.contents.<name>.dlopen.usePriority

Priority of dlopen ELF notes to include. “required” is minimal, “recommended” includes “required”, and “suggested” includes “recommended”.

See: **https://systemd.io/ELF_DLOPEN_METADATA/**

Type: one of “required”, “recommended”, “suggested”

Default:

```
"recommended"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/initrd.nix>

boot.initrd.systemd.contents.<name>.source
Path of the source file.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/initrd.nix>

boot.initrd.systemd.contents.<name>.target
Path of the symlink.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/initrd.nix>

boot.initrd.systemd.contents.<name>.text
Text of the file.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/initrd.nix>

boot.initrd.systemd.dbus.enable
Whether to enable dbus in stage 1.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/system/dbus.nix>

boot.initrd.systemd.dmVerity.enable
Mount verity−protected block devices in the initrd.

Enabling this option allows to use ‘systemd−veritysetup’ and ‘systemd−veritysetup−generator’ in the initrd.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/dm-verity.nix>

boot.initrd.systemd.emergencyAccess
Set to true for unauthenticated emergency access, and false or null for no emergency access.

Can also be set to a hashed super user password to allow authenticated access to the emergency mode.

For emergency access after initrd, use 'systemd.enableEmergencyMode' instead.

Type: boolean or null or (string, not containing newlines or colons)

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/initrd.nix>

boot.initrd.systemd.extraBin
Tools to add to /bin

Type: attribute set of absolute path

Default:

```
{ }
```

Example:

```
{
  umount = "${pkgs.util-linux}/bin/umount";
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/initrd.nix>

boot.initrd.systemd.fido2.enable
Whether to enable systemd FIDO2 support.

Type: boolean

Default:

```
config.boot.initrd.systemd.package.withFido2
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/fido2.nix>

boot.initrd.systemd.groups
Groups to include in initrd.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/config/users-groups.nix>

boot.initrd.systemd.groups.<name>.gid

ID of the group in initrd.

Type: signed integer

Default:

```
config.users.groups.${name}.gid
```

Declared by:

<nixpkgs/nixos/modules/config/users−groups.nix>

boot.initrd.systemd.initrdBin

Packages to include in /bin for the stage 1 emergency shell.

Type: list of package

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/initrd.nix>

boot.initrd.systemd.managerEnvironment

Environment variables of PID 1. These variables are *not* passed to started units.

Type: attribute set of (null or string or absolute path or package)

Default:

```
{
  PATH = "/bin:/sbin";
}
```

Example:

```
{
  SYSTEMD_LOG_LEVEL = "debug";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/initrd.nix>

boot.initrd.systemd.mounts

Definition of systemd mount units. This is a list instead of an attrSet, because systemd mandates the names to be derived from the ‘where’ attribute.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/initrd.nix>

boot.initrd.systemd.network.enable

Whether to enable networkd or not.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

boot.initrd.systemd.network.config
Definition of global systemd network config.

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

boot.initrd.systemd.network.links
Definition of systemd network links.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

boot.initrd.systemd.network.netdevs
Definition of systemd network devices.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

boot.initrd.systemd.network.networks
Definition of systemd networks.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>
<nixpkgs/nixos/modules/system/boot/networkd.nix>

boot.initrd.systemd.network.wait−online.enable
Whether to enable the systemd−networkd−wait−online service.

systemd−networkd−wait−online can timeout and fail if there are no network interfaces available for it to manage. When systemd−networkd is enabled but a different service is responsible for managing the system's internet connection (for example, NetworkManager or connman are used to manage WiFi connections), this service is unnecessary and can be disabled.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

boot.initrd.systemd.network.wait−online.anyInterface
Whether to consider the network online when any interface is online, as opposed to all of them. This is useful on portable machines with a wired and a wireless interface, for example.

This is on by default if **networking.useDHCP** is enabled.

Type: boolean

Default:

```
"config.networking.useDHCP"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

boot.initrd.systemd.network.wait−online.extraArgs
Extra command−line arguments to pass to systemd−networkd−wait−online. These also affect per−interface ‘systemd−network−wait−online@’ services.

See **systemd−networkd−wait−online.service**(8) for all available options.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

boot.initrd.systemd.network.wait−online.ignoredInterfaces
Network interfaces to be ignored when deciding if the system is online.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "wg0"
]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

boot.initrd.systemd.network.wait−online.timeout
Time to wait for the network to come online, in seconds. Set to 0 to disable.

Type: unsigned integer, meaning >=0

Default:

```
120
```

Example:

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

boot.initrd.systemd.paths

Definition of systemd path units.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/initrd.nix>

boot.initrd.systemd.repart.enable

Grow and add partitions to a partition table at boot time in the initrd. systemd−repart only works with GPT partition tables.

To run systemd−repart after the initrd, see ‘options.systemd.repart.enable’.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/repart.nix>

boot.initrd.systemd.repart.device

The device to operate on.

If ‘device == null’, systemd−repart will operate on the device backing the root partition. So in order to dynamically *create* the root partition in the initrd you need to set a device.

Type: null or string

Default:

```
null
```

Example:

```
"/dev/vda"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/repart.nix>

boot.initrd.systemd.repart.discard

Controls whether to issue the BLKDISCARD I/O control command on the space taken up by any added partitions or on the space in between them. Usually, it’s a good idea to issue this request since it tells the underlying hardware that the covered blocks shall be considered empty, improving performance.

See **systemd−repart**(8) for details.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/repart.nix>

boot.initrd.systemd.repart.empty

Controls how to operate on empty devices that contain no partition table yet. See **systemd−repart**(8) for details.

Type: one of “refuse”, “allow”, “require”, “force”, “create”

Default:

```
"refuse"
```

Example:

```
"require"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/repart.nix>

boot.initrd.systemd.repart.extraArgs

Extra command−line arguments to pass to systemd−repart.

See **systemd−repart**(8) for all available options.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/repart.nix>

boot.initrd.systemd.root

Controls how systemd will interpret the root FS in initrd. See **kernel−command−line**(7). NixOS currently does not allow specifying the root file system itself this way. Instead, the ‘fstab’ value is used in order to interpret the root file system specified with the ‘fileSystems’ option. If root shall be omitted, set this option to ‘null’.

Type: null or one of “fstab”, “gpt−auto”

Default:

```
"fstab"
```

Example:

```
"gpt-auto"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/initrd.nix>

boot.initrd.systemd.services

Definition of systemd service units.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/initrd.nix>

boot.initrd.systemd.settings.Manager

Options for the global systemd service manager used in initrd. See **systemd−system.conf**(5) man page for available options.

Type: open submodule of attribute set of (systemd option)

Default:

```
{
  DefaultEnvironment = "PATH=/bin:/sbin";
}
```

Example:

```
{
  KExecWatchdogSec = "5min";
  RebootWatchdogSec = "10min";
  RuntimeWatchdogSec = "30s";
  WatchdogDevice = "/dev/watchdog";
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/initrd.nix>

boot.initrd.systemd.slices
Definition of slice configurations.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/initrd.nix>

boot.initrd.systemd.sockets
Definition of systemd socket units.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/initrd.nix>

boot.initrd.systemd.storePaths
Store paths to copy into the initrd as well.

Type: list of ((submodule) or ((optionally newline−terminated) single−line string or package) convertible to it)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/initrd.nix>

boot.initrd.systemd.storePaths.*.enable
Whether to enable copying of this file and symlinking it.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/initrd.nix>

boot.initrd.systemd.storePaths.*.dlopen.features
Features to enable via dlopen ELF notes. These will be in addition to anything included via ‘usePriority’, regardless of their priority.

Type: list of (optionally newline−terminated) single−line string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/initrd.nix>

boot.initrd.systemd.storePaths.*.dlopen.usePriority
Priority of dlopen ELF notes to include. “required” is minimal, “recommended” includes “required”, and “suggested” includes “recommended”.

See: **https://systemd.io/ELF_DLOPEN_METADATA/**

Type: one of “required”, “recommended”, “suggested”

Default:

```
"recommended"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/initrd.nix>

boot.initrd.systemd.storePaths.*.source
Path of the source file.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/initrd.nix>

boot.initrd.systemd.storePaths.*.target
Path of the symlink.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/initrd.nix>

boot.initrd.systemd.suppressedStorePaths
Store paths specified in the storePaths option that should not be copied.

Type: list of (optionally newline−terminated) single−line string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/initrd.nix>

boot.initrd.systemd.suppressedUnits

A list of units to skip when generating system systemd configuration directory. This has priority over upstream units, **boot.initrd.systemd.units**, and **boot.initrd.systemd.additionalUpstreamUnits**. The main purpose of this is to prevent a upstream systemd unit from being added to the initrd with any modifications made to it by other NixOS modules.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "systemd-backlight@.service"
]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/initrd.nix>

boot.initrd.systemd.targets

Definition of systemd target units.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/initrd.nix>

boot.initrd.systemd.timers

Definition of systemd timer units.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/initrd.nix>

boot.initrd.systemd.tmpfiles.settings

Similar to **systemd.tmpfiles.settings** but the rules are only applied by systemd−tmpfiles before ‘initrd−switch−root.target’.

See **bootup**(7).

Type: attribute set of attribute set of attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "10-mypackage" = {
    "/var/lib/my-service/statefolder" = {
      d = {
        group = "root";
        mode = "0755";
        user = "root";
      };
```

```
      };
    };
  }
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/tmpfiles.nix>

boot.initrd.systemd.tmpfiles.settings.<config−name>.<path>.<tmpfiles−type>.age
Delete a file when it reaches a certain age.

If a file or directory is older than the current time minus the age field, it is deleted.

If set to ‘"−"’ no automatic clean−up is done.

Type: string

Default:

```
"−"
```

Example:

```
"10d"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/tmpfiles.nix>

boot.initrd.systemd.tmpfiles.settings.<config−name>.<path>.<tmpfiles−type>.argument
An argument whose meaning depends on the type of operation.

Please see the upstream documentation for the meaning of this parameter in different situations: **tmpfiles.d**(5)

Type: string

Default:

```
""
```

Example:

```
""
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/tmpfiles.nix>

boot.initrd.systemd.tmpfiles.settings.<config−name>.<path>.<tmpfiles−type>.group
The group of the file.

This may either be a numeric ID or a user/group name.

If omitted or when set to ‘"−"’, the user and group of the user who invokes systemd−tmpfiles is used.

Type: string

Default:

```
"−"
```

Example:

```
"root"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/tmpfiles.nix>

boot.initrd.systemd.tmpfiles.settings.<config−name>.<path>.<tmpfiles−type>.mode

The file access mode to use when creating this file or directory.

Type: string

Default:

```
"−"
```

Example:

```
"0755"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/tmpfiles.nix>

boot.initrd.systemd.tmpfiles.settings.<config−name>.<path>.<tmpfiles−type>.type

The type of operation to perform on the file.

The type consists of a single letter and optionally one or more modifier characters.

Please see the upstream documentation for the available types and more details: **tmpfiles.d**(5)

Type: string

Default:

```
"‹tmpfiles−type›"
```

Example:

```
"d"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/tmpfiles.nix>

boot.initrd.systemd.tmpfiles.settings.<config−name>.<path>.<tmpfiles−type>.user

The user of the file.

This may either be a numeric ID or a user/group name.

If omitted or when set to ‘"−"’, the user and group of the user who invokes systemd−tmpfiles is used.

Type: string

Default:

```
"−"
```

Example:

```
"root"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/tmpfiles.nix>

boot.initrd.systemd.tpm2.enable

Whether to enable systemd initrd TPM2 support.

Type: boolean

Default:

```
"boot.initrd.systemd.package.withTpm2Units"
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/tpm2.nix>

boot.initrd.systemd.units
Definition of systemd units.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/initrd.nix>

boot.initrd.systemd.users
Users to include in initrd.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

boot.initrd.systemd.users.<name>.group
Group the user belongs to in initrd.

Type: (optionally newline−terminated) single−line string

Default:

```
config.users.users.${name}.group
```

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

boot.initrd.systemd.users.<name>.shell
The path to the user’s shell in initrd.

Type: absolute path, not containing newlines or colons

Default:

```
${pkgs.shadow}/bin/nologin
```

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

boot.initrd.systemd.users.<name>.uid
ID of the user in initrd.

Type: signed integer

Default:

```
config.users.users.${name}.uid
```

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

boot.initrd.unl0kr.enable
Whether to enable the unl0kr on−screen keyboard in initrd to unlock LUKS.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/unl0kr.nix>

boot.initrd.unl0kr.package
The buffybox package to use.

Type: package

Default:

```
pkgs.buffybox
```

Declared by:
<nixpkgs/nixos/modules/system/boot/unl0kr.nix>

boot.initrd.unl0kr.allowVendorDrivers
Whether to load additional drivers for certain vendors (I.E: Wacom, Intel, etc.)

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/unl0kr.nix>

boot.initrd.unl0kr.settings
Configuration for ‘unl0kr’.

See ‘unl0kr.conf(5)’ for supported values.

Alternatively, visit ‘https://gitlab.postmarketos.org/postmarketOS/buffybox/−/blob/3.2.0/unl0kr/unl0kr.conf’

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Example:

```
{
  general.animations = true;
  general.backend = "drm";
  theme = {
    default = "pmos-dark";
    alternate = "pmos-light";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/unl0kr.nix>

boot.initrd.verbose

Verbosity of the initrd. Please note that disabling verbosity removes only the mandatory messages generated by the NixOS scripts. For a completely silent boot, you might also want to set the two following configuration options:

- ‘boot.consoleLogLevel = 0;’
- ‘boot.kernelParams = ["quiet" "udev.log_level=3"];’

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/stage−1.nix>

boot.isContainer

Whether this NixOS machine is a lightweight container running in another NixOS system.

Type: boolean

Default:

```
"config.boot.isNspawnContainer"
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

boot.isNspawnContainer

Whether the machine is running in an nspawn container. This option is added because **boot.isContainer** is heavily used for non−nspawn environments as well, hence nspawn−specific settings are guarded by this option.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

boot.iscsi−initiator.discoverPortal

iSCSI portal to boot from.

Type: null or string

Default:

```
null
```

Example:

```
"192.168.1.1:3260"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/iscsi/root−initiator.nix>

boot.iscsi−initiator.extraConfig

Extra lines to append to /etc/iscsid.conf

Type: null or strings concatenated with “\n”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/iscsi/root−initiator.nix>

boot.iscsi−initiator.extraConfigFile
Append an additional file's contents to '/etc/iscsid.conf'. Use a non−store path and store passwords in this file. Note: the file specified here must be available in the initrd, see: 'boot.initrd.secrets'.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/iscsi/root−initiator.nix>

boot.iscsi−initiator.extraIscsiCommands
Extra iscsi commands to run in the initrd.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/iscsi/root−initiator.nix>

boot.iscsi−initiator.logLevel
Higher numbers elicits more logs.

Type: signed integer

Default:

```
1
```

Example:

```
8
```

Declared by:
<nixpkgs/nixos/modules/services/networking/iscsi/root−initiator.nix>

boot.iscsi−initiator.loginAll
Do not log into a specific target on the portal, but to all that we discover. This overrides setting target.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/iscsi/root−initiator.nix>

boot.iscsi−initiator.name
Name of the iSCSI initiator to boot from. Note, booting from iscsi requires networkd based networking.

Type: null or string

Default:

```
null
```

Example:

```
"iqn.2020−08.org.linux−iscsi.initiatorhost:example"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/iscsi/root−initiator.nix>

boot.iscsi−initiator.target
Name of the iSCSI target to boot from.

Type: null or string

Default:

```
null
```

Example:

```
"iqn.2020−08.org.linux−iscsi.targethost:example"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/iscsi/root−initiator.nix>

boot.kernel.enable
Whether to enable the Linux kernel. This is useful for systemd−like containers which do not require a kernel.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/kernel.nix>

boot.kernel.randstructSeed
Provides a custom seed for the *RANDSTRUCT* security option of the Linux kernel. Note that *RANDSTRUCT* is only enabled in NixOS hardened kernels. Using a custom seed requires building the kernel and dependent packages locally, since this customization happens at build time.

Type: string

Default:

```
""
```

Example:

```
"my secret seed"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/kernel.nix>

boot.kernel.sysctl
Runtime parameters of the Linux kernel, as set by **sysctl**(8). Note that sysctl parameters names must be enclosed in quotes (e.g. ‘"vm.swappiness"’ instead of ‘vm.swappiness’). The value of each parameter may be a string, integer, boolean, or null (signifying the option will not appear at all).

Type: open submodule of attribute set of (sysctl option value)

Default:

```
{ }
```

Example:

```
{ "net.ipv4.tcp_syncookies" = false; "vm.swappiness" = 60; }
```

Declared by:
<nixpkgs/nixos/modules/config/sysctl.nix>

boot.kernel.sysctl."net.core.rmem_max"
The maximum receive socket buffer size in bytes. In case of conflicting values, the highest will be used.

Type: null or (unsigned integer, meaning >=0)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/config/sysctl.nix>

boot.kernel.sysctl."net.core.wmem_max"
The maximum send socket buffer size in bytes. In case of conflicting values, the highest will be used.

Type: null or (unsigned integer, meaning >=0)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/config/sysctl.nix>

boot.kernel.sysfs
sysfs attributes to be set as soon as they become available.

Attribute names represent path components in the sysfs filesystem and cannot be '.' or '..' nor contain any slash character ('/').

Names may contain shell-style glob patterns ('*', '?' and '[…]') matching a single path component, these should however be used with caution, as they may produce unexpected results if attribute paths overlap.

Values will be converted to strings, with list elements concatenated with commata and booleans converted to numeric values ('0' or '1').

'null' values are ignored, allowing removal of values defined in other modules, as are empty attribute sets.

List values defined in different modules will *not* be concatenated.

This option may only be used for attributes which can be set idempotently, as the configured values might be written more than once.

Type: open submodule of nested attribute set of null or sysfs attribute values

Default:

```
{ }
```

Example:

```
{
  # enable transparent hugepages with deferred defragmentaion
  kernel.mm.transparent_hugepage = {
    enabled = "always";
    defrag = "defer";
    shmem_enabled = "within_size";
  };
  devices.system.cpu = {
    # configure powesave frequency governor for all CPUs
    # the [0-9]* glob pattern ensures that other paths
    # like cpufreq or cpuidle are not matched
```

```
      "cpu[0-9]*" = {
        scaling_governor = "powersave";
        energy_performance_preference = 8;
      };
      # disable frequency boost
      intel_pstate.no_turbo = true;
    };
}
```

Declared by:
<nixpkgs/nixos/modules/config/sysfs.nix>

boot.kernelModules
The set of kernel modules to be loaded in the second stage of the boot process. Note that modules that are needed to mount the root file system should be added to **boot.initrd.availableKernelModules** or **boot.initrd.kernelModules**.

This can either be a list of modules, or an attrset. In an attrset, names that are set to 'true' represent modules that will be included. Note that setting these names to 'false' does not prevent the module from being loaded. For that, use **boot.blacklistedKernelModules**.

Type: (attribute set of boolean) or (list of string) convertible to it

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/system/boot/kernel.nix>

boot.kernelPackages
This option allows you to override the Linux kernel used by NixOS. Since things like external kernel module packages are tied to the kernel you're using, it also overrides those. This option is a function that takes Nixpkgs as an argument (as a convenience), and returns an attribute set containing at the very least an attribute *kernel*. Additional attributes may be needed depending on your configuration. For instance, if you use the NVIDIA X driver, then it also needs to contain an attribute *nvidia_x11*.

Please note that we strictly support kernel versions that are maintained by the Linux developers only. More information on the availability of kernel versions is documented **in the Linux section of the manual**.

Type: raw value

Default:

```
pkgs.linuxPackages
```

Example:

```
pkgs.linuxKernel.packages.linux_5_10
```

Declared by:
<nixpkgs/nixos/modules/system/boot/kernel.nix>

boot.kernelParams
Parameters added to the kernel command line.

Type: list of string, with spaces inside double quotes

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/kernel.nix>

boot.kernelPatches

A list of additional patches to apply to the kernel.

Every item should be an attribute set with the following attributes:

```
{
  name = "foo";                  # descriptive name, required
  patch = ./foo.patch;           # path or derivation that contains  \
the patch source
                                 # (required, but can be null if onl \
y config changes
                                 # are needed)
  structuredExtraConfig = {      # attrset of extra configuration pa \
rameters without the CONFIG_ prefix
    FOO = lib.kernel.yes;        # (optional)
  };                             # values should generally be lib.ke \
rnel.yes,
                                 # lib.kernel.no or lib.kernel.modul \
e
  features = {                   # attrset of extra "features" the k \
ernel is considered to have
    foo = true;                  # (may be checked by other NixOS mo \
dules, optional)
  };
  extraConfig = "FOO y";         # extra configuration options in st \
ring form without the CONFIG_ prefix
                                 # (optional, multiple lines allowed \
 to specify multiple options)
                                 # (deprecated, use structuredExtraC \
onfig instead)
}
```

There's a small set of existing kernel patches in Nixpkgs, available as 'pkgs.kernelPatches', that follow this format and can be used directly.

Type: list of (attribute set)

Default:

```
[ ]
```

Example:

```
[
  {
    name = "foo";
    patch = ./foo.patch;
    structuredExtraConfig.FOO = lib.kernel.yes;
    features.foo = true;
  }
  {
    name = "foo-ml-mbox";
    patch = (fetchurl {
      url = "https://lore.kernel.org/lkml/19700205182810.58382-1- \
email@domain/t.mbox.gz";
```

```
      hash = "sha256-...";
    });
  }
]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/kernel.nix>

boot.kexec.enable
Whether to enable kexec.

Type: boolean

Default:

```
lib.meta.availableOn pkgs.stdenv.hostPlatform pkgs.kexec-tools
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/kexec.nix>

boot.loader.efi.canTouchEfiVariables
Whether the installation process is allowed to modify EFI boot variables.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/efi.nix>

boot.loader.efi.efiSysMountPoint
Where the EFI System Partition is mounted.

Type: string

Default:

```
"/boot"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/efi.nix>

boot.loader.external.enable
Whether to enable using an external tool to install your bootloader.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/external/external.nix>

boot.loader.external.installHook

The full path to a program of your choosing which performs the bootloader installation process.

The program will be called with an argument pointing to the output of the system's toplevel.

Type: absolute path

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/external/external.nix>

boot.loader.generationsDir.enable

Whether to create symlinks to the system generations under '/boot'. When enabled, '/boot/default/kernel', '/boot/default/initrd', etc., are updated to point to the current generation's kernel image, initial RAM disk, and other bootstrap files.

This optional is not necessary with boot loaders such as GNU GRUB for which the menu is updated to point to the latest bootstrap files. However, it is needed for U−Boot on platforms where the boot command line is stored in flash memory rather than in a menu file.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/generations−dir/generations−dir.nix>

boot.loader.generationsDir.copyKernels

Whether to copy the necessary boot files into /boot, so /nix/store is not needed by the boot loader.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/generations−dir/generations−dir.nix>

boot.loader.generic−extlinux−compatible.enable

Whether to generate an extlinux−compatible configuration file under '/boot/extlinux.conf'. For instance, U−Boot's generic distro boot support uses this file format.

See **U−boot's documentation** for more information.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/generic−extlinux−compatible>

boot.loader.generic−extlinux−compatible.configurationLimit

Maximum number of configurations in the boot menu.

Type: signed integer

Default:

```
20
```

Example:

```
10
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/generic−extlinux−compatible>

boot.loader.generic−extlinux−compatible.mirroredBoots
Mirror the boot configuration to multiple paths.

Type: list of (submodule)

Default:

```
[
  {
    path = "/boot";
  }
]
```

Example:

```
[
  {
    path = "/boot1";
  }
  {
    path = "/boot2";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/generic−extlinux−compatible>

boot.loader.generic−extlinux−compatible.mirroredBoots.*.path
The path to the boot directory where the extlinux−compatible configuration files will be written.

Type: string

Example:

```
"/boot1"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/generic−extlinux−compatible>

boot.loader.generic−extlinux−compatible.populateCmd
Contains the builder command used to populate an image, honoring all options except the '−c <path−to−default−configuration>' argument. Useful to have for sdImage.populateRootCommands

Type: string *(read only)*

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/generic−extlinux−compatible>

boot.loader.generic−extlinux−compatible.useGenerationDeviceTree
Whether to generate Device Tree−related directives in the extlinux configuration.

When enabled, the bootloader will attempt to load the device tree binaries from the generation's kernel.

Note that this affects all generations, regardless of the setting value used in their configurations.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/generic−extlinux−compatible>

boot.loader.grub.enable
Whether to enable the GNU GRUB boot loader.

Type: boolean

Default:

```
!config.boot.isContainer
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.enableCryptodisk
Enable support for encrypted partitions. GRUB should automatically unlock the correct encrypted partition and look for filesystems.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.backgroundColor
Background color to be used for GRUB to fill the areas the image isn't filling.

Type: null or string

Default:

```
null
```

Example:

```
"#7EBAE4"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.configurationLimit
Maximum of configurations in boot menu. GRUB has problems when there are too many entries.

Type: signed integer

Default:

```
100
```

Example:

```
120
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.configurationName
GRUB entry name instead of default.

Type: string

Default:

```
""
```

Example:

```
"Stable 2.6.21"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.copyKernels
Whether the GRUB menu builder should copy kernels and initial ramdisks to /boot. This is done automatically if /boot is on a different partition than /.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.default
Index of the default menu item to be booted. Can also be set to “saved”, which will make GRUB select the menu item that was used at the last boot.

Type: signed integer or string

Default:

```
"0"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.device
The device on which the GRUB boot loader will be installed. The special value ‘nodev’ means that a GRUB boot menu will be generated, but GRUB itself will not actually be installed. To install GRUB on multiple devices, use ‘boot.loader.grub.devices’.

Type: string

Default:

```
""
```

Example:

```
"/dev/disk/by-id/wwn-0x500001234567890a"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.devices
The devices on which the boot loader, GRUB, will be installed. Can be used instead of ‘device’ to install GRUB onto multiple devices.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "/dev/disk/by-id/wwn-0x500001234567890a"
]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.efiInstallAsRemovable
Whether to invoke ‘grub−install’ with ‘−−removable’.

Unless you turn this on, GRUB will install itself somewhere in ‘boot.loader.efi.efiSysMountPoint’ (exactly where depends on other config variables). If you’ve set ‘boot.loader.efi.canTouchEfiVariables’ *AND* you are currently booted in UEFI mode, then GRUB will use ‘efibootmgr’ to modify the boot order in the EFI variables of your firmware to include this location. If you are *not* booted in UEFI mode at the time GRUB is being installed, the NVRAM will not be modified, and your system will not find GRUB at boot time. However, GRUB will still return success so you may miss the warning that gets printed (“‘efibootmgr: EFI variables are not supported on this system.’”).

If you turn this feature on, GRUB will install itself in a special location within ‘efiSysMountPoint’ (namely ‘EFI/boot/boot$arch.efi’) which the firmwares are hardcoded to try first, regardless of NVRAM EFI variables.

To summarize, turn this on if:

- You are installing NixOS and want it to boot in UEFI mode, but you are currently booted in legacy mode
- You want to make a drive that will boot regardless of the NVRAM state of the computer (like a USB “removable” drive)
- You simply dislike the idea of depending on NVRAM state to make your drive bootable

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.efiSupport
Whether GRUB should be built with EFI support.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.entryOptions
Options applied to the primary NixOS menu entry.

Type: null or string

Default:

```
"--class nixos --unrestricted"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.extraConfig
Additional GRUB commands inserted in the configuration file just before the menu entries.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
  serial --unit=0 --speed=115200 --word=8 --parity=no --s \
top=1
  terminal_input --append serial
  terminal_output --append serial
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.extraEntries
Any additional entries you want added to the GRUB boot menu.

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
# GRUB 2 example
menuentry "Windows 7" {
  chainloader (hd0,4)+1
}

# GRUB 2 with UEFI example, chainloading another distro
menuentry "Fedora" {
  set root=(hd1,1)
  chainloader /efi/fedora/grubx64.efi
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.extraEntriesBeforeNixOS
Whether extraEntries are included before the default option.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.extraFiles
A set of files to be copied to */boot*. Each attribute name denotes the destination file name in */boot*, while the corresponding attribute value specifies the source file.

Type: attribute set of absolute path

Default:

```
{ }
```

Example:

```
{ "memtest.bin" = pkgs.memtest86plus.efi; }
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.extraGrubInstallArgs

Additional arguments passed to ‘grub−install’.

A use case for this is to build specific GRUB2 modules directly into the GRUB2 kernel image, so that they are available and activated even in the ‘grub rescue’ shell.

They are also necessary when the BIOS/UEFI is bugged and cannot correctly read large disks (e.g. above 2 TB), so GRUB2’s own ‘nativedisk’ and related modules can be used to use its own disk drivers. The example shows one such case. This is also useful for booting from USB. See the **GRUB source code** for which disk modules are available.

The list elements are passed directly as ‘argv’ arguments to the ‘grub−install’ program, in order.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "−−modules=nativedisk ahci pata part_gpt part_msdos diskfilter  \
mdraid1x lvm ext2"
]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.extraInstallCommands

Additional shell commands inserted in the bootloader installer script after generating menu entries.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
  # the example below generates detached signatures that GRUB can v \
erify
  # https://www.gnu.org/software/grub/manual/grub/grub.html#Using− \
digital−signatures
  ’’${pkgs.findutils}/bin/find /boot −not −path "/boot/efi/*" −t \
ype f −name ’*.sig’ −delete
  old_gpg_home=$GNUPGHOME
  export GNUPGHOME="$(mktemp −d)"
  ’’${pkgs.gnupg}/bin/gpg −−import ’’${priv_key} > /dev/null 2>&1
  ’’${pkgs.findutils}/bin/find /boot −not −path "/boot/efi/*" −t \
ype f −exec ’’${pkgs.gnupg}/bin/gpg −−detach−sign "{}" \; > /d \
ev/null 2>&1
  rm −rf $GNUPGHOME
  export GNUPGHOME=$old_gpg_home
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.extraPerEntryConfig

Additional GRUB commands inserted in the configuration file at the start of each NixOS menu entry.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
"root (hd0)"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.extraPrepareConfig

Additional bash commands to be run at the script that prepares the GRUB menu entries.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.font

Path to a TrueType, OpenType, or pf2 font to be used by Grub.

Type: null or absolute path

Default:

```
"${pkgs.grub2}/share/grub/unicode.pf2"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.fontSize

Font size for the grub menu. Ignored unless ‘font’ is set to a ttf or otf font.

Type: null or signed integer

Default:

```
null
```

Example:

```
16
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.forceInstall

Whether to try and forcibly install GRUB even if problems are detected. It is not recommended to enable this unless you know what you are doing.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.forcei686

Whether to force the use of a ia32 boot loader on x64 systems. Required to install and run NixOS on 64bit x86 systems with 32bit (U)EFI.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.fsIdentifier

Determines how GRUB will identify devices when generating the configuration file. A value of uuid / label signifies that grub will always resolve the uuid or label of the device before using it in the configuration. A value of provided means that GRUB will use the device name as show in **df** or **mount**. Note, zfs zpools / datasets are ignored and will always be mounted using their labels.

Type: one of “uuid”, “label”, “provided”

Default:

```
"uuid"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.gfxmodeBios

The gfxmode to pass to GRUB when loading a graphical boot interface under BIOS.

Type: string

Default:

```
"1024x768"
```

Example:

```
"auto"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.gfxmodeEfi

The gfxmode to pass to GRUB when loading a graphical boot interface under EFI.

Type: string

Default:

```
"auto"
```

Example:

```
"1024x768"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.gfxpayloadBios

The gfxpayload to pass to GRUB when loading a graphical boot interface under BIOS.

Type: string

Default:

```
"text"
```

Example:

```
"keep"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.gfxpayloadEfi
The gfxpayload to pass to GRUB when loading a graphical boot interface under EFI.

Type: string

Default:

```
"keep"
```

Example:

```
"text"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.ipxe
Set of iPXE scripts available for booting from the GRUB boot menu.

Type: attribute set of (absolute path or string)

Default:

```
{ }
```

Example:

```
{ demo = ''
    #!ipxe
    dhcp
    chain http://boot.ipxe.org/demo/boot.php
  '';
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/grub/ipxe.nix>

boot.loader.grub.memtest86.enable
Make Memtest86+, a memory testing program, available from the GRUB boot menu.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/grub/memtest.nix>

boot.loader.grub.memtest86.params
Parameters added to the Memtest86+ command line. As of memtest86+ 5.01 the following list of (apparently undocumented) parameters are accepted:

- ‘console=...’, set up a serial console. Examples: ‘console=ttyS0’, ‘console=ttyS0,9600’ or ‘console=ttyS0,115200n8’.
- ‘btrace’, enable boot trace.
- ‘maxcpus=N’, limit number of CPUs.
- ‘onepass’, run one pass and exit if there are no errors.
- ‘tstlist=...’, list of tests to run. Example: ‘0,1,2’.

- ‘cpumask=...’, set a CPU mask, to select CPUs to use for testing.

This list of command line options was obtained by reading the Memtest86+ source code.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "console=ttyS0,115200"
]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/grub/memtest.nix>

boot.loader.grub.mirroredBoots

Mirror the boot configuration to multiple partitions and install grub to the respective devices corresponding to those partitions.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    devices = [
      "/dev/disk/by-id/wwn-0x500001234567890a"
    ];
    path = "/boot1";
  }
  {
    devices = [
      "/dev/disk/by-id/wwn-0x500009876543210a"
    ];
    path = "/boot2";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.mirroredBoots.*.devices

The path to the devices which will have the GRUB MBR written. Note these are typically device paths and not paths to partitions.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "/dev/disk/by-id/wwn-0x500001234567890a"
  "/dev/disk/by-id/wwn-0x500009876543210a"
]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.mirroredBoots.*.efiBootloaderId
The id of the bootloader to store in efi nvram. The default is to name it NixOS and append the path or efiSysMountPoint. This is only used if 'boot.loader.efi.canTouchEfiVariables' is true.

Type: null or string

Default:

```
null
```

Example:

```
"NixOS-fsid"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.mirroredBoots.*.efiSysMountPoint
The path to the efi system mount point. Usually this is the same partition as the above path and can be left as null.

Type: null or string

Default:

```
null
```

Example:

```
"/boot1/efi"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.mirroredBoots.*.path
The path to the boot directory where GRUB will be written. Generally this boot path should double as an EFI path.

Type: string

Example:

```
"/boot1"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.splashImage
Background image used for GRUB. Set to 'null' to run GRUB in text mode.

Note
File must be one of .png, .tga, .jpg, or .jpeg. JPEG images must not be progressive. The image will be scaled if necessary to fit the screen.

Type: null or absolute path

Default:

```
null
```

Example:

```
./my-background.png
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.splashMode
Whether to stretch the image or show the image in the top−left corner unstretched.

Type: one of “normal”, “stretch”

Default:

```
"stretch"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.storePath
Path to the Nix store when looking for kernels at boot. Only makes sense when copyKernels is false.

Type: string

Default:

```
"/nix/store"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.subEntryOptions
Options applied to the secondary NixOS submenu entry.

Type: null or string

Default:

```
"--class nixos"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.theme
Path to the grub theme to be used.

Type: null or absolute path

Default:

```
null
```

Example:

```
"${pkgs.kdePackages.breeze-grub}/grub/themes/breeze"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.timeoutStyle
- ‘menu’ shows the menu.
- ‘countdown’ uses a text−mode countdown.
- ‘hidden’ hides GRUB entirely.

When using a theme, the default value (‘menu’) is appropriate for the graphical countdown.

When attempting to do flicker−free boot, ‘hidden’ should be used.

See the **GRUB documentation section about** ‘timeout_style’.

> **Note**
> If this option is set to ‘countdown’ or ‘hidden’ […] and ESC or F4 are pressed, or SHIFT is held down during that time, it will display the menu and wait for input.

From: **Simple configuration handling page, under GRUB_TIMEOUT_STYLE**.

Type: one of “menu”, “countdown”, “hidden”

Default:

```
"menu"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.useOSProber

If set to true, append entries for other OSs detected by os−prober.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.users

User accounts for GRUB. When specified, the GRUB command line and all boot options except the default are password−protected. All passwords and hashes provided will be stored in /boot/grub/grub.cfg, and will be visible to any local user who can read this file. Additionally, any passwords and hashes provided directly in a Nix configuration (as opposed to external files) will be copied into the Nix store, and will be visible to all local users.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  root = {
    hashedPasswordFile = "/path/to/file";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.users.<name>.hashedPassword

Specifies the password hash for the account, generated with grub−mkpasswd−pbkdf2. This hash will be copied to the Nix store, and will be visible to all local users.

Type: null or string

Default:

```
null
```

Example:

```
"grub.pbkdf2.sha512.10000.674DFFDEF76E13EA...2CC972B102CF4355"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.users.<name>.hashedPasswordFile

Specifies the path to a file containing the password hash for the account, generated with grub−mk-passwd−pbkdf2. This hash will be stored in /boot/grub/grub.cfg, and will be visible to any local user who can read this file.

Type: null or string

Default:

```
null
```

Example:

```
"/path/to/file"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.users.<name>.password

Specifies the clear text password for the account. This password will be copied to the Nix store, and will be visible to all local users.

Type: null or string

Default:

```
null
```

Example:

```
"Pa$$w0rd!"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.users.<name>.passwordFile

Specifies the path to a file containing the clear text password for the account. This password will be stored in /boot/grub/grub.cfg, and will be visible to any local user who can read this file.

Type: null or string

Default:

```
null
```

Example:

```
"/path/to/file"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.grub.zfsSupport

Whether GRUB should be built against libzfs.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/grub/grub.nix>

boot.loader.initScript.enable

Some systems require a /sbin/init script which is started. Or having it makes starting NixOS easier. This applies to some kind of hosting services and user mode linux.

Additionally this script will create /boot/init−other−configurations−contents.txt containing contents of remaining configurations. You can copy paste them into /sbin/init manually running a rescue system or such.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/init−script/init−script.nix>

boot.loader.limine.enable

Whether to enable the Limine Bootloader.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/limine/limine.nix>

boot.loader.limine.enableEditor

Whether to allow editing the boot entries before booting them. It is recommended to set this to false, as it allows gaining root access by passing ‘init=/bin/sh’ as a kernel parameter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/limine/limine.nix>

boot.loader.limine.package

The limine package to use.

Type: package

Default:

```
pkgs.limine
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/limine/limine.nix>

boot.loader.limine.additionalFiles

A set of files to be copied to */boot*. Each attribute name denotes the destination file name in */boot*, while the corresponding attribute value specifies the source file.

Type: attribute set of absolute path

Default:

```
{ }
```

Example:

```
{ "efi/memtest86/memtest86.efi" = "${pkgs.memtest86-efi}/BOOTX64.e \
fi"; }
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/limine/limine.nix>

boot.loader.limine.biosDevice
Device to install the BIOS version of limine on.

Type: string

Default:

```
"nodev"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/limine/limine.nix>

boot.loader.limine.biosSupport
Whether or not to install limine for BIOS.

Type: boolean

Default:

```
!config.boot.loader.limine.efiSupport && pkgs.stdenv.hostPlatform.i \
sx86
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/limine/limine.nix>

boot.loader.limine.efiInstallAsRemovable
Whether or not to install the limine EFI files as removable.

See **boot.loader.grub.efiInstallAsRemovable**

Type: boolean

Default:

```
!config.boot.loader.efi.canTouchEfiVariables
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/limine/limine.nix>

boot.loader.limine.efiSupport
Whether or not to install the limine EFI files.

Type: boolean

Default:

```
pkgs.stdenv.hostPlatform.isEfi
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/limine/limine.nix>

boot.loader.limine.enrollConfig
Whether or not to enroll the config. Only works on EFI!

Type: boolean

Default:

```
boot.loader.limine.panicOnChecksumMismatch
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/limine/limine.nix>

boot.loader.limine.extraConfig
A string which is prepended to limine.conf. The config format can be found **here**.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
serial: yes
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/limine/limine.nix>

boot.loader.limine.extraEntries
A string which is appended to the end of limine.conf. The config format can be found **here**.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
/memtest86
  protocol: chainload
  path: boot():///efi/memtest86/memtest86.efi
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/limine/limine.nix>

boot.loader.limine.force
Force installation even if the safety checks fail, use absolutely only if necessary!

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/limine/limine.nix>

boot.loader.limine.maxGenerations

Maximum number of latest generations in the boot menu. Useful to prevent boot partition of running out of disk space. ‘null’ means no limit i.e. all generations that were not garbage collected yet.

Type: null or signed integer

Default:

```
null
```

Example:

```
50
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/limine/limine.nix>

boot.loader.limine.panicOnChecksumMismatch

Whether or not checksum validation failure should be a fatal error at boot time.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/limine/limine.nix>

boot.loader.limine.partitionIndex

The 1−based index of the dedicated partition for limine’s second stage.

Type: null or signed integer

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/limine/limine.nix>

boot.loader.limine.resolution

The framebuffer resolution to set when booting Linux entries. This controls the GOP mode that Limine sets before handing off to the kernel, which affects early boot graphics (e.g., simpledrm, efifb).

Format: ‘<width>x<height>’ or ‘<width>x<height>x<bpp>’. If bpp is omitted, defaults to 32.

Note: Refresh rate is not supported because the UEFI GOP protocol only defines framebuffer dimensions and pixel format, not display timing. Refresh rate is determined later by the GPU driver based on EDID.

This is distinct from **boot.loader.limine.style.interface.resolution** which only affects the Limine bootloader’s own menu interface.

Type: null or string

Default:

```
null
```

Example:

```
"1920x1080x32"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/limine/limine.nix>

boot.loader.limine.secureBoot.enable
Whether to use sign the limine binary with sbctl.

Note
This requires you to already have generated the keys and enrolled them with **sbctl**.

To create keys use **sbctl create−keys**.

To enroll them first reset secure boot to “Setup Mode”. This is device specific. Then enroll them using **sbctl enroll−keys −m −f**.

You can now rebuild your system with this option enabled.

Afterwards turn setup mode off and enable secure boot.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/limine/limine.nix>

boot.loader.limine.secureBoot.autoEnrollKeys.enable
Enroll automatically generated keys

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/limine/limine.nix>

boot.loader.limine.secureBoot.autoEnrollKeys.extraArgs
Extra arguments passed to sbctl

Type: list of string

Default:

```
[
  "--microsoft"
  "--firmware-builtin"
]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/limine/limine.nix>

boot.loader.limine.secureBoot.autoGenerateKeys
Generate keys automatically when none exists during bootloader installation

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/limine/limine.nix>

boot.loader.limine.secureBoot.sbctl
The sbctl package to use.

Type: package

Default:

```
pkgs.sbctl
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/limine/limine.nix>

boot.loader.limine.style.backdrop
Color to fill the rest of the screen with when wallpaper_style is centered in RRGGBB format.

Type: null or string

Default:

```
null
```

Example:

```
"7EBAE4"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/limine/limine.nix>

boot.loader.limine.style.graphicalTerminal.background
Text background color (TTRRGGBB). TT is transparency.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/limine/limine.nix>

boot.loader.limine.style.graphicalTerminal.brightBackground
Text background bright color (RRGGBB).

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/limine/limine.nix>

boot.loader.limine.style.graphicalTerminal.brightForeground
Text foreground bright color (RRGGBB).

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/limine/limine.nix>

boot.loader.limine.style.graphicalTerminal.brightPalette
A ; seperated array of 8 colors in the format RRGGBB: dark gray, bright red, bright green, yellow, bright blue, bright magenta, bright cyan, and white.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/limine/limine.nix>

boot.loader.limine.style.graphicalTerminal.font.scale
The scale of the font in the format <width>x<height>.

Type: null or string

Default:

```
null
```

Example:

```
2x2
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/limine/limine.nix>

boot.loader.limine.style.graphicalTerminal.font.spacing
The horizontal spacing between characters in pixels.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/limine/limine.nix>

boot.loader.limine.style.graphicalTerminal.foreground
Text foreground color (RRGGBB).

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/limine/limine.nix>

boot.loader.limine.style.graphicalTerminal.margin
The amount of margin around the terminal.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/limine/limine.nix>

boot.loader.limine.style.graphicalTerminal.marginGradient
The thickness in pixels for the margin around the terminal.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/limine/limine.nix>

boot.loader.limine.style.graphicalTerminal.palette
A ; seperated array of 8 colors in the format RRGGBB: black, red, green, brown, blue, magenta, cyan, and gray.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/limine/limine.nix>

boot.loader.limine.style.interface.branding
The title at the top of the screen.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/limine/limine.nix>

boot.loader.limine.style.interface.brandingColor
Color of the title at the top of the screen in RRGGBB format (Limine defaults to #00AAAA (cyan)).

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/limine/limine.nix>

boot.loader.limine.style.interface.helpColor
Color of the help text displayed beside keybinds in RRGGBB format (Limine defaults to #00AA00 (dark green)).

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/limine/limine.nix>

boot.loader.limine.style.interface.helpColorBright
Color of the bright help text used for the auto−boot countdown digit in RRGGBB format (Limine defaults to #55FF55 (bright green)).

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/limine/limine.nix>

boot.loader.limine.style.interface.helpHidden
Whether or not to hide the keybinds at the top of the screen.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/limine/limine.nix>

boot.loader.limine.style.interface.resolution
The resolution of the interface.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/limine/limine.nix>

boot.loader.limine.style.wallpaperStyle
How the wallpaper should be fit to the screen.

Type: one of “centered”, “stretched”, “tiled”

Default:

```
"stretched"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/limine/limine.nix>

boot.loader.limine.style.wallpapers
A list of wallpapers. If more than one is specified, a random one will be selected at boot.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[ pkgs.nixos-artwork.wallpapers.simple-dark-gray-bootloader.gno \
meFilePath ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/limine/limine.nix>

boot.loader.limine.validateChecksums
Whether to validate file checksums before booting.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/limine/limine.nix>

boot.loader.refind.enable
Whether to enable the rEFInd boot loader.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/refind/refind.nix>

boot.loader.refind.package
The refind package to use.

Type: package

Default:

```
pkgs.refind
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/refind/refind.nix>

boot.loader.refind.additionalFiles
A set of files to be copied to */boot*. Each attribute name denotes the destination file name in */boot*, while the corresponding attribute value specifies the source file.

Type: attribute set of absolute path

Default:

```
{ }
```

Example:

```
{ "efi/memtest86/memtest86.efi" = "${pkgs.memtest86-efi}/BOOTX64.e \
fi"; }
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/refind/refind.nix>

boot.loader.refind.efiInstallAsRemovable
Whether or not to install the rEFInd EFI files as removable.

See **boot.loader.grub.efiInstallAsRemovable**

Type: boolean

Default:

```
!config.boot.loader.efi.canTouchEfiVariables
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/refind/refind.nix>

boot.loader.refind.extraConfig
A string which is prepended to refind.conf.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/refind/refind.nix>

boot.loader.refind.maxGenerations
Maximum number of latest generations in the boot menu. Useful to prevent boot partition of running out of disk space. 'null' means no limit i.e. all generations that were not garbage collected yet.

Type: null or signed integer

Default:

```
null
```

Example:

```
50
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/refind/refind.nix>

boot.loader.systemd−boot.enable
Whether to enable the systemd−boot (formerly gummiboot) EFI boot manager. For more information about systemd−boot: **https://www.freedesktop.org/wiki/Software/systemd/systemd−boot/**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/systemd−boot/systemd−boot.nix>

boot.loader.systemd−boot.configurationLimit
Maximum number of latest generations in the boot menu. Useful to prevent boot partition running out of disk space.

'null' means no limit i.e. all generations that have not been garbage collected yet.

Type: null or signed integer

Default:

```
null
```

Example:

```
120
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/systemd−boot/systemd−boot.nix>

boot.loader.systemd−boot.consoleMode

The resolution of the console. The following values are valid:

- ‘"0"’: Standard UEFI 80x25 mode
- ‘"1"’: 80x50 mode, not supported by all devices
- ‘"2"’: The first non−standard mode provided by the device firmware, if any
- ‘"5"’: Applicable for SteamDeck where this mode represent horizontal mode
- ‘"auto"’: Pick a suitable mode automatically using heuristics
- ‘"max"’: Pick the highest−numbered available mode
- ‘"keep"’: Keep the mode selected by firmware (the default)

Type: one of “0”, “1”, “2”, “5”, “auto”, “max”, “keep”

Default:

```
"keep"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/systemd−boot/systemd−boot.nix>

boot.loader.systemd−boot.editor

Whether to allow editing the kernel command−line before boot. It is recommended to set this to false, as it allows gaining root access by passing init=/bin/sh as a kernel parameter. However, it is enabled by default for backwards compatibility.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/systemd−boot/systemd−boot.nix>

boot.loader.systemd−boot.edk2−uefi−shell.enable

Make the EDK2 UEFI Shell available from the systemd−boot menu. It can be used to manually boot other operating systems or for debugging.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/systemd−boot/systemd−boot.nix>

boot.loader.systemd−boot.edk2−uefi−shell.sortKey

‘systemd−boot’ orders the menu entries by their sort keys, so if you want something to appear after all the NixOS entries, it should start with *o* or onwards.

See also **boot.loader.systemd−boot.sortKey**…

Type: string

Default:

```
"o_edk2−uefi−shell"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/systemd−boot/systemd−boot.nix>

boot.loader.systemd−boot.extraEntries

Any additional entries you want added to the ‘systemd−boot’ menu. These entries will be copied to *$BOOT/loader/entries*. Each attribute name denotes the destination file name, and the corresponding attribute value is the contents of the entry.

To control the ordering of the entry in the boot menu, use the sort−key field, see **https://uapi−group.org/specifications/specs/boot_loader_specification/#sorting** and **boot.loader.systemd−boot.sortKey**.

Type: attribute set of strings concatenated with “\n”

Default:

```
{ }
```

Example:

```
{ "memtest86.conf" = ''
  title Memtest86+
  efi /efi/memtest86/memtest.efi
  sort−key z_memtest
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/systemd−boot/systemd−boot.nix>

boot.loader.systemd−boot.extraFiles

A set of files to be copied to *$BOOT*. Each attribute name denotes the destination file name in *$BOOT*, while the corresponding attribute value specifies the source file.

Type: attribute set of absolute path

Default:

```
{ }
```

Example:

```
{ "efi/memtest86/memtest.efi" = pkgs.memtest86plus.efi; }
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/systemd−boot/systemd−boot.nix>

boot.loader.systemd−boot.extraInstallCommands

Additional shell commands inserted in the bootloader installer script after generating menu entries. It can be used to expand on extra boot entries that cannot incorporate certain pieces of information (such as the resulting ‘init=’ kernel parameter).

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
  default_cfg=$(cat /boot/loader/loader.conf | grep default | awk ' \
{print $2}')
  init_value=$(cat /boot/loader/entries/$default_cfg | grep init= | \
 awk '{print $2}')
  sed −i "s|@INIT@|$init_value|g" /boot/custom/config_with_placeho \
lder.conf
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/systemd−boot/systemd−boot.nix>

boot.loader.systemd−boot.graceful

Invoke ‘bootctl install’ with the ‘−−graceful’ option, which ignores errors when EFI variables cannot be written or when the EFI System Partition cannot be found. Currently only applies to random seed operations.

Only enable this option if ‘systemd−boot’ otherwise fails to install, as the scope or implication of the ‘−−graceful’ option may change in the future.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/systemd−boot/systemd−boot.nix>

boot.loader.systemd−boot.installDeviceTree

Install the devicetree blob specified by ‘config.hardware.deviceTree.name’ to the ESP and instruct systemd−boot to pass this DTB to linux.

Type: unspecified value

Default:

```
"with config.hardware.deviceTree; enable && name != null"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/systemd−boot/systemd−boot.nix>

boot.loader.systemd−boot.memtest86.enable

Make Memtest86+ available from the systemd−boot menu. Memtest86+ is a program for testing memory.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/systemd−boot/systemd−boot.nix>

boot.loader.systemd−boot.memtest86.sortKey

‘systemd−boot’ orders the menu entries by their sort keys, so if you want something to appear after all the NixOS entries, it should start with *o* or onwards.

See also **boot.loader.systemd−boot.sortKey**.

Type: string

Default:

```
"o_memtest86"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/systemd−boot/systemd−boot.nix>

boot.loader.systemd−boot.netbootxyz.enable

Make ‘netboot.xyz’ available from the ‘systemd−boot’ menu. ‘netboot.xyz’ is a menu system that allows you to boot OS installers and utilities over the network.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/systemd−boot/systemd−boot.nix>

boot.loader.systemd−boot.netbootxyz.sortKey
'systemd−boot' orders the menu entries by their sort keys, so if you want something to appear after all the NixOS entries, it should start with *o* or onwards.

See also **boot.loader.systemd−boot.sortKey**.

Type: string

Default:

```
"o_netbootxyz"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/systemd−boot/systemd−boot.nix>

boot.loader.systemd−boot.rebootForBitlocker
Enable *EXPERIMENTAL* BitLocker support.

Try to detect BitLocker encrypted drives along with an active TPM. If both are found and Windows Boot Manager is selected in the boot menu, set the "BootNext" EFI variable and restart the system. The firmware will then start Windows Boot Manager directly, leaving the TPM PCRs in expected states so that Windows can unseal the encryption key.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/systemd−boot/systemd−boot.nix>

boot.loader.systemd−boot.sortKey
The sort key used for the NixOS bootloader entries. This key determines sorting relative to non−NixOS entries. See also **https://uapi−group.org/specifications/specs/boot_loader_specification/#sorting**

This option can also be used to control the sorting of NixOS specialisations.

By default, specialisations inherit the sort key of their parent generation and will have the same value for both the sort−key and the version (i.e. the generation number), systemd−boot will therefore sort them based on their file name, meaning that in your boot menu you will have each main generation directly followed by its specialisations sorted alphabetically by their names.

If you want a different ordering for a specialisation, you can override its sort−key which will cause the specialisation to be uncoupled from its parent generation. It will then be sorted by its new sort−key just like any other boot entry.

The sort−key is stored in the generation's bootspec, which means that generations keep their sort−keys even if the original definition of the generation was removed from the NixOS configuration. It also means that updating the sort−key will only affect new generations, while old ones will keep the sort−key that they were originally built with.

Type: string

Default:

```
"nixos"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/loader/systemd−boot/systemd−boot.nix>

boot.loader.systemd−boot.windows

Make Windows bootable from systemd−boot. This option is not necessary when Windows and NixOS use the same EFI System Partition (ESP). In that case, Windows will automatically be detected by systemd−boot.

However, if Windows is installed on a separate drive or ESP, you can use this option to add a menu entry for each installation manually.

The attribute name is used for the title of the menu entry and internal file names.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "10".efiDeviceHandle = "HD0c3";
  "11−ame" = {
    title = "Windows 11 Ameliorated Edition";
    efiDeviceHandle = "HD0b1";
  };
  "11−home" = {
    title = "Windows 11 Home";
    efiDeviceHandle = "FS1";
    sortKey = "z_windows";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/systemd−boot/systemd−boot.nix>

boot.loader.systemd−boot.windows.<name>.efiDeviceHandle

The device handle of the EFI System Partition (ESP) where the Windows bootloader is located. This is the device handle that the EDK2 UEFI Shell uses to load the bootloader.

To find this handle, follow these steps:

1. Set **boot.loader.systemd−boot.edk2−uefi−shell.enable** to ‘true’
2. Run ‘nixos−rebuild boot’
3. Reboot and select “EDK2 UEFI Shell” from the systemd−boot menu
4. Run ‘map −c’ to list all consistent device handles
5. For each device handle (for example, ‘HD0c1’), run ‘ls HD0c1:\EFI’
6. If the output contains the directory ‘Microsoft’, you might have found the correct device handle
7. Run ‘HD0c1:\EFI\Microsoft\Boot\Bootmgfw.efi’ to check if Windows boots correctly
8. If it does, this device handle is the one you need (in this example, ‘HD0c1’)

This option is required, there is no useful default.

Type: string

Example:

```
"HD1b3"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/systemd−boot/systemd−boot.nix>

boot.loader.systemd−boot.windows.<name>.sortKey

‘systemd−boot’ orders the menu entries by their sort keys, so if you want something to appear after all the NixOS entries, it should start with *o* or onwards.

See also **boot.loader.systemd−boot.sortKey**…

Type: string

Default:

```
"attribute name of this entry, prefixed with \"o_windows_\""
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/systemd−boot/systemd−boot.nix>

boot.loader.systemd−boot.windows.<name>.title

The title of the boot menu entry.

Type: string

Default:

```
"attribute name of this entry, prefixed with \"Windows \""
```

Example:

```
"Michaelsoft Binbows"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/systemd−boot/systemd−boot.nix>

boot.loader.systemd−boot.xbootldrMountPoint

Where the XBOOTLDR partition is mounted.

If set, this partition will be used as $BOOT to store boot loader entries and extra files instead of the EFI partition. As per the bootloader specification, it is recommended that the EFI and XBOOTLDR partitions be mounted at ‘/efi’ and ‘/boot’, respectively.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/systemd−boot/systemd−boot.nix>

boot.loader.timeout

Timeout (in seconds) until loader boots the default menu item. Use null if the loader menu should be displayed indefinitely.

Type: null or signed integer

Default:

```
5
```

Declared by:

<nixpkgs/nixos/modules/system/boot/loader/loader.nix>

boot.modprobeConfig.enable

Whether to enable modprobe config. This is useful for systems like containers which do not require a kernel.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/modprobe.nix>

boot.modprobeConfig.useUbuntuModuleBlacklist
Whether to enable Ubuntu distro's module blacklist.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/modprobe.nix>

boot.nixStoreMountOpts
Defines the mount options used on a bind mount for the */nix/store*. This affects the whole system except the nix store daemon, which will undo the bind mount.

'ro' enforces immutability of the Nix store. The store daemon should already not put device mappers or suid binaries in the store, meaning 'nosuid' and 'nodev' enforce what should already be the case.

Type: list of non−empty string

Default:

```
[
  "ro"
  "nodev"
  "nosuid"
]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/stage−2.nix>

boot.plymouth.enable
Whether to enable Plymouth boot splash screen.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/plymouth.nix>

boot.plymouth.package
The plymouth package to use.

Type: package

Default:

```
pkgs.plymouth.override {
  systemd = config.boot.initrd.systemd.package;
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/plymouth.nix>

boot.plymouth.extraConfig
Literal string to append to ‘configFile’ and the config file generated by the plymouth module.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/system/boot/plymouth.nix>

boot.plymouth.font
Font file made available for displaying text on the splash screen.

Type: absolute path

Default:

```
"${pkgs.dejavu_fonts.minimal}/share/fonts/truetype/DejaVuSans.ttf"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/plymouth.nix>

boot.plymouth.logo
Logo which is displayed on the splash screen. Currently supports PNG file format only.

Type: absolute path

Default:

```
"${pkgs.nixos-icons}/share/icons/hicolor/48x48/apps/nix-snowflake \
-white.png"
```

Example:

```
pkgs.fetchurl {
  url = "https://nixos.org/logo/nixos-hires.png";
  sha256 = "1ivzgd7iz0i06y36p8m5w48fd8pjqwxhdaavc0pxs7w1g7mcy5si";
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/plymouth.nix>

boot.plymouth.theme
Splash screen theme.

Type: string

Default:

```
"bgrt"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/plymouth.nix>

boot.plymouth.themePackages
Extra theme packages for plymouth.

Type: list of package

Default: A NixOS branded variant of the breeze theme when config.boot.plymouth.theme == "breeze", otherwise [ ].

Declared by:
<nixpkgs/nixos/modules/system/boot/plymouth.nix>

boot.plymouth.tpm2−totp.enable
Whether to display a TOTP during boot using tpm2−totp and Plymouth.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/plymouth−tpm2−totp.nix>

boot.plymouth.tpm2−totp.package
The tpm2−totp package to use.

Type: package

Default:

```
pkgs.tpm2−totp−with−plymouth
```

Declared by:
<nixpkgs/nixos/modules/system/boot/plymouth−tpm2−totp.nix>

boot.postBootCommands
Shell commands to be executed just before systemd is started.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
"rm −f /var/log/messages"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/stage−2.nix>

boot.resumeDevice
Device for manual resume attempt during boot. This should be used primarily if you want to resume from file. If left empty, the swap partitions are used. Specify here the device where the file resides. You should also use *boot.kernelParams* to specify ‘«resume_offset»’.

Type: string

Default:

```
""
```

Example:

```
"/dev/sda3"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/stage−1.nix>

boot.runSize

Size limit for the /run tmpfs. Look at **mount**(8), tmpfs size option, for the accepted syntax.

Type: string

Default:

```
"25%"
```

Example:

```
"256m"
```

Declared by:

<nixpkgs/nixos/modules/tasks/filesystems.nix>

boot.specialFileSystems.<name>.enable

Whether to enable the filesystem mount.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/tasks/filesystems.nix>

boot.specialFileSystems.<name>.depends

List of paths that should be mounted before this one. This filesystem's **device** and **mountPoint** are always checked and do not need to be included explicitly. If a path is added to this list, any other filesystem whose mount point is a parent of the path will be mounted before this filesystem. The paths do not need to actually be the **mountPoint** of some other filesystem.

This is useful for mounts which require keys and/or configuration files residing on another filesystem.

Type: list of string (with check: non−empty without trailing slash)

Default:

```
[ ]
```

Example:

```
[
  "/persist"
]
```

Declared by:

<nixpkgs/nixos/modules/tasks/filesystems.nix>

boot.specialFileSystems.<name>.device

The device as passed to 'mount'.

This can be any of:

- a filename of a block special device such as '/dev/sdc3'
- a tag such as 'UUID=fdd68895−c307−4549−8c9c−90e44c71f5b7'
- (for bind mounts only) the source path
- something else depending on the **fsType**. For example, 'nfs' device may look like 'knuth.cwi.nl:/dir'

This is called 'device' in **mount**(8) and 'fs_spec' in **fstab**(5).

Type: null or string (with check: non−empty)

Default:

```
null
```

Example:

```
"/dev/sda"
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems.nix>

boot.specialFileSystems.<name>.fsType
Type of the file system.

This is the ‘fstype’ passed to ‘−t’ in the **mount**(8) command, and is called ‘fs_vfstype’ in **fstab**(5).

Type: string (with check: non−empty)

Example:

```
"ext3"
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems.nix>

boot.specialFileSystems.<name>.mountPoint
Location where the file system will be mounted.

This is called ‘mountpoint’ in **mount**(8) and ‘fs_file’ in **fstab**(5)

Type: string (with check: non−empty without trailing slash)

Default:

```
"‹name›"
```

Example:

```
"/mnt/usb"
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems.nix>

boot.specialFileSystems.<name>.options
Options used to mount the file system.

This is called ‘options’ in **mount**(8) and ‘fs_mntops’ in **fstab**(5)

Some options that can be used for all mounts are documented in **mount**(8) under ‘FILESYSTEM−INDEPENDENT MOUNT OPTIONS’.

Options that systemd understands are documented in **systemd.mount**(5) under ‘FSTAB’.

Each filesystem supports additional options, see the docs for that filesystem.

Type: non−empty (list of string (with check: non−empty))

Default:

```
[
  "defaults"
]
```

Example:

```
[
  "data=journal"
]
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems.nix>

boot.specialFileSystems.<name>.stratis.poolUuid
UUID of the stratis pool that the fs is located in

This is only relevant if you are using **stratis**.

Type: null or string

Default:

```
null
```

Example:

```
"04c68063-90a5-4235-b9dd-6180098a20d9"
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems.nix>

boot.stage2Greeting
The greeting message displayed during NixOS stage 2 boot.

Type: string

Default:

```
"<<< ${config.system.nixos.distroName} Stage 2 >>>"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/stage-2.nix>

boot.supportedFilesystems
Names of supported filesystem types, or an attribute set of file system types and their state. The set form may be used together with 'lib.mkForce' to explicitly disable support for specific filesystems, e.g. to disable ZFS with an unsupported kernel.

Type: (attribute set of boolean) or (list of string) convertible to it

Default:

```
{ }
```

Example:

```
{
  btrfs = true;
  zfs = lib.mkForce false;
}
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems.nix>

boot.swraid.enable
Whether to enable support for Linux MD RAID arrays.

When this is enabled, mdadm will be added to the system path, and MD RAID arrays will be detected and activated automatically, both in stage-1 (initramfs) and in stage-2 (the final NixOS system).

This should be enabled if you want to be able to access and/or boot from MD RAID arrays. **nixos-generate-config** should detect it correctly in the standard installation procedure.

Type: boolean

Default:

```
"'true' if stateVersion is older than 23.11"
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/tasks/swraid.nix>

boot.swraid.mdadmConf
Contents of */etc/mdadm.conf*.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/tasks/swraid.nix>

boot.systemdExecutable
The program to execute to start systemd.

Type: string

Default:

```
"/run/current-system/systemd/lib/systemd/systemd"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/stage-2.nix>

boot.tmp.cleanOnBoot
Whether to delete all files in */tmp* during boot.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/system/boot/tmp.nix>

boot.tmp.tmpfsHugeMemoryPages
- ‘never’ − Do not allocate huge memory pages. This is the default.
- ‘always’ − Attempt to allocate huge memory page every time a new page is needed.
- ‘within_size’ − Only allocate huge memory pages if it will be fully within i_size. Also respect madvise(2) hints. Recommended.
- ‘advise’ − Only allocate huge memory pages if requested with madvise(2).

Type: one of “never”, “always”, “within_size”, “advise”

Default:

```
"never"
```

Example:

```
"within_size"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/tmp.nix>

boot.tmp.tmpfsSize

Size of tmpfs in percentage. Percentage is defined by systemd.

Type: string or (positive integer, meaning >0)

Default:

```
"50%"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/tmp.nix>

boot.tmp.useTmpfs

Whether to mount a tmpfs on */tmp* during boot.

Note

Large Nix builds can fail if the mounted tmpfs is not large enough. In such a case either increase the tmpfsSize or disable this option.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/system/boot/tmp.nix>

boot.tmp.useZram

Whether to mount a zram device on */tmp* during boot.

Note

Large Nix builds can fail if the mounted zram device is not large enough. In such a case either increase the zramSettings.zram−size or disable this option.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/zram−as−tmp.nix>

boot.tmp.zramSettings.compression−algorithm

The compression algorithm to use for the zram device.

See: **https://github.com/systemd/zram−generator/blob/main/zram−generator.conf.example**

Type: string

Default:

```
"zstd"
```

Example:

```
"lzo−rle"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/zram−as−tmp.nix>

boot.tmp.zramSettings.fs−type

The file system to put on the device.

See: **https://github.com/systemd/zram−generator/blob/main/zram−generator.conf.example**

Type: string

Default:

```
"ext4"
```

Example:

```
"ext2"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/zram−as−tmp.nix>

boot.tmp.zramSettings.options

By default, file systems and swap areas are trimmed on−the−go by setting “discard”. Setting this to the empty string clears the option.

See: **https://github.com/systemd/zram−generator/blob/main/zram−generator.conf.example**

Type: string

Default:

```
"X−mount.mode=1777,discard"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/zram−as−tmp.nix>

boot.tmp.zramSettings.zram−size

The size of the zram device, as a function of MemTotal, both in MB. For example, if the machine has 1 GiB, and zram−size=ram/4, then the zram device will have 256 MiB. Fractions in the range 0.1–0.5 are recommended

See: **https://github.com/systemd/zram−generator/blob/main/zram−generator.conf.example**

Type: string

Default:

```
"ram * 0.5"
```

Example:

```
"min(ram / 2, 4096)"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/zram−as−tmp.nix>

boot.uki.configFile

The configuration file passed to **ukify**(1) to create the UKI.

By default this configuration file is created from **boot.uki.settings**.

Type: absolute path

Declared by:

<nixpkgs/nixos/modules/system/boot/uki.nix>

boot.uki.name

Name of the UKI

Type: string

Declared by:
<nixpkgs/nixos/modules/system/boot/uki.nix>

boot.uki.settings
The configuration settings for ukify. These control what the UKI contains and how it is built.

Type: attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/system/boot/uki.nix>

boot.uki.tries
Number of boot attempts before this UKI is considered bad.

If no tries are specified (the default) automatic boot assessment remains inactive.

See documentation on **Automatic Boot Assessment** and **boot counting** for more information.

Type: null or (unsigned integer, meaning >=0)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/system/boot/uki.nix>

boot.uki.version
Version of the image or generation the UKI belongs to

Type: null or string

Default:

```
config.system.image.version
```

Declared by:
<nixpkgs/nixos/modules/system/boot/uki.nix>

boot.uvesafb.enable
Whether to enable uvesafb.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/uvesafb.nix>

boot.uvesafb.gfx-mode
Screen resolution in modedb format. See **uvesafb** and **modedb** documentation for more details. The default value is a sensible default but may be not ideal for all setups.

Type: string

Default:

```
"1024x768-32"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/uvesafb.nix>

boot.uvesafb.v86d.package
Which v86d package to use with uvesafb

Type: package

Default:

```
config.boot.kernelPackages.v86d.overrideAttrs (old: {
          hardeningDisable = [ "all" ];
        })''
```

Declared by:
<nixpkgs/nixos/modules/system/boot/uvesafb.nix>

boot.vesa
(Deprecated) This option, if set, activates the VESA 800x600 video mode on boot and disables kernel modesetting. It is equivalent to specifying '["vga=0x317" "nomodeset"]' in the **boot.kernelParams** option. This option is deprecated as of 2020: Xorg now works better with modesetting, and you might want a different VESA vga setting, anyway.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/system/boot/kernel.nix>

boot.zfs.enabled
True if ZFS filesystem support is enabled

Type: boolean *(read only)*

Default: true if ZFS filesystem support is enabled

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/zfs.nix>

boot.zfs.package
Configured ZFS userland tools package.

Type: package

Default:

```
pkgs.zfs
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/zfs.nix>

boot.zfs.devNodes
Name of directory from which to import ZFS device, this is passed to 'zpool import' as the value of the '−d' option.

For guidance on choosing this value, see **the ZFS documentation**.

Type: absolute path

Default:

```
"/dev/disk/by-id"
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/zfs.nix>

boot.zfs.extraPools
Name or GUID of extra ZFS pools that you wish to import during boot.

Usually this is not necessary. Instead, you should set the mountpoint property of ZFS filesystems to 'legacy' and add the ZFS filesystems to NixOS's **fileSystems** option, which makes NixOS automatically import the associated pool.

However, in some cases (e.g. if you have many filesystems) it may be preferable to exclusively use ZFS commands to manage filesystems. If so, since NixOS/systemd will not be managing those filesystems, you will need to specify the ZFS pool here so that NixOS automatically imports it on every boot.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "tank"
  "data"
]
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/zfs.nix>

boot.zfs.forceImportAll
Forcibly import all ZFS pool(s).

It is highly recommended to keep this option disabled as it bypasses ZFS safeguard that protect your pools.

See **boot.zfs.forceImportRoot** for details.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/zfs.nix>

boot.zfs.forceImportRoot
Forcibly import the ZFS root pool(s) during early boot.

It is highly recommended to keep this option disabled as it bypasses ZFS safeguard that protect your pools.

If NixOS fails to boot because it cannot import the root pool, you should boot with the 'zfs_force=1' option as a kernel parameter (e.g. by manually editing the kernel params via your bootloader). You should only need to do this after unclean shutdowns.

Type: boolean

Default:

```
lib.versionOlder config.system.stateVersion "26.11"
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/zfs.nix>

boot.zfs.passwordTimeout

Timeout in seconds to wait for password entry for decrypt at boot.

Defaults to 0, which waits forever.

Type: signed integer

Default:

Declared by:

<nixpkgs/nixos/modules/tasks/filesystems/zfs.nix>

boot.zfs.pools

Configuration for individual pools to override global defaults.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/tasks/filesystems/zfs.nix>

boot.zfs.pools.<name>.devNodes

Name of directory from which to import ZFS device, this is passed to ‘zpool import’ as the value of the ‘−d’ option.

For guidance on choosing this value, see **the ZFS documentation**.

Type: absolute path

Default:

```
"config.boot.zfs.devNodes"
```

Declared by:

<nixpkgs/nixos/modules/tasks/filesystems/zfs.nix>

boot.zfs.removeLinuxDRM

Patch the kernel to change symbols needed by ZFS from EXPORT_SYMBOL_GPL to EXPORT_SYMBOL.

Currently has no effect, but may again in future if a kernel update breaks ZFS due to symbols being newly changed to GPL.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/tasks/filesystems/zfs.nix>

boot.zfs.requestEncryptionCredentials

If true on import encryption keys or passwords for all encrypted datasets are requested. To only decrypt selected datasets supply a list of dataset names instead. For root pools the encryption key can be supplied via both an interactive prompt (keylocation=prompt) and from a file (keylocation=file://).

Type: boolean or list of string

Default:

```
true
```

Example:

```
[
```

```
  "tank"
  "data"
]
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/zfs.nix>

boot.zfs.unsafeAllowHibernation
Allow hibernation (suspend to disk) support. This is generally considered **UNSAFE**, is not well supported by openzfs, and could lead to corruption and data loss.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/zfs.nix>

boot.zfs.useKeyringForCredentials
Whether to enable Uses the kernel keyring for encryption credentials with keyname=zfs−<poolname>.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/zfs.nix>

boot.zswap.enable
Whether to enable Zswap (Compressed Cache for Swap Pages).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/zswap.nix>

boot.zswap.acceptThresholdPercent
Threshold percentage at which zswap starts accepting pages again after the pool becomes full (1−100).

This parameter provides hysteresis to prevent pool oscillation. When the pool usage drops below this threshold, zswap starts accepting new pages. Default is 90% as recommended by kernel documentation.

Type: integer between 1 and 100 (both inclusive)

Default:

```
90
```

Declared by:
<nixpkgs/nixos/modules/system/boot/zswap.nix>

boot.zswap.compressor

Compression algorithm to use for zswap.

Available options:

- 'zstd': Best compression ratio, excellent for Nix builds (default)
- 'lz4': Fastest compression, lowest latency
- 'lz4hc': High−compression variant of lz4, slower but better ratio
- 'lzo': Good balance of speed and compression (kernel default)
- 'deflate': Higher compression, slower processing
- '842': Hardware−accelerated compression on supported systems

Note: The chosen algorithm must be supported by your kernel configuration.

Type: one of "zstd", "lz4", "lzo", "lz4hc", "deflate", "842"

Default:

```
"zstd"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/zswap.nix>

boot.zswap.maxPoolPercent

The maximum percentage of system memory that Zswap can occupy (1−100).

Higher values provide more compression cache but increase memory pressure. Default is 25% (higher than kernel default of 20%) for better Nix build performance.

Recommended ranges:

- Desktop systems: 15−25%
- Low−memory systems: 30−50%
- Server systems: 10−20%

Type: integer between 1 and 100 (both inclusive)

Default:

```
25
```

Declared by:

<nixpkgs/nixos/modules/system/boot/zswap.nix>

boot.zswap.shrinkerEnabled

Enable the zswap shrinker to reclaim memory when under pressure.

When enabled, the shrinker will automatically reclaim compressed pages from the zswap pool when the system is under memory pressure, helping to prevent out−of−memory situations.

It is recommended to keep this enabled for most workloads, especially on systems with limited memory.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/zswap.nix>

boot.zswap.zpool

Kernel zpool allocator. 'zsmalloc' is strongly recommended for kernels >= 6.3 as it offers the best density. For older kernels, 'zbud' is the fallback.

Note: 'z3fold' was removed from Linux kernel 6.8 and later.

Type: one of "zsmalloc", "zbud"

Default:

```
if kernel >= 6.3 then "zsmalloc" else "zbud"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/zswap.nix>

console.enable

Whether to enable virtual console.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/config/console.nix>

console.packages

List of additional packages that provide console fonts, keymaps and other resources for virtual consoles use.

Type: list of package

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/config/console.nix>

console.colors

The 16 colors palette used by the virtual consoles. Leave empty to use the default colors. Colors must be in hexadecimal format and listed in order from color 0 to color 15.

Type: list of string matching the pattern [[:xdigit:]]{6}

Default:

```
[ ]
```

Example:

```
[
  "002b36"
  "dc322f"
  "859900"
  "b58900"
  "268bd2"
  "d33682"
  "2aa198"
  "eee8d5"
  "002b36"
  "cb4b16"
  "586e75"
  "657b83"
  "839496"
  "6c71c4"
  "93a1a1"
  "fdf6e3"
```

```
]
```

Declared by:
<nixpkgs/nixos/modules/config/console.nix>

console.earlySetup
Enable setting virtual console options as early as possible (in initrd).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/config/console.nix>

console.font
The font used for the virtual consoles. Can be ‘null’, a font name, or a path to a PSF font file.

Use ‘null’ to let the kernel choose a built−in font. The default is 8x16, and, as of Linux 5.3, Terminus 32 bold for display resolutions of 2560x1080 and higher. These fonts cover the **IBM437** character set.

Type: null or string or absolute path

Default:

```
null
```

Example:

```
"LatArCyrHeb−16"
```

Declared by:
<nixpkgs/nixos/modules/config/console.nix>

console.keyMap
The keyboard mapping table for the virtual consoles.

Type: string or absolute path

Default:

```
"us"
```

Example:

```
"fr"
```

Declared by:
<nixpkgs/nixos/modules/config/console.nix>

console.useXkbConfig
If set, configure the virtual console keymap from the xserver keyboard settings.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/config/console.nix>

containers

A set of NixOS system configurations to be run as lightweight containers. Each container appears as a service ‘container−«name»’ on the host system, allowing it to be started and stopped via **systemctl**.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{ webserver =
    { path = "/nix/var/nix/profiles/webserver";
    };
  database =
    { config =
        { config, pkgs, ... }:
        { services.postgresql.enable = true;
          services.postgresql.package = pkgs.postgresql_14;
          system.stateVersion = "26.05";
        };
    };
}
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

containers.<name>.enableTun

Allows the container to create and setup tunnel interfaces by granting the ‘NET_ADMIN’ capability and enabling access to ‘/dev/net/tun’.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

containers.<name>.additionalCapabilities

Grant additional capabilities to the container. See the **capabilities**(7) and **systemd−nspawn**(1) man pages for more information.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "CAP_NET_ADMIN"
  "CAP_MKNOD"
]
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

containers.<name>.allowedDevices

A list of device nodes to which the containers has access to.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    modifier = "rwm";
    node = "/dev/net/tun";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

containers.<name>.allowedDevices.*.modifier

Device node access modifier. Takes a combination ‘r’ (read), ‘w’ (write), and ‘m’ (mknod). See the **systemd.resource−control**(5) man page for more information.

Type: string

Example:

```
"rw"
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

containers.<name>.allowedDevices.*.node

Path to device node

Type: string

Example:

```
"/dev/net/tun"
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

containers.<name>.autoStart

Whether the container is automatically started at boot−time.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

containers.<name>.bindMounts

An extra list of directories that is bound to the container.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{ "/home" = { hostPath = "/home/alice";
              isReadOnly = false; };
}
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

containers.<name>.bindMounts.<name>.hostPath
Location of the host path to be mounted.

Type: null or string

Default:

```
null
```

Example:

```
"/home/alice"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

containers.<name>.bindMounts.<name>.isReadOnly
Determine whether the mounted path will be accessed in read−only mode.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

containers.<name>.bindMounts.<name>.mountPoint
Mount point on the container file system.

Type: string

Example:

```
"/mnt/usb"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

containers.<name>.config
A specification of the desired configuration of this container, as a NixOS module.

Type: Toplevel NixOS config

Declared by:
<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

containers.<name>.ephemeral
Runs container in ephemeral mode with the empty root filesystem at boot. This way container will be bootstrapped from scratch on each boot and will be cleaned up on shutdown leaving no traces behind. Useful for completely stateless, reproducible containers.

Note that this option might require to do some adjustments to the container configuration, e.g. you might want to set *systemd.network.networks.$interface.dhcpV4Config.ClientIdentifier* to “mac” if you use *macvlans* option. This way dhcp client identifier will be stable between the container restarts.

Note that the container journal will not be linked to the host if this option is enabled.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

containers.<name>.extraFlags

Extra flags passed to the systemd−nspawn command. See **systemd−nspawn**(1) for details.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "−−drop−capability=CAP_SYS_CHROOT"
]
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

containers.<name>.extraVeths

Extra veth−pairs to be created for the container.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

containers.<name>.extraVeths.<name>.forwardPorts

List of forwarded ports from host to container. Each forwarded port is specified by protocol, hostPort and containerPort. By default, protocol is tcp and hostPort and containerPort are assumed to be the same if containerPort is not explicitly given.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    containerPort = 80;
    hostPort = 8080;
    protocol = "tcp";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

containers.<name>.extraVeths.<name>.forwardPorts.*.containerPort

Target port of container

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

containers.<name>.extraVeths.<name>.forwardPorts.*.hostPort
Source port of the external interface on host

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Declared by:
<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

containers.<name>.extraVeths.<name>.forwardPorts.*.protocol
The protocol specifier for port forwarding between host and container

Type: string

Default:

```
"tcp"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

containers.<name>.extraVeths.<name>.hostAddress
The IPv4 address assigned to the host interface. (Not used when hostBridge is set.)

Type: null or string

Default:

```
null
```

Example:

```
"10.231.136.1"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

containers.<name>.extraVeths.<name>.hostAddress6
The IPv6 address assigned to the host interface. (Not used when hostBridge is set.)

Type: null or string

Default:

```
null
```

Example:

```
"fc00::1"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

containers.<name>.extraVeths.<name>.hostBridge
Put the host−side of the veth−pair into the named bridge. Only one of hostAddress* or hostBridge can be given.

Type: null or string

Default:

```
null
```

Example:

```
"br0"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

containers.<name>.extraVeths.<name>.localAddress
The IPv4 address assigned to the interface in the container. If a hostBridge is used, this should be given with netmask to access the whole network. Otherwise the default netmask is /32 and routing is set up from localAddress to hostAddress and back.

Type: null or string

Default:

```
null
```

Example:

```
"10.231.136.2"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

containers.<name>.extraVeths.<name>.localAddress6
The IPv6 address assigned to the interface in the container. If a hostBridge is used, this should be given with netmask to access the whole network. Otherwise the default netmask is /128 and routing is set up from localAddress6 to hostAddress6 and back.

Type: null or string

Default:

```
null
```

Example:

```
"fc00::2"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

containers.<name>.extraVeths.<name>.localMacAddress
The MAC address assigned to the interface in the container. This address is assigned early during container boot, and can thus be reliably used for setups like IPv6 SLAAC with router advertisements. If this option is not specified, the veth devices gets assigned a random, locally−administered unicast MAC address.

Type: null or string matching the pattern ([0−9a−fA−F]{2}:){5}[0−9a−fA−F]{2}

Default:

```
null
```

Example:

```
"de:b7:73:01:10:90"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

containers.<name>.flake
The Flake URI of the NixOS configuration to use for the container. Replaces the option **containers.<name>.path**.

Type: null or string

Default:

```
null
```

Example:

```
"github:NixOS/nixpkgs/master"
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/nixos-containers.nix>

containers.<name>.forwardPorts

List of forwarded ports from host to container. Each forwarded port is specified by protocol, hostPort and containerPort. By default, protocol is tcp and hostPort and containerPort are assumed to be the same if containerPort is not explicitly given.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    containerPort = 80;
    hostPort = 8080;
    protocol = "tcp";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/nixos-containers.nix>

containers.<name>.forwardPorts.*.containerPort

Target port of container

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/nixos-containers.nix>

containers.<name>.forwardPorts.*.hostPort

Source port of the external interface on host

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Declared by:

<nixpkgs/nixos/modules/virtualisation/nixos-containers.nix>

containers.<name>.forwardPorts.*.protocol

The protocol specifier for port forwarding between host and container

Type: string

Default:

```
"tcp"
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/nixos-containers.nix>

containers.<name>.hostAddress

The IPv4 address assigned to the host interface. (Not used when hostBridge is set.)

Type: null or string

Default:

```
null
```

Example:

```
"10.231.136.1"
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

containers.<name>.hostAddress6

The IPv6 address assigned to the host interface. (Not used when hostBridge is set.)

Type: null or string

Default:

```
null
```

Example:

```
"fc00::1"
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

containers.<name>.hostBridge

Put the host−side of the veth−pair into the named bridge. Only one of hostAddress* or hostBridge can be given.

Type: null or string

Default:

```
null
```

Example:

```
"br0"
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

containers.<name>.interfaces

The list of interfaces to be moved into the container.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "eth1"
  "eth2"
]
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

containers.<name>.localAddress

The IPv4 address assigned to the interface in the container. If a hostBridge is used, this should be given with netmask to access the whole network. Otherwise the default netmask is /32 and routing is set up from localAddress to hostAddress and back.

Type: null or string

Default:

```
null
```

Example:

```
"10.231.136.2"
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

containers.<name>.localAddress6

The IPv6 address assigned to the interface in the container. If a hostBridge is used, this should be given with netmask to access the whole network. Otherwise the default netmask is /128 and routing is set up from localAddress6 to hostAddress6 and back.

Type: null or string

Default:

```
null
```

Example:

```
"fc00::2"
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

containers.<name>.localMacAddress

The MAC address assigned to the interface in the container. This address is assigned early during container boot, and can thus be reliably used for setups like IPv6 SLAAC with router advertisements. If this option is not specified, the veth devices gets assigned a random, locally−administered unicast MAC address.

Type: null or string matching the pattern ([0−9a−fA−F]{2}:){5}[0−9a−fA−F]{2}

Default:

```
null
```

Example:

```
"de:b7:73:01:10:90"
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

containers.<name>.macvlans

The list of host interfaces from which macvlans will be created. For each interface specified, a macvlan interface will be created and moved to the container.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "eth1"
```

```
  "eth2"
]
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

containers.<name>.networkNamespace
Takes the path to a file representing a kernel network namespace that the container shall run in. The specified path should refer to a (possibly bind−mounted) network namespace file, as exposed by the kernel below /proc/<PID>/ns/net. This makes the container enter the given network namespace. One of the typical use cases is to give a network namespace under /run/netns created by **ip−netns**(8). Note that this option cannot be used together with other network−related options, such as −−private−network or −−network−interface=.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

containers.<name>.nixpkgs
A path to the nixpkgs that provide the modules, pkgs and lib for evaluating the container.

To only change the ‘pkgs’ argument used inside the container modules, set the ‘nixpkgs.*’ options in the container **config**. Setting ‘config.nixpkgs.pkgs = pkgs’ speeds up the container evaluation by reusing the system pkgs, but the ‘nixpkgs.config’ option in the container config is ignored in this case.

Type: absolute path

Default:

```
pkgs.path
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

containers.<name>.path
As an alternative to specifying **config**, you can specify the path to the evaluated NixOS system configuration, typically a symlink to a system profile.

Type: absolute path

Example:

```
"/nix/var/nix/profiles/per−container/webserver"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

containers.<name>.privateNetwork
Whether to give the container its own private virtual Ethernet interface. The interface is called ‘eth0’, and is hooked up to the interface ‘ve−«container−name»’ on the host. If this option is not set, then the container shares the network interfaces of the host, and can bind to any port on any interface.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

containers.<name>.privateUsers
Whether to give the container its own private UIDs/GIDs space (user namespacing). Disabled by default (‘no’).

If set to a number (usually above host’s UID/GID range: 65536), user namespacing is enabled and the container UID/GIDs will start at that number.

If set to ‘identity’, mostly equivalent to ‘0’, this will only provide process capability isolation (no UID/GID isolation, as they are the same as host).

If set to ‘pick’, user namespacing is enabled and the UID/GID range is automatically chosen, so that no overlapping UID/GID ranges are assigned to multiple containers. This is the recommanded option as it enhances container security massively and operates fully automatically in most cases.

See **https://www.freedesktop.org/software/systemd/man/latest/systemd−nspawn.html#−−private−users=** for details.

Type: 32 bit unsigned integer; between 0 and 4294967295 (both inclusive) or one of “no”, “identity”, “pick”

Default:

```
"no"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

containers.<name>.restartIfChanged
Whether the container should be restarted during a NixOS configuration switch if its definition has changed.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

containers.<name>.specialArgs
A set of special arguments to be passed to NixOS modules. This will be merged into the ‘specialArgs’ used to evaluate the NixOS configurations.

Type: attribute set of unspecified value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

containers.<name>.timeoutStartSec
Time for the container to start. In case of a timeout, the container processes get killed. See **systemd.time**(7) for more information about the format.

Type: string

Default:

```
"1min"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

containers.<name>.tmpfs
Mounts a set of tmpfs file systems into the container. Multiple paths can be specified. Valid items must conform to the −−tmpfs argument of systemd−nspawn. See **systemd−nspawn**(1) for details.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "/var"
]
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/nixos−containers.nix>

documentation.enable
Whether to install documentation of packages from **environment.systemPackages** into the generated system path.

See “Multiple−output packages” chapter in the nixpkgs manual for more info.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/misc/documentation.nix>

documentation.dev.enable
Whether to install documentation targeted at developers.

- This includes man pages targeted at developers if **documentation.man.enable** is set (this also includes “devman” outputs).
- This includes info pages targeted at developers if **documentation.info.enable** is set (this also includes “devinfo” outputs).
- This includes other pages targeted at developers if **documentation.doc.enable** is set (this also includes “devdoc” outputs).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/misc/documentation.nix>

documentation.doc.enable
Whether to install documentation distributed in packages’ ‘/share/doc’. Usually plain text and/or HTML. This also includes “doc” outputs.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/misc/documentation.nix>

documentation.info.enable
Whether to install info pages and the **info** command. This also includes “info” outputs.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/misc/documentation.nix>

documentation.man.enable
Whether to install manual pages. This also includes ‘man’ outputs.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/misc/documentation.nix>

documentation.man.cache.enable
Whether to generate the manual page index caches. This allows searching for a page or keyword using utilities like **apropos**(1) and the ‘−k’ option of **man**(1).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/misc/documentation.nix>

documentation.man.cache.generateAtRuntime
Whether to generate the manual page index caches at runtime using a systemd service.

Note
This is currently only supported by the man−db module.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/misc/documentation.nix>

documentation.man.man−db.enable
Whether to enable man−db as the default man page viewer.

Type: boolean

Default:

```
config.documentation.man.enable
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/misc/man−db.nix>

documentation.man.man−db.package
The ‘man−db’ derivation to use. Useful to override configuration options used for the package.

Type: package

Default:

```
pkgs.man-db
```

Declared by:
<nixpkgs/nixos/modules/misc/man−db.nix>

documentation.man.man−db.manualPages
The manual pages to generate caches for if **documentation.man.cache.enable** is enabled. Must be a path to a directory with man pages under ‘/share/man’; see the source for an example. Advanced users can make this a content−addressed derivation to save a few rebuilds.

Type: absolute path

Default: all man pages in **config.environment.systemPackages**

Declared by:
<nixpkgs/nixos/modules/misc/man−db.nix>

documentation.man.mandoc.enable
Whether to enable mandoc as the default man page viewer.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/misc/mandoc.nix>

documentation.man.mandoc.package
The ‘mandoc’ derivation to use. Useful to override configuration options used for the package.

Type: package

Default:

```
pkgs.mandoc
```

Declared by:
<nixpkgs/nixos/modules/misc/mandoc.nix>

documentation.man.mandoc.cachePath
Change the paths where mandoc **makewhatis**(8)generates the manual page index caches. **documentation.man.cache.enable** should be enabled to allow cache generation. This list should only include the paths to manpages installed in the system configuration, i. e. /run/current−system/sw/share/man. **makewhatis**(8) creates a database in each directory using the files ‘mansection/[arch/]title.section’ and ‘catsection/[arch/]title.0’ in it. If a directory contains no manual pages, no database is created in that directory. This option only needs to be set manually if extra paths should be indexed or **documentation.man.manPath** contains paths that can’t be indexed.

Type: list of string

Default:

```
config.documentation.man.mandoc.manPath
```

Example:

```
[ "share/man" "share/man/fr" ]
```

Declared by:
<nixpkgs/nixos/modules/misc/mandoc.nix>

documentation.man.mandoc.extraConfig
Extra configuration to write to **man.conf**(5).

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/misc/mandoc.nix>

documentation.man.mandoc.manPath
Change the paths included in the MANPATH environment variable, i. e. the directories where **man**(1) looks for section−specific directories of man pages. You only need to change this setting if you want extra man pages (e. g. in non−english languages). All values must be strings that are a valid path from the target prefix (without including it). The first value given takes priority. Note that this will not add manpath directives to **man.conf**(5).

Type: list of string

Default:

```
[
  "share/man"
]
```

Example:

```
[ "share/man" "share/man/fr" ]
```

Declared by:
<nixpkgs/nixos/modules/misc/mandoc.nix>

documentation.man.mandoc.settings
Configuration for **man.conf**(5)

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/misc/mandoc.nix>

documentation.man.mandoc.settings.manpath
Override the default search path for **man**(1), **apropos**(1), and **makewhatis**(8). It can be used multiple times to specify multiple paths, with the order determining the manual page search order. This is not recommended in favor of **documentation.man.mandoc.manPath**, but if it's needed to specify the manpath in this way, set **documentation.man.mandoc.manPath** to an empty list ('[]').

Type: list of string

Default:

```
[ ]
```

Example:

```
[ "/run/current-system/sw/share/man" ]
```

Declared by:
<nixpkgs/nixos/modules/misc/mandoc.nix>

documentation.man.mandoc.settings.output.fragment
Whether to omit the <!DOCTYPE> declaration and the <html>, <head>, and <body> elements and only emit the subtree below the <body> element in HTML output of **mandoc**(1). The style argument will be ignored. This is useful when embedding manual content within existing documents.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/misc/mandoc.nix>

documentation.man.mandoc.settings.output.includes
A string of relative path used as a template for the output path of linked header files (usually via the In macro) in HTML output. Instances of '%I' are replaced with the include filename. The default is not to present a hyperlink.

Type: null or string

Default:

```
null
```

Example:

```
../src/%I.html
```

Declared by:
<nixpkgs/nixos/modules/misc/mandoc.nix>

documentation.man.mandoc.settings.output.indent
Number of blank characters at the left margin for normal text, default of '5' for **mdoc**(7) and '7' for **man**(7). Increasing this is not recommended; it may result in degraded formatting, for example overfull lines or ugly line breaks. When output is to a pager on a terminal that is less than 66 columns wide, the default is reduced to three columns.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/misc/mandoc.nix>

documentation.man.mandoc.settings.output.man
A template for linked manuals (usually via the Xr macro) in HTML output. Instances of '%N' and '%S' are replaced with the linked manual's name and section, respectively. If no section is included, section 1 is assumed. The default is not to present a hyperlink. If two formats are given and a file %N.%S exists in the current directory, the first format is used; otherwise, the second format is used.

Type: null or string

Default:

```
null
```

Example:

```
../html%S/%N.%S.html
```

Declared by:
<nixpkgs/nixos/modules/misc/mandoc.nix>

documentation.man.mandoc.settings.output.paper
This option is for generating PostScript and PDF output. The paper size name may be one of ‘a3’, ‘a4’, ‘a5’, ‘legal’, or ‘letter’. You may also manually specify dimensions as ‘NNxNN’, width by height in millimetres. If an unknown value is encountered, letter is used. Output pages default to letter sized and are rendered in the Times font family, 11−point. Margins are calculated as 1/9 the page length and width. Line−height is 1.4m.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/misc/mandoc.nix>

documentation.man.mandoc.settings.output.style
Path to the file used for an external style−sheet. This must be a valid absolute or relative URI.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/misc/mandoc.nix>

documentation.man.mandoc.settings.output.toc
Whether to enable printing a table of contents near the beginning of the HTML output of **mandoc**(1) if an input file contains at least two non−standard sections .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/misc/mandoc.nix>

documentation.man.mandoc.settings.output.width
The ASCII and UTF−8 output width, default is ‘78’. When output is a pager on a terminal that is less than 79 columns wide, the default is reduced to one less than the terminal width. In any case, lines that are output in literal mode are never wrapped and may exceed the output width.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/misc/mandoc.nix>

documentation.nixos.enable

Whether to install NixOS's own documentation.

- This includes man pages like **configuration.nix**(5) if **documentation.man.enable** is set.
- This includes the HTML manual and the **nixos-help** command if **documentation.doc.enable** is set.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/misc/documentation.nix>

documentation.nixos.checkRedirects

Check redirects for manualHTML.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/misc/documentation.nix>

documentation.nixos.extraModuleSources

Which extra NixOS module paths the generated NixOS's documentation should strip from options.

Type: list of (absolute path or string)

Default:

```
[ ]
```

Example:

```
# e.g. with options from modules in ${pkgs.customModules}/nix:
[ pkgs.customModules ]
```

Declared by:

<nixpkgs/nixos/modules/misc/documentation.nix>

documentation.nixos.extraModules

Modules for which to show options even when not imported.

Type: list of raw value

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/misc/documentation.nix>

documentation.nixos.includeAllModules

Whether the generated NixOS's documentation should include documentation for all the options from all the NixOS modules included in the current 'configuration.nix'. Disabling this will make the manual generator to ignore options defined outside of 'baseModules'.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/misc/documentation.nix>

documentation.nixos.options.splitBuild
Whether to split the option docs build into a cacheable and an uncacheable part. Splitting the build can substantially decrease the amount of time needed to build the manual, but some user modules may be incompatible with this splitting.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/misc/documentation.nix>

documentation.nixos.options.warningsAreErrors
Treat warning emitted during the option documentation build (eg for missing option descriptions) as errors.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/misc/documentation.nix>

ec2.zfs.datasets
Datasets to create under the ‘tank’ and ‘boot’ zpools.

NOTE: This option is used only at image creation time, and does not attempt to declaratively create or manage datasets on an existing system.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/amazon−options.nix>

ec2.zfs.datasets.<name>.mount
Where to mount this dataset.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/amazon−options.nix>

ec2.zfs.datasets.<name>.properties
Properties to set on this dataset.

Type: attribute set of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/amazon−options.nix>

environment.enableAllTerminfo
Whether to install all terminfo outputs

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/config/terminfo.nix>

environment.enableDebugInfo
Some NixOS packages provide debug symbols. However, these are not included in the system closure by default to save disk space. Enabling this option causes the debug symbols to appear in */run/current−system/sw/lib/debug/.build−id*, where tools such as **gdb** can find them. If you need debug symbols for a package that doesn't provide them by default, you can enable them as follows:

```
nixpkgs.config.packageOverrides = pkgs: {
  hello = pkgs.hello.overrideAttrs (oldAttrs: {
    separateDebugInfo = true;
  });
};
```

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/config/debug−info.nix>

environment.budgie.excludePackages
Which packages Budgie should exclude from the default environment.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.mate−terminal ]
```

Declared by:
<nixpkgs/nixos/modules/services/desktop−managers/budgie.nix>

environment.checkConfigurationOptions
Alias of **_module.check**.

Type: boolean

Declared by:
<nixpkgs/nixos/modules/rename.nix>

environment.cinnamon.excludePackages
Which packages cinnamon should exclude from the default environment

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.blueman ]
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop−managers/cinnamon.nix>

environment.corePackages
Set of core packages for a normal interactive system.

Only change this if you know what you're doing!

Like with systemPackages, packages are installed to */run/current−system/sw*. They are automatically available to all users, and are automatically updated every time you rebuild the system configuration.

Type: list of package

Default: these packages, with their meta.priority numerically increased (thus lowering their installation priority):

```
[ pkgs.acl pkgs.attr pkgs.bashInteractive pkgs.bzip2 pkgs.coreutils \
−full pkgs.cpio pkgs.curl pkgs.diffutils pkgs.findutils pkgs.gawk  \
pkgs.getent pkgs.getconf pkgs.gnugrep pkgs.gnupatch pkgs.gnused pkg \
s.gnutar pkgs.gzip pkgs.xz pkgs.less pkgs.libcap pkgs.ncurses pkgs. \
netcat pkgs.mkpasswd pkgs.procps pkgs.su pkgs.time pkgs.util−linux \
 pkgs.which pkgs.zstd ]
```

Example:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/config/system−path.nix>

environment.cosmic.excludePackages
List of packages to exclude from the COSMIC environment.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.cosmic−player ]
```

Declared by:
<nixpkgs/nixos/modules/services/desktop−managers/cosmic.nix>

environment.debuginfodServers
List of urls of debuginfod servers for tools like **gdb** and **valgrind** to use.

Unrelated to **environment.enableDebugInfo**.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/config/debug−info.nix>

environment.defaultPackages

Set of default packages that aren't strictly necessary for a running system, entries can be removed for a more minimal NixOS installation.

Like with systemPackages, packages are installed to */run/current−system/sw*. They are automatically available to all users, and are automatically updated every time you rebuild the system configuration.

Type: list of package

Default: these packages, with their meta.priority numerically increased (thus lowering their installation priority):

```
[ pkgs.perl pkgs.rsync pkgs.strace ]
```

Example:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/config/system−path.nix>

environment.enlightenment.excludePackages

Which packages Enlightenment should exclude from the default environment

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.enlightenment.ephoto ]
```

Declared by:

<nixpkgs/nixos/modules/services/x11/desktop−managers/enlightenment.nix>

environment.etc

Set of files that have to be linked in */etc*.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{ example−configuration−file =
    { source = "/nix/store/.../etc/dir/file.conf.example";
      mode = "0440";
    };
  "default/useradd".text = "GROUP=100 ...";
}
```

Declared by:

<nixpkgs/nixos/modules/system/etc/etc.nix>

environment.etc.<name>.enable

Whether this /etc file should be generated. This option allows specific /etc files to be disabled.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/etc/etc.nix>

environment.etc.<name>.gid
GID of created file. Only takes effect when the file is copied (that is, the mode is not 'symlink').

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/system/etc/etc.nix>

environment.etc.<name>.group
Group name of file owner.

Only takes effect when the file is copied (that is, the mode is not 'symlink').

When 'services.userborn.enable', this option has no effect. You have to assign a 'gid' instead. Otherwise this option takes precedence over 'gid'.

Type: string

Default:

```
"+0"
```

Declared by:
<nixpkgs/nixos/modules/system/etc/etc.nix>

environment.etc.<name>.mode
If set to something else than 'symlink', the file is copied instead of symlinked, with the given file mode.

Type: string

Default:

```
"symlink"
```

Example:

```
"0600"
```

Declared by:
<nixpkgs/nixos/modules/system/etc/etc.nix>

environment.etc.<name>.source
Path of the source file.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/system/etc/etc.nix>

environment.etc.<name>.target
Name of symlink (relative to */etc*). Defaults to the attribute name.

Type: string

Declared by:
<nixpkgs/nixos/modules/system/etc/etc.nix>

environment.etc.<name>.text
Text of the file.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/system/etc/etc.nix>

environment.etc.<name>.uid
UID of created file. Only takes effect when the file is copied (that is, the mode is not 'symlink').

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/system/etc/etc.nix>

environment.etc.<name>.user
User name of file owner.

Only takes effect when the file is copied (that is, the mode is not 'symlink').

When 'services.userborn.enable', this option has no effect. You have to assign a 'uid' instead. Otherwise this option takes precedence over 'uid'.

Type: string

Default:

```
"+0"
```

Declared by:
<nixpkgs/nixos/modules/system/etc/etc.nix>

environment.extraInit
Shell script code called during global environment initialisation after all variables and profileVariables have been set. This code is assumed to be shell−independent, which means you should stick to pure sh without sh word split.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/config/shells−environment.nix>

environment.extraOutputsToInstall
Entries listed here will be appended to the 'meta.outputsToInstall' attribute for each package in 'environment.systemPackages', and the files from the corresponding derivation outputs symlinked into */run/current−system/sw*.

For example, this can be used to install the 'dev' and 'info' outputs for all packages in the system environment, if they are available.

To use specific outputs instead of configuring them globally, select the corresponding attribute on the package derivation, e.g. 'libxml2.dev' or 'coreutils.info'.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "dev"
  "info"
]
```

Declared by:
<nixpkgs/nixos/modules/config/system−path.nix>

environment.extraSetup
Shell fragments to be run after the system environment has been created. This should only be used for things that need to modify the internals of the environment, e.g. generating MIME caches. The environment being built can be accessed at $out.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/config/system−path.nix>

environment.freetds
Configure freetds database entries. Each attribute denotes a section within freetds.conf, and the value (a string) is the config content for that section. When at least one entry is configured the global environment variables FREETDSCONF, FREETDS and SYBASE will be configured to allow the programs that use freetds to find the library and config.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{ MYDATABASE = ''
    host = 10.0.2.100
    port = 1433
    tds version = 7.2
  '';
}
```

Declared by:
<nixpkgs/nixos/modules/programs/freetds.nix>

environment.gnome.excludePackages
Which packages gnome should exclude from the default environment

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.showtime ]
```

Declared by:
<nixpkgs/nixos/modules/services/desktop−managers/gnome.nix>

environment.homeBinInPath
Include ~/bin/ in $PATH.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/config/shells−environment.nix>

environment.interactiveShellInit
Shell script code called during interactive shell initialisation. This code is assumed to be shell−independent, which means you should stick to pure sh without sh word split.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/config/shells−environment.nix>

environment.ldso
The executable to link into the normal FHS location of the ELF loader.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/config/ldso.nix>

environment.ldso32
The executable to link into the normal FHS location of the 32−bit ELF loader.

This currently only works on x86_64 architectures.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/config/ldso.nix>

environment.localBinInPath
Add ~/.local/bin/ to $PATH

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/config/shells−environment.nix>

environment.loginShellInit
Shell script code called during login shell initialisation. This code is assumed to be shell−independent, which means you should stick to pure sh without sh word split.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/config/shells−environment.nix>

environment.lxqt.excludePackages

Which LXQt packages to exclude from the default environment

Type: list of package

Default:

```
[ ]
```

Example:

```
with pkgs; [ lxqt.qterminal ]
```

Declared by:

<nixpkgs/nixos/modules/services/x11/desktop−managers/lxqt.nix>

environment.mate.excludePackages

Which MATE packages to exclude from the default environment

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.mate−terminal pkgs.pluma ]
```

Declared by:

<nixpkgs/nixos/modules/services/x11/desktop−managers/mate.nix>

environment.memoryAllocator.provider

The system−wide memory allocator.

Briefly, the system−wide memory allocator providers are:

- ‘libc’: the standard allocator provided by libc
- ‘graphene−hardened’: Hardened memory allocator coming from GrapheneOS project. The default configuration template has all normal optional security features enabled and is quite aggressive in terms of sacrificing performance and memory usage for security.
- ‘graphene−hardened−light’: Hardened memory allocator coming from GrapheneOS project. The light configuration template disables the slab quarantines, write after free check, slot randomization and raises the guard slab interval from 1 to 8 but leaves zero−on−free and slab canaries enabled. The light configuration has solid performance and memory usage while still being far more secure than mainstream allocators with much better security properties.
- ‘jemalloc’: A general purpose allocator that emphasizes fragmentation avoidance and scalable concurrency support.
- ‘mimalloc’: A compact and fast general purpose allocator, which may optionally be built with mitigations against various heap vulnerabilities.
- ‘scudo’: A user−mode allocator based on LLVM Sanitizer’s CombinedAllocator, which aims at providing additional mitigations against heap based vulnerabilities, while maintaining good performance.

  Warning
  Selecting an alternative allocator (i.e., anything other than ‘libc’) may result in instability, data loss, and/or service failure.

Type: one of “libc”, “graphene−hardened”, “graphene−hardened−light”, “jemalloc”, “mimalloc”, “scudo”

Default:

```
"libc"
```

Declared by:
<nixpkgs/nixos/modules/config/malloc.nix>

environment.pantheon.excludePackages
Which packages pantheon should exclude from the default environment

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.pantheon.elementary-camera ]
```

Declared by:
<nixpkgs/nixos/modules/services/desktop-managers/pantheon.nix>

environment.pathsToLink
List of directories to be symlinked in */run/current-system/sw*.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "/"
]
```

Declared by:
<nixpkgs/nixos/modules/config/system-path.nix>

environment.plasma6.excludePackages
List of default packages to exclude from the configuration

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.kdePackages.elisa ]
```

Declared by:
<nixpkgs/nixos/modules/services/desktop-managers/plasma6.nix>

environment.profileRelativeEnvVars
Attribute set of environment variable. Each attribute maps to a list of relative paths. Each relative path is appended to the each profile of **environment.profiles** to form the content of the corresponding environment variable.

Type: attribute set of list of string

Default:

```
{ }
```

Example:

```
{
  MANPATH = [
    "/man"
```

```
    "/share/man"
  ];
  PATH = [
    "/bin"
  ];
}
```

Declared by:

<nixpkgs/nixos/modules/config/shells−environment.nix>

environment.profileRelativeSessionVariables

Attribute set of environment variable used in the global environment. These variables will be set by PAM early in the login process.

Variable substitution is available as described in **pam_env.conf**(5).

Each attribute maps to a list of relative paths. Each relative path is appended to the each profile of **environment.profiles** to form the content of the corresponding environment variable.

Also, these variables are merged into **environment.profileRelativeEnvVars** and it is therefore not possible to use PAM style variables such as '@{HOME}'.

Type: attribute set of list of string

Default:

```
{ }
```

Example:

```
{
  MANPATH = [
    "/man"
    "/share/man"
  ];
  PATH = [
    "/bin"
  ];
}
```

Declared by:

<nixpkgs/nixos/modules/config/system−environment.nix>

environment.profiles

A list of profiles used to setup the global environment.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/config/shells−environment.nix>

environment.sessionVariables

A set of environment variables used in the global environment. These variables will be set by PAM early in the login process.

The value of each session variable can be either a string or a list of strings. The latter is concatenated, interspersed with colon characters.

Setting a variable to 'null' does nothing. You can override a variable set by another module to 'null' to unset it.

Note, due to limitations in the PAM format values may not contain the '"' character.

Also, these variables are merged into **environment.variables** and it is therefore not possible to use PAM style variables such as '@{HOME}'.

Type: attribute set of (null or (list of (signed integer or string or absolute path)) or signed integer or string or absolute path)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/config/system−environment.nix>

environment.shellAliases

An attribute set that maps aliases (the top level attribute names in this option) to command strings or directly to build outputs. The aliases are added to all users' shells. Aliases mapped to 'null' are ignored.

Type: attribute set of (null or string or absolute path)

Default:

```
{ }
```

Example:

```
{
  l = null;
  ll = "ls -l";
}
```

Declared by:

<nixpkgs/nixos/modules/config/shells−environment.nix>

environment.shellInit

Shell script code called during shell initialisation. This code is assumed to be shell−independent, which means you should stick to pure sh without sh word split.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/config/shells−environment.nix>

environment.shells

A list of permissible login shells for user accounts. No need to mention '/bin/sh' here, it is placed into this list implicitly.

Type: list of (package or absolute path)

Default:

```
[ ]
```

Example:

```
[ pkgs.bashInteractive pkgs.zsh ]
```

Declared by:

<nixpkgs/nixos/modules/config/shells−environment.nix>

environment.stub−ld.enable

Install a stub ELF loader to print an informative error message in the event that a user attempts to run an ELF binary not compiled for NixOS.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:

<nixpkgs/nixos/modules/config/stub−ld.nix>

environment.systemPackages

The set of packages that appear in /run/current−system/sw. These packages are automatically available to all users, and are automatically updated every time you rebuild the system configuration. (The latter is the main difference with installing them in the default profile, */nix/var/nix/profiles/default*.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.firefox pkgs.thunderbird ]
```

Declared by:

<nixpkgs/nixos/modules/config/system−path.nix>

environment.unixODBCDrivers

Specifies Unix ODBC drivers to be registered in */etc/odbcinst.ini*. You may also want to add 'pkgs.unixodbc' to the system path to get a command line client to connect to ODBC databases.

Type: list of package

Default:

```
[ ]
```

Example:

```
with pkgs.unixodbcDrivers; [ sqlite psql ]
```

Declared by:

<nixpkgs/nixos/modules/config/unix−odbc−drivers.nix>

environment.variables

A set of environment variables used in the global environment. These variables will be set on shell initialisation (e.g. in /etc/profile).

The value of each variable can be either a string or a list of strings. The latter is concatenated, interspersed with colon characters.

Setting a variable to 'null' does nothing. You can override a variable set by another module to 'null' to unset it.

Type: attribute set of (null or (list of (signed integer or string or absolute path)) or signed integer or string or absolute path)

Default:

```
{ }
```

Example:

```
{
  EDITOR = "nvim";
  VISUAL = "nvim";
}
```

Declared by:

<nixpkgs/nixos/modules/config/shells−environment.nix>

environment.wordlist.enable

Whether to enable environment variables for lists of words.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/misc/wordlist.nix>

environment.wordlist.lists

A set with the key names being the environment variable you'd like to set and the values being a list of paths to text documents containing lists of words. The various files will be merged, sorted, duplicates removed, and extraneous spacing removed.

If you have a handful of words that you want to add to an already existing wordlist, you may find 'builtins.toFile' useful for this task.

Type: attribute set of non−empty (list of absolute path)

Default:

```
{
  WORDLIST = [ "${pkgs.scowl}/share/dict/words.txt" ];
}
```

Example:

```
{
  WORDLIST = [ "${pkgs.scowl}/share/dict/words.txt" ];
  AUGMENTED_WORDLIST = [
    "${pkgs.scowl}/share/dict/words.txt"
    "${pkgs.scowl}/share/dict/words.variants.txt"
    (builtins.toFile "extra−words" ''
      desynchonization
      oobleck'')
  ];
}
```

Declared by:

<nixpkgs/nixos/modules/misc/wordlist.nix>

environment.wvdial.dialerDefaults

Contents of the "Dialer Defaults" section of <filename>/etc/wvdial.conf</filename>.

Type: string

Default:

```
""
```

Example:

```
"Init1 = AT+CGDCONT=1,\"IP\",\"internet.t-mobile\""
```

Declared by:

<nixpkgs/nixos/modules/services/networking/wvdial.nix>

environment.wvdial.pppDefaults

Default ppp settings for wvdial.

Type: string

Default:

```
noipdefault
usepeerdns
defaultroute
persist
noauth
```

Declared by:

<nixpkgs/nixos/modules/services/networking/wvdial.nix>

environment.xfce.excludePackages

Which packages XFCE should exclude from the default environment

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.xfce4-volumed-pulse ]
```

Declared by:

<nixpkgs/nixos/modules/services/x11/desktop-managers/xfce.nix>

fileSystems

The file systems to be mounted. It must include an entry for the root directory (‘mountPoint = "/"’). Each entry in the list is an attribute set with the following fields: ‘mountPoint’, ‘device’, ‘fsType’ (a file system type recognised by **mount**), and ‘options’ (the mount options passed to **mount** using the **-o** flag; defaults to ‘["defaults"]’).

Instead of specifying ‘device’, you can also specify a volume label (‘label’) for file systems that support it, such as ext2/ext3 (see **mke2fs -L**).

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "/".device = "/dev/hda1";
  "/data" = {
    device = "/dev/hda2";
    fsType = "ext3";
    options = [ "data=journal" ];
  };
  "/bigdisk".label = "bigdisk";
}
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/overlayfs.nix>
<nixpkgs/nixos/modules/tasks/filesystems.nix>
<nixpkgs/nixos/modules/tasks/encrypted−devices.nix>
<nixpkgs/nixos/modules/system/boot/stage−1.nix>

fileSystems.<name>.enable

Whether to enable the filesystem mount.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems.nix>

fileSystems.<name>.autoFormat

If the device does not currently contain a filesystem (as determined by **blkid**), then automatically format it with the filesystem type specified in **fsType**. Use with caution.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems.nix>

fileSystems.<name>.autoResize

If set, the filesystem is grown to its maximum size before being mounted. (This is typically the size of the containing partition.) This is currently only supported for ext2/3/4 filesystems that are mounted during early boot.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems.nix>

fileSystems.<name>.depends

List of paths that should be mounted before this one. This filesystem's **device** and **mountPoint** are always checked and do not need to be included explicitly. If a path is added to this list, any other filesystem whose mount point is a parent of the path will be mounted before this filesystem. The paths do not need to actually be the **mountPoint** of some other filesystem.

This is useful for mounts which require keys and/or configuration files residing on another filesystem.

Type: list of string (with check: non−empty without trailing slash)

Default:

```
[ ]
```

Example:

```
[
  "/persist"
```

```
]
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems.nix>

fileSystems.<name>.device
The device as passed to ‘mount’.

This can be any of:

- a filename of a block special device such as ‘/dev/sdc3’
- a tag such as ‘UUID=fdd68895−c307−4549−8c9c−90e44c71f5b7’
- (for bind mounts only) the source path
- something else depending on the **fsType**. For example, ‘nfs’ device may look like ‘knuth.cwi.nl:/dir’

This is called ‘device’ in **mount**(8) and ‘fs_spec’ in **fstab**(5).

Type: null or string (with check: non−empty)

Default:

```
null
```

Example:

```
"/dev/sda"
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems.nix>

fileSystems.<name>.encrypted.enable
The block device is backed by an encrypted one, adds this device as a initrd luks entry.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/tasks/encrypted−devices.nix>

fileSystems.<name>.encrypted.blkDev
Location of the backing encrypted device.

Type: null or string

Default:

```
null
```

Example:

```
"/dev/sda1"
```

Declared by:
<nixpkgs/nixos/modules/tasks/encrypted−devices.nix>

fileSystems.<name>.encrypted.keyFile
Path to a keyfile used to unlock the backing encrypted device. When systemd stage 1 is not enabled, at the time this keyfile is accessed, the ‘neededForBoot’ filesystems (see ‘utils.fsNeededForBoot’) will have been mounted under ‘/mnt−root’, so the keyfile path should usually start with “/mnt−root/”. When systemd stage 1 is enabled, ‘fsNeededForBoot’ file systems will be mounted as needed under ‘/sysroot’, and the keyfile will not be accessed until its requisite mounts are done.

Type: null or string

Default:

```
null
```

Example:

```
"/mnt-root/root/.swapkey"
```

Declared by:
<nixpkgs/nixos/modules/tasks/encrypted-devices.nix>

fileSystems.<name>.encrypted.label
Label of the unlocked encrypted device. Set ‘fileSystems.<name?>.device’ to ‘/dev/mapper/<label>’ to mount the unlocked device.

Type: null or string

Default:

```
null
```

Example:

```
"rootfs"
```

Declared by:
<nixpkgs/nixos/modules/tasks/encrypted-devices.nix>

fileSystems.<name>.fsType
Type of the file system.

This is the ‘fstype’ passed to ‘-t’ in the **mount**(8) command, and is called ‘fs_vfstype’ in **fstab**(5).

Type: string (with check: non-empty)

Example:

```
"ext3"
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems.nix>

fileSystems.<name>.label
Label of the device. This simply sets **device** to ‘/dev/disk/by-label/${label}’. Note that devices will not have a label unless they contain a filesystem which supports labels, such as ext4 or fat32.

Type: null or string (with check: non-empty)

Default:

```
null
```

Example:

```
"root-partition"
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems.nix>

fileSystems.<name>.mountPoint
Location where the file system will be mounted.

This is called ‘mountpoint’ in **mount**(8) and ‘fs_file’ in **fstab**(5)

Type: string (with check: non-empty without trailing slash)

Default:

```
"‹name›"
```

Example:

```
"/mnt/usb"
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems.nix>

fileSystems.<name>.neededForBoot
If set, this file system will be mounted in the initial ramdisk. Note that the file system will always be mounted in the initial ramdisk if its mount point is one of the following: */*, */nix*, */nix/store*, */var*, */var/log*, */var/lib*, */var/lib/nixos*, */etc*, */usr*.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/system/boot/stage−1.nix>

fileSystems.<name>.noCheck
Disable running fsck on this filesystem.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems.nix>

fileSystems.<name>.options
Options used to mount the file system.

This is called ‘options’ in **mount**(8) and ‘fs_mntops’ in **fstab**(5)

Some options that can be used for all mounts are documented in **mount**(8) under ‘FILESYSTEM−INDEPENDENT MOUNT OPTIONS’.

Options that systemd understands are documented in **systemd.mount**(5) under ‘FSTAB’.

Each filesystem supports additional options, see the docs for that filesystem.

Type: non−empty (list of string (with check: non−empty))

Default:

```
[
  "defaults"
]
```

Example:

```
[
  "data=journal"
]
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems.nix>

fileSystems.<name>.overlay.lowerdir
The list of path(s) to the lowerdir(s).

To create a writable overlay, you MUST provide an ‘upperdir’ and a ‘workdir’.

You can create a read−only overlay when you provide multiple (at least 2!) lowerdirs and neither an ‘upperdir’ nor a ‘workdir’.

Type: null or (non−empty (list of (string or path in the Nix store)))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/overlayfs.nix>

fileSystems.<name>.overlay.upperdir
The path to the upperdir.

If this is null, a read−only overlay is created using the lowerdir.

If the filesystem is ‘neededForBoot’, this will be prefixed with ‘/sysroot’, unless ‘useStage1BaseDirectories’ is set to ‘true’.

If you set this to some value you MUST also set ‘workdir’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/overlayfs.nix>

fileSystems.<name>.overlay.useStage1BaseDirectories
If enabled, ‘lowerdir’, ‘upperdir’ and ‘workdir’ will be prefixed with ‘/sysroot’.

Disabling this can be useful to create an overlay over directories which aren’t on the real root.

Disabling this does not work with the scripted (i.e. non−systemd) initrd.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/overlayfs.nix>

fileSystems.<name>.overlay.workdir
The path to the workdir.

If the filesystem is ‘neededForBoot’, this will be prefixed with ‘/sysroot’, unless ‘useStage1BaseDirectories’ is set to ‘true’.

This MUST be set if you set ‘upperdir’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/overlayfs.nix>

fileSystems.<name>.stratis.poolUuid
UUID of the stratis pool that the fs is located in

This is only relevant if you are using **stratis**.

Type: null or string

Default:

```
null
```

Example:

```
"04c68063−90a5−4235−b9dd−6180098a20d9"
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems.nix>

fonts.enableDefaultPackages
Enable a basic set of fonts providing several styles and families and reasonable coverage of Unicode.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/config/fonts/packages.nix>

fonts.enableGhostscriptFonts
Whether to add the fonts provided by Ghostscript (such as various URW fonts and the “Base−14” Postscript fonts) to the list of system fonts, making them available to X11 applications.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/config/fonts/ghostscript.nix>

fonts.packages
List of primary font packages.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[ pkgs.dejavu_fonts ]
```

Declared by:
<nixpkgs/nixos/modules/config/fonts/packages.nix>

fonts.fontDir.enable
Whether to create a directory with links to all fonts in */run/current−system/sw/share/X11/fonts*.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/config/fonts/fontdir.nix>

fonts.fontDir.decompressFonts
Whether to decompress fonts in */run/current−system/sw/share/X11/fonts*.

Type: boolean

Default:

```
config.programs.xwayland.enable
```

Declared by:
<nixpkgs/nixos/modules/config/fonts/fontdir.nix>

fonts.fontconfig.enable

If enabled, a Fontconfig configuration file will be built pointing to a set of default fonts. If you don't care about running X11 applications or any other program that uses Fontconfig, you can turn this option off and prevent a dependency on all those fonts.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/config/fonts/fontconfig.nix>

fonts.fontconfig.allowBitmaps

Allow bitmap fonts. Set to 'false' to ban all bitmap fonts.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/config/fonts/fontconfig.nix>

fonts.fontconfig.allowType1

Allow Type−1 fonts. Default is 'false' because of poor rendering.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/config/fonts/fontconfig.nix>

fonts.fontconfig.antialias

Enable font antialiasing. At high resolution (> 200 DPI), antialiasing has no visible effect; users of such displays may want to disable this option.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/config/fonts/fontconfig.nix>

fonts.fontconfig.cache32Bit

Generate system fonts cache for 32−bit applications.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/config/fonts/fontconfig.nix>

fonts.fontconfig.defaultFonts.emoji

System−wide default emoji font(s). Multiple fonts may be listed in case a font does not support all emoji.

Note that fontconfig matches color emoji fonts preferentially, so if you want to use a black and white font while having a color font installed (eg. Noto Color Emoji installed alongside Noto Emoji), fontconfig will still choose the color font even when it is later in the list.

Type: list of string

Default:

```
[
  "Noto Color Emoji"
]
```

Declared by:

<nixpkgs/nixos/modules/config/fonts/fontconfig.nix>

fonts.fontconfig.defaultFonts.monospace

System−wide default monospace font(s). Multiple fonts may be listed in case multiple languages must be supported.

Type: list of string

Default:

```
[
  "DejaVu Sans Mono"
]
```

Declared by:

<nixpkgs/nixos/modules/config/fonts/fontconfig.nix>

fonts.fontconfig.defaultFonts.sansSerif

System−wide default sans serif font(s). Multiple fonts may be listed in case multiple languages must be supported.

Type: list of string

Default:

```
[
  "DejaVu Sans"
]
```

Declared by:

<nixpkgs/nixos/modules/config/fonts/fontconfig.nix>

fonts.fontconfig.defaultFonts.serif

System−wide default serif font(s). Multiple fonts may be listed in case multiple languages must be supported.

Type: list of string

Default:

```
[
  "DejaVu Serif"
]
```

Declared by:

<nixpkgs/nixos/modules/config/fonts/fontconfig.nix>

fonts.fontconfig.hinting.enable

Enable font hinting. Hinting aligns glyphs to pixel boundaries to improve rendering sharpness at low resolution. At high resolution (> 200 dpi) hinting will do nothing (at best); users of such displays may want to disable this option.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/config/fonts/fontconfig.nix>

fonts.fontconfig.hinting.autohint

Enable the autohinter in place of the default interpreter. The results are usually lower quality than correctly−hinted fonts, but better than unhinted fonts.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/config/fonts/fontconfig.nix>

fonts.fontconfig.hinting.style

Hintstyle is the amount of font reshaping done to line up to the grid.

slight will make the font more fuzzy to line up to the grid but will be better in retaining font shape, while full will be a crisp font that aligns well to the pixel grid but will lose a greater amount of font shape.

Type: one of “none”, “slight”, “medium”, “full”

Default:

```
"slight"
```

Declared by:

<nixpkgs/nixos/modules/config/fonts/fontconfig.nix>

fonts.fontconfig.includeUserConf

Include the user configuration from *~/.config/fontconfig/fonts.conf* or *~/.config/fontconfig/conf.d*.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/config/fonts/fontconfig.nix>

fonts.fontconfig.localConf

System−wide customization file contents, has higher priority than ‘defaultFonts’ settings.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/config/fonts/fontconfig.nix>

fonts.fontconfig.subpixel.lcdfilter

FreeType LCD filter. At high resolution (> 200 DPI), LCD filtering has no visible effect; users of such displays may want to select ‘none’.

Type: one of “none”, “default”, “light”, “legacy”

Default:

```
"default"
```

Declared by:

<nixpkgs/nixos/modules/config/fonts/fontconfig.nix>

fonts.fontconfig.subpixel.rgba

Subpixel order. The overwhelming majority of displays are ‘rgb’ in their normal orientation. Select ‘vrgb’ for mounting such a display 90 degrees clockwise from its normal orientation or ‘vbgr’ for mounting 90 degrees counter−clockwise. Select ‘bgr’ in the unlikely event of mounting 180 degrees from the normal orientation. Reverse these directions in the improbable event that the display’s native subpixel order is ‘bgr’.

Type: one of “rgb”, “bgr”, “vrgb”, “vbgr”, “none”

Default:

```
"none"
```

Declared by:

<nixpkgs/nixos/modules/config/fonts/fontconfig.nix>

fonts.fontconfig.useEmbeddedBitmaps

Use embedded bitmaps in fonts like Calibri.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/config/fonts/fontconfig.nix>

gtk.iconCache.enable

Whether to build icon theme caches for GTK applications.

Type: boolean

Default:

```
config.services.xserver.enable
```

Declared by:

<nixpkgs/nixos/modules/config/gtk/gtk−icon−cache.nix>

hardware.enableAllFirmware

Whether to enable all firmware, including **unfree packages that must be explictly allowed**.

Alternatively, use the **hardware.enableRedistributableFirmware** option.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/all−firmware.nix>

hardware.enableAllHardware
Whether to enable Enable support for most hardware.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/all−hardware.nix>

hardware.enableRedistributableFirmware
Whether to enable firmware with a license allowing redistribution.

Type: boolean

Default:

```
config.hardware.enableAllFirmware
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/all−firmware.nix>

hardware.acpilight.enable
Enable acpilight. This will allow brightness control via xbacklight from users in the video group

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/hardware/acpilight.nix>

hardware.alsa.enable
Whether to set up the user space part of the Advanced Linux Sound Architecture (ALSA)

Warning
Enable this option only if you want to use ALSA as your main sound system, not if you’re using a sound server (e.g. PulseAudio or Pipewire).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/audio/alsa.nix>

hardware.alsa.enableBluetooth
Whether to enable Bluetooth audio support via BlueALSA.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/audio/alsa.nix>

hardware.alsa.enableOSSEmulation
Whether to enable the OSS emulation.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/audio/alsa.nix>

hardware.alsa.enablePersistence
Whether to enable ALSA sound card state saving on shutdown. This is generally not necessary if you're using an external sound server.

Type: boolean

Default:

```
config.hardware.alsa.enable
```

Declared by:
<nixpkgs/nixos/modules/services/audio/alsa.nix>

hardware.alsa.enableRecorder
Whether to set up a loopback device that continuously records and allows to play back audio from the computer.

The loopback device is named 'pcm.recorder', audio can be saved by capturing from this device as with any microphone.

Note
By default the output is duplicated to the recorder assuming stereo audio, for a more complex layout you have to override the pcm.splitter device using 'hardware.alsa.config'. See the generated /etc/asound.conf for its definition.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/audio/alsa.nix>

hardware.alsa.cardAliases
Assign custom names and reorder the sound cards.

Note
You can find the card ids by looking at '/proc/asound/cards'.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  soundchip = { driver = "snd_intel_hda"; id = 0; };
  videocard = { driver = "snd_intel_hda"; id = 1; };
  usb       = { driver = "snd_usb_audio"; id = 2; };
}
```

Declared by:
<nixpkgs/nixos/modules/services/audio/alsa.nix>

hardware.alsa.cardAliases.<name>.driver
Name of the kernel module that provides the card.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/audio/alsa.nix>

hardware.alsa.cardAliases.<name>.id
The ID of the sound card

Type: signed integer

Default:

```
"default"
```

Declared by:
<nixpkgs/nixos/modules/services/audio/alsa.nix>

hardware.alsa.config
The content of the system−wide ALSA configuration (/etc/asound.conf).

Documentation of the configuration language and examples can be found in the unofficial ALSA wiki: **https://alsa.opensrc.org/Asoundrc**

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
# Send audio to a remote host via SSH
pcm.remote {
  @args [ HOSTNAME ]
  @args.HOSTNAME { type string }
  type file
  format raw
  slave.pcm pcm.null
  file {
    @func concat
    strings [
      "| ${lib.getExec pkgs.openssh} −C "
      $HOSTNAME
      " aplay −f %f −c %c −r %r −"
    ]
  }
}
```

Declared by:
<nixpkgs/nixos/modules/services/audio/alsa.nix>

hardware.alsa.controls
Virtual volume controls (softvols) to add to a sound card. These can be used to control the volume of specific applications or a digital output device (HDMI video card).

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  firefox = { device = "front"; maxVolume = -25.0; };
  mpv     = { device = "front"; maxVolume = -25.0; };
  # and run programs with ‘env ALSA_AUDIO_OUT=<name>‘
}
```

Declared by:
<nixpkgs/nixos/modules/services/audio/alsa.nix>

hardware.alsa.controls.<name>.card
Name of the PCM card to control (slave).

Type: string

Default:

```
"default"
```

Declared by:
<nixpkgs/nixos/modules/services/audio/alsa.nix>

hardware.alsa.controls.<name>.device
Name of the PCM device to control (slave).

Type: string

Default:

```
"default"
```

Declared by:
<nixpkgs/nixos/modules/services/audio/alsa.nix>

hardware.alsa.controls.<name>.maxVolume
The maximum volume in dB.

Type: floating point number

Default:

```
0.0
```

Declared by:
<nixpkgs/nixos/modules/services/audio/alsa.nix>

hardware.alsa.controls.<name>.name
Name of the control, as it appears in ‘alsamixer’. If null it will be the same as the softvol device name.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/audio/alsa.nix>

hardware.alsa.defaultDevice.capture
The default capture device (i.e. microphone). Leave empty to let ALSA pick the default automatically.

Note
The device can be changed at runtime by setting the ALSA_AUDIO_IN environment variables (but only before starting a program).

Type: string

Default:

```
""
```

Example:

```
"dsnoop:CARD=0,DEV=2"
```

Declared by:
<nixpkgs/nixos/modules/services/audio/alsa.nix>

hardware.alsa.defaultDevice.playback
The default playback device. Leave empty to let ALSA pick the default automatically.

Note
The device can be changed at runtime by setting the ALSA_AUDIO_OUT environment variables (but only before starting a program).

Type: string

Default:

```
""
```

Example:

```
"dmix:CARD=1,DEV=0"
```

Declared by:
<nixpkgs/nixos/modules/services/audio/alsa.nix>

hardware.alsa.deviceAliases
Assign custom names to sound cards.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  hdmi1 = "hw:CARD=videocard,DEV=5";
  hdmi2 = "hw:CARD=videocard,DEV=6";
}
```

Declared by:
<nixpkgs/nixos/modules/services/audio/alsa.nix>

hardware.alsa.plugins

List of ALSA plugins to be added to the search path.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.bluez-alsa ]
```

Declared by:

<nixpkgs/nixos/modules/services/audio/alsa.nix>

hardware.amdgpu.initrd.enable

Whether to enable loading ‘amdgpu’ kernelModule in stage 1. Can fix lower resolution in boot screen during initramfs phase .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/amdgpu.nix>

hardware.amdgpu.legacySupport.enable

Whether to enable using ‘amdgpu’ kernel driver instead of ‘radeon’ for Southern Islands (Radeon HD 7000) series and Sea Islands (Radeon HD 8000) series cards. Note: this removes support for analog video outputs, which is only available in the ‘radeon’ driver .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/amdgpu.nix>

hardware.amdgpu.opencl.enable

Whether to enable OpenCL support using ROCM runtime library.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/amdgpu.nix>

hardware.amdgpu.overdrive.enable

Whether to enable ‘amdgpu’ overdrive mode for overclocking.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/amdgpu.nix>

hardware.amdgpu.overdrive.ppfeaturemask

Sets the ‘amdgpu.ppfeaturemask’ kernel option. It can be used to enable the overdrive bit. Default is ‘0xfffd7fff’ as it is less likely to cause flicker issues. Setting it to ‘0xffffffff’ enables all features, but also can be unstable. See **the kernel documentation** for more information.

Type: string

Default:

```
"0xfffd7fff"
```

Example:

```
"0xffffffff"
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/amdgpu.nix>

hardware.amdgpu.zluda.enable

Whether to enable CUDA support using ZLUDA runtime library.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/amdgpu.nix>

hardware.amdgpu.zluda.package

The zluda package to use.

Type: package

Default:

```
pkgs.zluda
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/amdgpu.nix>

hardware.apple.touchBar.enable

Whether to enable support for the Touch Bar on some Apple laptops using tiny−dfr.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/apple−touchbar.nix>

hardware.apple.touchBar.package
The tiny−dfr package to use.

Type: package

Default:

```
pkgs.tiny−dfr
```

Declared by:
<nixpkgs/nixos/modules/hardware/apple−touchbar.nix>

hardware.apple.touchBar.settings
Configuration for tiny−dfr. See **example configuration** for available options.

Type: TOML value

Default:

```
{ }
```

Example:

```
{
  MediaLayerDefault = true;
  ShowButtonOutlines = false;
  EnablePixelShift = true;
}
```

Declared by:
<nixpkgs/nixos/modules/hardware/apple−touchbar.nix>

hardware.bladeRF.enable
Enables udev rules for BladeRF devices. By default grants access to users in the “bladerf” group. You may want to install the libbladeRF package.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/hardware/bladeRF.nix>

hardware.block.defaultScheduler
Default block I/O scheduler.

Unless ‘null’, the value is assigned through a udev rule matching all block devices.

Type: null or udev rule value

Default:

```
null
```

Example:

```
"kyber"
```

Declared by:
<nixpkgs/nixos/modules/hardware/iosched.nix>

hardware.block.defaultSchedulerExclude
Device name pattern to exclude from default scheduler assignment through **config.hardware.block.defaultScheduler** and **config.hardware.block.defaultSchedulerRotational**.

By default this excludes loop devices which generally do not benefit from extra I/O scheduling in addition to the scheduling already performed for their backing devices.

This setting does not affect **config.hardware.block.scheduler**.

Type: null or udev rule value

Default:

```
"loop[0-9]*"
```

Declared by:
<nixpkgs/nixos/modules/hardware/iosched.nix>

hardware.block.defaultSchedulerRotational
Default block I/O scheduler for rotational drives (e.g. hard disks).

Unless ‘null’, the value is assigned through a udev rule matching all rotational block devices.

This option takes precedence over **config.hardware.block.defaultScheduler**.

Type: null or udev rule value

Default:

```
null
```

Example:

```
"bfq"
```

Declared by:
<nixpkgs/nixos/modules/hardware/iosched.nix>

hardware.block.scheduler
Assign block I/O scheduler by device name pattern.

Names are matched using the **udev**(7) pattern syntax:

‘*’
: Matches zero or more characters.

‘?’
: Matches any single character.

‘[]’
: Matches any single character specified in the brackets. Ranges are supported via the ‘−’ character.

‘|’
: Separates alternative patterns.

Please note that overlapping patterns may produce unexpected results. More complex configurations requiring these should instead be specified directly through custom udev rules, for example via **config.services.udev.extraRules**, to ensure correct ordering.

Available schedulers depend on the kernel configuration but modern Linux systems typically support:

‘none’
: No-operation scheduler with no re-ordering of requests. Suitable for devices with fast random I/O such as NVMe SSDs.

‘mq−deadline’
: Simple latency-oriented general-purpose scheduler.

‘kyber’
: Simple latency-oriented scheduler for fast multi-queue devices like NVMe SSDs.

‘bfq’
: Complex fairness-oriented scheduler. Higher processing overhead, but good interactive response, especially with slower devices.

Schedulers assigned through this option take precedence over **config.hardware.block.defaultScheduler** and **config.hardware.block.defaultSchedulerRotational** but may be overridden by other udev rules.

Type: attribute set of udev rule value

Default:

```
{ }
```

Example:

```
{
  "mmcblk[0−9]*" = "bfq";
  "nvme[0−9]*" = "kyber";
}
```

Declared by:
<nixpkgs/nixos/modules/hardware/iosched.nix>

hardware.bluetooth.enable
Whether to enable support for Bluetooth.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/bluetooth.nix>

hardware.bluetooth.package
The bluez package to use.

Type: package

Default:

```
pkgs.bluez
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/bluetooth.nix>

hardware.bluetooth.disabledPlugins
Built−in plugins to disable

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/bluetooth.nix>

hardware.bluetooth.hsphfpd.enable
Whether to enable support for hsphfpd[−prototype] implementation.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/bluetooth.nix>

hardware.bluetooth.input
Set configuration for the input service (/etc/bluetooth/input.conf). See **https://github.com/bluez/bluez/blob/master/profiles/input/input.conf** for full list of options.

Type: attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Example:

```
{
  General = {
    ClassicBondedOnly = true;
    IdleTimeout = 30;
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/bluetooth.nix>

hardware.bluetooth.network
Set configuration for the network service (/etc/bluetooth/network.conf). See **https://github.com/bluez/bluez/blob/master/profiles/network/network.conf** for full list of options.

Type: attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Example:

```
{
  General = {
    DisableSecurity = true;
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/bluetooth.nix>

hardware.bluetooth.powerOnBoot

Whether to power up the default Bluetooth controller on boot.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/bluetooth.nix>

hardware.bluetooth.settings

Set configuration for system−wide bluetooth (/etc/bluetooth/main.conf). See **https://github.com/bluez/bluez/blob/master/src/main.conf** for full list of options.

Type: attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Example:

```
{
  General = {
    ControllerMode = "bredr";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/bluetooth.nix>

hardware.brillo.enable

Whether to enable brillo in userspace. This will allow brightness control from users in the video group .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/hardware/brillo.nix>

hardware.bumblebee.enable

Enable the bumblebee daemon to manage Optimus hybrid video cards. This should power off secondary GPU until its use is requested by running an application with optirun.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/hardware/video/bumblebee.nix>

hardware.bumblebee.connectDisplay

Set to true if you intend to connect your discrete card to a monitor. This option will set up your Nvidia card for EDID discovery and to turn on the monitor signal.

Only nvidia driver is supported so far.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/hardware/video/bumblebee.nix>

hardware.bumblebee.driver

Set driver used by bumblebeed. Supported are nouveau and nvidia.

Type: one of “nvidia”, “nouveau”

Default:

```
"nvidia"
```

Declared by:

<nixpkgs/nixos/modules/hardware/video/bumblebee.nix>

hardware.bumblebee.group

Group for bumblebee socket

Type: string

Default:

```
"wheel"
```

Example:

```
"video"
```

Declared by:

<nixpkgs/nixos/modules/hardware/video/bumblebee.nix>

hardware.bumblebee.pmMethod

Set preferred power management method for unused card.

Type: one of “auto”, “bbswitch”, “switcheroo”, “none”

Default:

```
"auto"
```

Declared by:

<nixpkgs/nixos/modules/hardware/video/bumblebee.nix>

hardware.ckb-next.enable

Whether to enable the Corsair keyboard/mouse driver.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/ckb-next.nix>

hardware.ckb-next.package
The ckb-next package to use.

Type: package

Default:

```
pkgs.ckb-next
```

Declared by:
<nixpkgs/nixos/modules/hardware/ckb-next.nix>

hardware.ckb-next.gid
Limit access to the ckb daemon to a particular group.

Type: null or signed integer

Default:

```
null
```

Example:

```
100
```

Declared by:
<nixpkgs/nixos/modules/hardware/ckb-next.nix>

hardware.coral.pcie.enable
Whether to enable Coral PCIe support.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/coral.nix>

hardware.coral.usb.enable
Whether to enable Coral USB support.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/coral.nix>

hardware.cpu.amd.microcodePackage
The microcode-amd package to use.

Type: package

Default:

```
pkgs.microcode-amd
```

Declared by:
<nixpkgs/nixos/modules/hardware/cpu/amd−microcode.nix>

hardware.cpu.amd.ryzen−smu.enable
Whether to enable ryzen_smu, a linux kernel driver that exposes access to the SMU (System Management Unit) for certain AMD Ryzen Processors.

WARNING: Damage cause by use of your AMD processor outside of official AMD specifications or outside of factory settings are not covered under any AMD product warranty and may not be covered by your board or system manufacturer's warranty .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/cpu/amd−ryzen−smu.nix>

hardware.cpu.amd.sev.enable
Whether to enable access to the AMD SEV device.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/cpu/amd−sev.nix>

hardware.cpu.amd.sev.group
Group to assign to the SEV device.

Type: string

Default:

```
"sev"
```

Declared by:
<nixpkgs/nixos/modules/hardware/cpu/amd−sev.nix>

hardware.cpu.amd.sev.mode
Mode to set for the SEV device.

Type: string

Default:

```
"0660"
```

Declared by:
<nixpkgs/nixos/modules/hardware/cpu/amd−sev.nix>

hardware.cpu.amd.sev.user
Owner to assign to the SEV device.

Type: string

Default:

```
"root"
```

Declared by:
<nixpkgs/nixos/modules/hardware/cpu/amd-sev.nix>

hardware.cpu.amd.sevGuest.enable
Whether to enable access to the AMD SEV guest device.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/cpu/amd-sev.nix>

hardware.cpu.amd.sevGuest.group
Group to assign to the SEV guest device.

Type: string

Default:

```
"sev-guest"
```

Declared by:
<nixpkgs/nixos/modules/hardware/cpu/amd-sev.nix>

hardware.cpu.amd.sevGuest.mode
Mode to set for the SEV guest device.

Type: string

Default:

```
"0660"
```

Declared by:
<nixpkgs/nixos/modules/hardware/cpu/amd-sev.nix>

hardware.cpu.amd.sevGuest.user
Owner to assign to the SEV guest device.

Type: string

Default:

```
"root"
```

Declared by:
<nixpkgs/nixos/modules/hardware/cpu/amd-sev.nix>

hardware.cpu.amd.updateMicrocode

Update the CPU microcode for AMD processors.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/hardware/cpu/amd−microcode.nix>

hardware.cpu.intel.microcodePackage

The microcode−intel package to use.

Type: package

Default:

```
pkgs.microcode−intel
```

Declared by:

<nixpkgs/nixos/modules/hardware/cpu/intel−microcode.nix>

hardware.cpu.intel.npu.enable

Whether to enable Intel NPU support.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/hardware/cpu/intel−npu.nix>

hardware.cpu.intel.sgx.enableDcapCompat

Whether to enable backward compatibility for SGX software build for the out−of−tree Intel SGX DCAP driver.

Creates symbolic links for the SGX devices ‘/dev/sgx_enclave’ and ‘/dev/sgx_provision’ to make them available as ‘/dev/sgx/enclave’ and ‘/dev/sgx/provision’, respectively.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/hardware/cpu/intel−sgx.nix>

hardware.cpu.intel.sgx.provision.enable

Whether to enable access to the Intel SGX provisioning device.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/cpu/intel−sgx.nix>

hardware.cpu.intel.sgx.provision.group
Group to assign to the SGX provisioning device.

Type: string

Default:

```
"sgx_prv"
```

Declared by:
<nixpkgs/nixos/modules/hardware/cpu/intel−sgx.nix>

hardware.cpu.intel.sgx.provision.mode
Mode to set for the SGX provisioning device.

Type: string

Default:

```
"0660"
```

Declared by:
<nixpkgs/nixos/modules/hardware/cpu/intel−sgx.nix>

hardware.cpu.intel.sgx.provision.user
Owner to assign to the SGX provisioning device.

Type: string

Default:

```
"root"
```

Declared by:
<nixpkgs/nixos/modules/hardware/cpu/intel−sgx.nix>

hardware.cpu.intel.updateMicrocode
Update the CPU microcode for Intel processors.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/hardware/cpu/intel−microcode.nix>

hardware.cpu.x86.msr.enable
Whether to enable the ‘msr’ (Model−Specific Registers) kernel module and configure ‘udev’ rules for its devices (usually ‘/dev/cpu/*/msr’).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/cpu/x86−msr.nix>

hardware.cpu.x86.msr.group

Group to set for devices of the ‘msr’ kernel subsystem.

Type: string

Default:

```
"msr"
```

Example:

```
"users"
```

Declared by:

<nixpkgs/nixos/modules/hardware/cpu/x86−msr.nix>

hardware.cpu.x86.msr.mode

Mode to set for devices of the ‘msr’ kernel subsystem.

Type: string

Default:

```
"0640"
```

Example:

```
"0660"
```

Declared by:

<nixpkgs/nixos/modules/hardware/cpu/x86−msr.nix>

hardware.cpu.x86.msr.owner

Owner to set for devices of the ‘msr’ kernel subsystem.

Type: string

Default:

```
"root"
```

Example:

```
"alice"
```

Declared by:

<nixpkgs/nixos/modules/hardware/cpu/x86−msr.nix>

hardware.cpu.x86.msr.settings

Parameters for the ‘msr’ kernel module.

Type: open submodule of attribute set of (boolean or signed integer or string)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/hardware/cpu/x86−msr.nix>

hardware.cpu.x86.msr.settings.allow−writes

Whether to allow writes to MSRs (‘"on"’) or not (‘"off"’).

Type: null or one of “on”, “off”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/hardware/cpu/x86−msr.nix>

hardware.decklink.enable
Whether to enable hardware support for the Blackmagic Design Decklink audio/video interfaces.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/decklink.nix>

hardware.deviceTree.enable
Build device tree files. These are used to describe the non−discoverable hardware of a system.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/hardware/device−tree.nix>

hardware.deviceTree.dtbSource
Path to dtb directory that overlays and other processing will be applied to. Uses device trees bundled with the Linux kernel by default.

Type: absolute path

Default:

```
${cfg.kernelPackage}/dtbs
```

Declared by:
<nixpkgs/nixos/modules/hardware/device−tree.nix>

hardware.deviceTree.dtboBuildExtraIncludePaths
Additional include paths that will be passed to the preprocessor when creating the final .dts to compile into .dtbo

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[
  ./my_custom_include_dir_1
  ./custom_include_dir_2
]
```

Declared by:
<nixpkgs/nixos/modules/hardware/device−tree.nix>

hardware.deviceTree.dtboBuildExtraPreprocessorFlags

Additional flags to pass to the preprocessor during dtbo compilations

Type: list of string

Default:

```
[ ]
```

Example:

```
[ "-DMY_DTB_DEFINE" ]
```

Declared by:

<nixpkgs/nixos/modules/hardware/device-tree.nix>

hardware.deviceTree.filter

Only include .dtb files matching glob expression.

Type: null or string

Default:

```
null
```

Example:

```
"*rpi*.dtb"
```

Declared by:

<nixpkgs/nixos/modules/hardware/device-tree.nix>

hardware.deviceTree.kernelPackage

Kernel package where device tree include directory is from. Also used as default source of dtb package to apply overlays to

Type: absolute path

Default:

```
config.boot.kernelPackages.kernel
```

Example:

```
pkgs.linux_latest
```

Declared by:

<nixpkgs/nixos/modules/hardware/device-tree.nix>

hardware.deviceTree.name

The name of an explicit dtb to be loaded, relative to the dtb base. Useful in extlinux scenarios if the bootloader doesn't pick the right .dtb file from FDTDIR.

Type: null or string

Default:

```
null
```

Example:

```
"some-dtb.dtb"
```

Declared by:

<nixpkgs/nixos/modules/hardware/device-tree.nix>

hardware.deviceTree.overlays

List of overlays to apply to base device−tree (.dtb) files.

Type: list of ((submodule) or absolute path convertible to it)

Default:

```
[ ]
```

Example:

```
[
  { name = "pps"; dtsFile = ./dts/pps.dts; }
  { name = "spi";
    dtsText = "...";
  }
  { name = "precompiled"; dtboFile = ./dtbos/example.dtbo; }
]
```

Declared by:

<nixpkgs/nixos/modules/hardware/device−tree.nix>

hardware.deviceTree.overlays.*.dtboFile

Path to .dtbo compiled overlay file.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/hardware/device−tree.nix>

hardware.deviceTree.overlays.*.dtsFile

Path to .dts overlay file, overlay is applied to each .dtb file matching “compatible” of the overlay.

Type: null or absolute path

Default:

```
null
```

Example:

```
./dts/overlays.dts
```

Declared by:

<nixpkgs/nixos/modules/hardware/device−tree.nix>

hardware.deviceTree.overlays.*.dtsText

Literal DTS contents, overlay is applied to each .dtb file matching “compatible” of the overlay.

Type: null or string

Default:

```
null
```

Example:

```
  /dts-v1/;
  /plugin/;
  / {
          compatible = "raspberrypi";
  };
  &{/soc} {
```

```
                pps {
                        compatible = "pps-gpio";
                        status = "okay";
                };
        };
```

Declared by:
<nixpkgs/nixos/modules/hardware/device-tree.nix>

hardware.deviceTree.overlays.*.filter
Only apply to .dtb files matching glob expression.

Type: null or string

Default:

```
null
```

Example:

```
"*rpi*.dtb"
```

Declared by:
<nixpkgs/nixos/modules/hardware/device-tree.nix>

hardware.deviceTree.overlays.*.name
Name of this overlay

Type: string

Declared by:
<nixpkgs/nixos/modules/hardware/device-tree.nix>

hardware.digitalbitbox.enable
Enables udev rules for Digital Bitbox devices.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/hardware/digitalbitbox.nix>

hardware.digitalbitbox.package
The digitalbitbox package to use. This can be used to install a package with udev rules that differ from the defaults.

Type: package

Default:

```
pkgs.digitalbitbox
```

Declared by:
<nixpkgs/nixos/modules/hardware/digitalbitbox.nix>

hardware.display.edid.enable
Enables handling of EDID files

Type: boolean

Default:

```
config.hardware.display.edid.packages != null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/display.nix>

hardware.display.edid.packages
List of packages containing EDID binary files at ‘$out/lib/firmware/edid’. Such files will be available for use in ‘drm.edid_firmware’ kernel parameter as ‘edid/<filename>’.

You can craft one directly here or use sibling options ‘linuxhw’ and ‘modelines’.

Type: list of package

Default:

```
[ ]
```

Example:

```
[
  (pkgs.runCommand "edid-custom" {} ''
    mkdir -p "$out/lib/firmware/edid"
    base64 -d > "$out/lib/firmware/edid/custom1.bin" <<'EOF'
    <insert your base64 encoded EDID file here `base64 < /sys/class \
/drm/card0-.../edid`>
    EOF
  '')
]
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/display.nix>

hardware.display.edid.linuxhw
Exposes EDID files from users-sourced database at **https://github.com/linuxhw/EDID**

Attribute names will be mapped to EDID filenames ‘<NAME>.bin’.

Attribute values are lists of ‘awk’ regexp patterns that (together) must match exactly one line in either of:

- **AnalogDisplay.md**
- **DigitalDisplay.md**

There is no universal way of locating your device config, but here are some practical tips:

1. locate your device:
   - find your model number (second column)
   - locate manufacturer (first column) and go through the list manually
2. narrow down results using other columns until there is only one left:
   - ‘Name’ column
   - production date (‘Made’ column)
   - resolution ‘Res’
   - screen diagonal (‘Inch’ column)
   - as a last resort use ‘ID’ from the last column

Type: attribute set of list of string

Default:

```
{ }
```

Example:

```
{
  PG278Q_2014 = [ "PG278Q" "2014" ];
}
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/display.nix>

hardware.display.edid.modelines
Attribute set of XFree86 Modelines automatically converted and exposed as ‘edid/<name>.bin’ files in initrd. See for more information:

- **https://en.wikipedia.org/wiki/XFree86_Modeline**

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  "PG278Q_60" = "    241.50   2560 2608 2640 2720   1440 1443 1448  \
1481   -hsync +vsync";
  "PG278Q_120" = "   497.75   2560 2608 2640 2720   1440 1443 1448  \
1525   +hsync -vsync";
  "U2711_60" = "     241.50   2560 2600 2632 2720   1440 1443 1448  \
1481   -hsync +vsync";
}
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/display.nix>

hardware.display.outputs
Hardware/kernel−level configuration of specific outputs.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  edid.modelines."PG278Q_60" = "241.50   2560 2608 2640 2720   1440 \
 1443 1448 1481   -hsync +vsync";
  outputs."DP-1".edid = "PG278Q_60.bin";
  outputs."DP-1".mode = "e";
}
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/display.nix>

hardware.display.outputs.<name>.edid
An EDID filename to be used for configured display, as in ‘edid/<filename>’. See for more information:

- ‘hardware.display.edid.packages’
- **https://wiki.archlinux.org/title/Kernel_mode_setting#Forcing_modes_and_EDID**

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/display.nix>

hardware.display.outputs.<name>.mode

A 'video' kernel parameter (framebuffer mode) configuration for the specific output:

```
<xres>x<yres>[M][R][-<bpp>][@<refresh>][i][m][eDd]
```

See for more information:

- **https://docs.kernel.org/fb/modedb.html**
- **https://wiki.archlinux.org/title/Kernel_mode_setting#Forcing_modes**

Type: null or string

Default:

```
null
```

Example:

```
"e"
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/display.nix>

hardware.facetimehd.enable

Whether to enable the facetimehd kernel module.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/hardware/video/webcam/facetimehd.nix>

hardware.facetimehd.withCalibration

Whether to include sensor calibration files for facetimehd. This makes colors look much better but is experimental, see **https://github.com/patjak/facetimehd/wiki/Extracting-the-sensor-calibration-files** for details.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/hardware/video/webcam/facetimehd.nix>

hardware.facter.enable

Whether to enable automatic hardware configuration using a report generated by nixos-facter.

See **https://nix-community.github.io/nixos-facter/** for more information.

Type: boolean

Default:

```
config.hardware.facter.report != { }
```

Declared by:
<nixpkgs/nixos/modules/hardware/facter>

hardware.facter.debug.nix−diff
A shell application which will produce a nix−diff of the system closure with and without facter enabled.

Type: package

Declared by:
<nixpkgs/nixos/modules/hardware/facter/debug.nix>

hardware.facter.debug.nvd
A shell application which will produce an nvd diff of the system closure with and without facter enabled.

Type: package

Declared by:
<nixpkgs/nixos/modules/hardware/facter/debug.nix>

hardware.facter.detected.bluetooth.enable
Whether to enable Enable the Facter bluetooth module.

Type: boolean

Default:

```
"hardware dependent"
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/facter/bluetooth.nix>

hardware.facter.detected.boot.disk.kernelModules
List of kernel modules that are needed to access the disk.

Type: list of string

Default:

```
"hardware dependent"
```

Declared by:
<nixpkgs/nixos/modules/hardware/facter/disk.nix>

hardware.facter.detected.boot.graphics.kernelModules
List of kernel modules to load at boot for the graphics card.

Type: list of string

Default:

```
"hardware dependent"
```

Declared by:
<nixpkgs/nixos/modules/hardware/facter/graphics>

hardware.facter.detected.boot.initrd.networking.kernelModules
List of kernel modules to include in the initrd to support networking.

Type: list of string

Default:

```
"hardware dependent"
```

Declared by:
<nixpkgs/nixos/modules/hardware/facter/networking/initrd.nix>

hardware.facter.detected.boot.keyboard.kernelModules
List of kernel modules to include in the initrd to support the keyboard.

Type: list of string

Default:

```
"hardware dependent"
```

Example:

```
[
  "usbhid"
]
```

Declared by:
<nixpkgs/nixos/modules/hardware/facter/keyboard.nix>

hardware.facter.detected.camera.ipu6.enable
Whether to enable webcams using ipu6 from Intel.

Type: boolean

Default:

```
"hardware dependent"
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/facter/camera/ipu6.nix>

hardware.facter.detected.dhcp.enable
Whether to enable Facter dhcp module.

Type: boolean

Default:

```
"hardware dependent"
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/facter/networking>

hardware.facter.detected.dhcp.interfaces
List of network interface names to configure with DHCP. Defaults to auto−detected physical interfaces.

Type: list of string

Default:

```
automatically detected from facter report
```

Example:

```
[
  "eth0"
  "wlan0"
]
```

Declared by:
<nixpkgs/nixos/modules/hardware/facter/networking>

hardware.facter.detected.fingerprint.enable
Whether to enable Fingerprint devices.

Type: boolean

Default:

```
"hardware dependent"
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/facter/fingerprint>

hardware.facter.detected.graphics.enable
Whether to enable Enable the Graphics module.

Type: boolean

Default:

```
"hardware dependent"
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/facter/graphics>

hardware.facter.detected.graphics.amd.enable
Whether to enable Enable the AMD Graphics module.

Type: boolean

Default:

```
"hardware dependent"
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/facter/graphics/amd.nix>

hardware.facter.detected.networking.intel._2200BG.enable
Whether to enable the Facter Intel 2200BG module.

Type: boolean

Default:

```
"hardware dependent"
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/facter/networking/intel.nix>

hardware.facter.detected.networking.intel._3945ABG.enable
Whether to enable the Facter Intel 3945ABG module.

Type: boolean

Default:

```
"hardware dependent"
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/facter/networking/intel.nix>

hardware.facter.detected.uefi.supported
Whether to enable the facter uefi module.

Type: boolean

Default:

```
"hardware dependent"
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/facter/boot.nix>

hardware.facter.detected.virtualisation.hyperv.enable
Whether to enable Enable the Facter Virtualisation Hyper−V module.

Type: boolean

Default:

```
"environment dependent"
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/facter/virtualisation.nix>

hardware.facter.detected.virtualisation.none.enable
Whether to enable Enable the Facter Virtualisation None module.

Type: boolean

Default:

```
"environment dependent"
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/facter/virtualisation.nix>

hardware.facter.detected.virtualisation.oracle.enable
Whether to enable Enable the Facter Virtualisation Oracle module.

Type: boolean

Default:

```
"environment dependent"
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/facter/virtualisation.nix>

hardware.facter.detected.virtualisation.parallels.enable
Whether to enable Enable the Facter Virtualisation Parallels module.

Type: boolean

Default:

```
"environment dependent"
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/facter/virtualisation.nix>

hardware.facter.detected.virtualisation.qemu.enable
Whether to enable Enable the Facter Virtualisation Qemu module.

Type: boolean

Default:

```
"environment dependent"
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/facter/virtualisation.nix>

hardware.facter.detected.virtualisation.virtio_scsi.enable
Whether to enable Enable the Facter Virtualisation Virtio SCSI module.

Type: boolean

Default:

```
"hardware dependent"
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/facter/virtualisation.nix>

hardware.facter.report
Hardware report data generated by nixos−facter.

See **https://nix−community.github.io/nixos−facter/** for more information.

Type: attribute set of anything

Default:

```
"A JSON import from config.hardware.facter.reportPath (if not null) \
, {} otherwise."
```

Declared by:
<nixpkgs/nixos/modules/hardware/facter>

hardware.facter.reportPath
Path to a hardware report generated by nixos−facter.

To generate a report, run the following as root:

```
nix−shell −p nixos−facter −−run nixos−facter > facter.json
```

See **https://nix−community.github.io/nixos−facter/** for more information.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/hardware/facter>

hardware.fancontrol.enable
Whether to enable software fan control (requires fancontrol.config).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/fancontrol.nix>

hardware.fancontrol.config
Required fancontrol configuration file content. See **pwmconfig**(8) from the lm_sensors package.

Type: strings concatenated with "\n"

Example:

```
  # Configuration file generated by pwmconfig
  INTERVAL=10
  DEVPATH=hwmon3=devices/virtual/thermal/thermal_zone2 hwmon4=devic \
es/platform/f71882fg.656
  DEVNAME=hwmon3=soc_dts1 hwmon4=f71869a
  FCTEMPS=hwmon4/device/pwm1=hwmon3/temp1_input
  FCFANS=hwmon4/device/pwm1=hwmon4/device/fan1_input
  MINTEMP=hwmon4/device/pwm1=35
  MAXTEMP=hwmon4/device/pwm1=65
  MINSTART=hwmon4/device/pwm1=150
  MINSTOP=hwmon4/device/pwm1=0
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/fancontrol.nix>

hardware.firmware
List of packages containing firmware files. Such files will be loaded automatically if the kernel asks for them (i.e., when it has detected specific hardware that requires firmware to function). If multiple packages contain firmware files with the same name, the first package in the list takes precedence. Note that you must rebuild your system if you add files to any of these directories.

Type: list of package

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/udev.nix>

hardware.firmwareCompression

Whether to compress firmware files. Defaults depend on the kernel version. For kernels older than 5.3, firmware files are not compressed. For kernels 5.3 and newer, firmware files are compressed with xz. For kernels 5.19 and newer, firmware files are compressed with zstd.

Type: one of “xz”, “zstd”, “none”

Default:

```
"auto"
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/udev.nix>

hardware.flipperzero.enable

Whether to enable udev rules and software for Flipper Zero devices.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/hardware/flipperzero.nix>

hardware.flirc.enable

Whether to enable software to configure a Flirc USB device.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/hardware/flirc.nix>

hardware.fw−fanctrl.enable

Whether to enable the fw−fanctrl systemd service and install the needed packages.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/hardware/fw−fanctrl.nix>

hardware.fw−fanctrl.package

The fw−fanctrl package to use.

Type: package

Default:

```
pkgs.fw−fanctrl
```

Declared by:

<nixpkgs/nixos/modules/hardware/fw−fanctrl.nix>

hardware.fw−fanctrl.config

Additional config entries for the fw−fanctrl service (documentation: **https://github.com/TamtamHero/fw−fanctrl/blob/main/doc/configuration.md**)

Type: open submodule of attribute set of (JSON value)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/hardware/fw−fanctrl.nix>

hardware.fw−fanctrl.config.defaultStrategy

Default strategy to use

Type: string

Default:

```
"lazy"
```

Declared by:

<nixpkgs/nixos/modules/hardware/fw−fanctrl.nix>

hardware.fw−fanctrl.config.strategies

Additional strategies which can be used by fw−fanctrl

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/hardware/fw−fanctrl.nix>

hardware.fw−fanctrl.config.strategies.<name>.fanSpeedUpdateFrequency

How often the fan speed should be updated in seconds

Type: unsigned integer, meaning >=0

Default:

```
5
```

Declared by:

<nixpkgs/nixos/modules/hardware/fw−fanctrl.nix>

hardware.fw−fanctrl.config.strategies.<name>.movingAverageInterval

Interval (seconds) of the last temperatures to use to calculate the average temperature

Type: unsigned integer, meaning >=0

Default:

```
25
```

Declared by:
<nixpkgs/nixos/modules/hardware/fw−fanctrl.nix>

hardware.fw−fanctrl.config.strategies.<name>.speedCurve
How should the speed curve look like

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/hardware/fw−fanctrl.nix>

hardware.fw−fanctrl.config.strategies.<name>.speedCurve.*.speed
Percent how fast the fan should run at

Type: integer between 0 and 100 (both inclusive)

Default:

Declared by:
<nixpkgs/nixos/modules/hardware/fw−fanctrl.nix>

hardware.fw−fanctrl.config.strategies.<name>.speedCurve.*.temp
Temperature in °C at which the fan speed should be changed

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/hardware/fw−fanctrl.nix>

hardware.fw−fanctrl.config.strategyOnDischarging
Default strategy on discharging

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/hardware/fw−fanctrl.nix>

hardware.fw−fanctrl.disableBatteryTempCheck
Disable checking battery temperature sensor

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/hardware/fw−fanctrl.nix>

hardware.fw−fanctrl.ectoolPackage
The fw−ectool package to use.

Type: package

Default:

```
pkgs.fw-ectool
```

Declared by:
<nixpkgs/nixos/modules/hardware/fw−fanctrl.nix>

hardware.glasgow.enable
Enables Glasgow udev rules and ensures ‘plugdev’ group exists. This is a prerequisite to using Glasgow without being root.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/hardware/glasgow.nix>

hardware.gpgSmartcards.enable
Whether to enable udev rules for gnupg smart cards.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/gpgsmartcards.nix>

hardware.graphics.enable
Whether to enable hardware accelerated graphics drivers.

This is required to allow most graphical applications and environments to use hardware rendering, video encode/decode acceleration, etc.

This option should be enabled by default by the corresponding modules, so you do not usually have to set it yourself.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/hardware/graphics.nix>

hardware.graphics.enable32Bit
On 64−bit systems, whether to also install 32−bit drivers for 32−bit applications (such as Wine).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/hardware/graphics.nix>

hardware.graphics.package
The package that provides the default driver set.

Type: package

Declared by:
<nixpkgs/nixos/modules/hardware/graphics.nix>

hardware.graphics.package32
The package that provides the 32−bit driver set. Used when **enable32Bit** is enabled.

Type: package

Declared by:
<nixpkgs/nixos/modules/hardware/graphics.nix>

hardware.graphics.extraPackages
Additional packages to add to the default graphics driver lookup path. This can be used to add OpenCL drivers, VA−API/VDPAU drivers, etc.

Note
intel−media−driver supports hardware Broadwell (2014) or newer. Older hardware should use the mostly unmaintained intel−vaapi−driver driver.

Type: list of package

Default:

```
[ ]
```

Example:

```
with pkgs; [ intel-media-driver intel-ocl intel-vaapi-driver ]
```

Declared by:
<nixpkgs/nixos/modules/hardware/graphics.nix>

hardware.graphics.extraPackages32
Additional packages to add to 32−bit graphics driver lookup path on 64−bit systems. Used when **enable32Bit** is set. This can be used to add OpenCL drivers, VA−API/VDPAU drivers, etc.

Note
intel−media−driver supports hardware Broadwell (2014) or newer. Older hardware should use the mostly unmaintained intel−vaapi−driver driver.

Type: list of package

Default:

```
[ ]
```

Example:

```
with pkgs.pkgsi686Linux; [ intel-media-driver intel-vaapi-drive \
r ]
```

Declared by:
<nixpkgs/nixos/modules/hardware/graphics.nix>

hardware.hackrf.enable
Enables hackrf udev rules and ensures ‘plugdev’ group exists. This is a prerequisite to using HackRF devices without being root, since HackRF USB descriptors will be owned by plugdev through udev. Ensure your user is a member of the ‘plugdev’ group after enabling.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/hardware/hackrf.nix>

hardware.hid−fanatecff.enable
Whether to enable hid−fanatecff, a Linux kernel driver that aims to add support for Fanatec devices.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/hid−fanatecff.nix>

hardware.i2c.enable
Whether to enable i2c devices support. By default access is granted to users in the “i2c” group (will be created if non−existent) and any user with a seat, meaning logged on the computer locally .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/i2c.nix>

hardware.i2c.group
Grant access to i2c devices (/dev/i2c−*) to users in this group.

Type: string

Default:

```
"i2c"
```

Declared by:
<nixpkgs/nixos/modules/hardware/i2c.nix>

hardware.infiniband.enable
Whether to enable Infiniband support.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/infiniband.nix>

hardware.infiniband.guids

A list of infiniband port guids on the system. This is discoverable using ‘ibstat −p’

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "0xe8ebd30000eee2e1"
]
```

Declared by:

<nixpkgs/nixos/modules/hardware/infiniband.nix>

hardware.inputmodule.enable

Whether to enable Support for Framework input modules.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/hardware/inputmodule.nix>

hardware.intel−gpu−tools.enable

Whether to enable a setcap wrapper for intel−gpu−tools.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/hardware/video/intel−gpu−tools.nix>

hardware.ipu6.enable

Whether to enable support for Intel IPU6/MIPI cameras.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/hardware/video/webcam/ipu6.nix>

hardware.ipu6.platform

Choose the version for your hardware platform.

Use ‘ipu6’ for Tiger Lake, ‘ipu6ep’ for Alder Lake or Raptor Lake, and ‘ipu6epmtl’ for Meteor Lake.

Type: one of “ipu6”, “ipu6ep”, “ipu6epmtl”

Declared by:

<nixpkgs/nixos/modules/hardware/video/webcam/ipu6.nix>

hardware.ipu6.videoDeviceNumber

v4l2loopback device number for the relay output (‘/dev/videoN’).

Must be fixed so application camera permission grants, which are keyed to the PipeWire node name (derived from the sysfs device path), survive reboots. Choose a number above the IPU6 raw node range (typically 3−34) and any other v4l2loopback devices on the system.

Type: signed integer

Default:

```
50
```

Declared by:

<nixpkgs/nixos/modules/hardware/video/webcam/ipu6.nix>

hardware.keyboard.qmk.enable

Whether to enable non−root access to the firmware of QMK keyboards.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/hardware/keyboard/qmk.nix>

hardware.keyboard.qmk.keychronSupport

Whether to enable udev rules for keychron QMK based keyboards.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/hardware/keyboard/qmk.nix>

hardware.keyboard.teck.enable

Whether to enable non−root access to the firmware of TECK keyboards.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/keyboard/teck.nix>

hardware.keyboard.uhk.enable
Whether to enable non−root access to the firmware of UHK keyboards. You need it when you want to flash a new firmware on the keyboard. Access to the keyboard is granted to users in the “input” group. You may want to install the uhk−agent package .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/keyboard/uhk.nix>

hardware.keyboard.zsa.enable
Whether to enable udev rules for keyboards from ZSA like the ErgoDox EZ, Planck EZ and Moonlander Mark I. You need it when you want to flash a new configuration on the keyboard or use their live training in the browser. You may want to install the wally−cli package .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/keyboard/zsa.nix>

hardware.kryoflux.enable
Enables kryoflux udev rules, ensures ‘floppy’ group exists. This is a prerequisite to using devices supported by kryoflux without being root, since kryoflux device descriptors will be owned by floppy through udev.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/hardware/kryoflux.nix>

hardware.kryoflux.package
The kryoflux package to use.

Type: package

Default:

```
pkgs.kryoflux
```

Declared by:
<nixpkgs/nixos/modules/hardware/kryoflux.nix>

hardware.ksm.enable

Whether to enable Linux kernel Same−Page Merging.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/hardware/ksm.nix>

hardware.ksm.sleep

How many milliseconds ksmd should sleep between scans. Setting it to ‘null’ uses the kernel’s default time.

Type: null or signed integer

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/hardware/ksm.nix>

hardware.ledger.enable

Whether to enable udev rules for Ledger devices.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/hardware/ledger.nix>

hardware.libftdi.enable

Whether to enable udev rules for devices supported by libftdi.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/hardware/libftdi.nix>

hardware.libftdi.package

The libftdi1 package to use.

Type: package

Default:

```
pkgs.libftdi1
```

Declared by:
<nixpkgs/nixos/modules/hardware/libftdi.nix>

hardware.libjaylink.enable
Whether to enable udev rules for devices supported by libjaylink. Add users to the ‘jlink’ group in order to grant them access .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/libjaylink.nix>

hardware.libjaylink.package
The libjaylink package to use.

Type: package

Default:

```
pkgs.libjaylink
```

Declared by:
<nixpkgs/nixos/modules/hardware/libjaylink.nix>

hardware.logitech.lcd.enable
Whether to enable support for Logitech LCD Devices.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/logitech.nix>

hardware.logitech.lcd.devices
List of USB device ids supported by g15daemon.

You most likely do not need to change this.

Type: list of string

Default:

```
[
  "0a07"
  "c222"
  "c225"
  "c227"
  "c251"
]
```

Declared by:
<nixpkgs/nixos/modules/hardware/logitech.nix>

hardware.logitech.lcd.startWhenNeeded
Only run the service when an actual supported device is plugged.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/logitech.nix>

hardware.logitech.wireless.enable
Whether to enable support for Logitech Wireless Devices.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/logitech.nix>

hardware.logitech.wireless.enableGraphical
Enable graphical support applications.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/hardware/logitech.nix>

hardware.mcelog.enable
Enable the Machine Check Exception logger.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/hardware/mcelog.nix>

hardware.mwProCapture.enable
Whether to enable the Magewell Pro Capture family kernel module.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/video/capture/mwprocapture.nix>

hardware.new−lg4ff.enable
Enables improved Linux module drivers for Logitech driving wheels. This will replace the existing in−kernel hid−logitech modules. Works most notably on the Logitech G25, G27, G29 and Driving Force (GT).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/hardware/new−lg4ff.nix>

hardware.nfc−nci.enable
Whether to enable PN5xx kernel module with udev rules, libnfc−nci userland, and optional ifdnfc−nci PC/SC driver.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/nfc−nci.nix>

hardware.nfc−nci.enableIFD
Register ifdnfc−nci as a serial reader with pcscd.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/nfc−nci.nix>

hardware.nfc−nci.settings
Configuration to be written to the libncf−nci configuration files. To understand the configuration format, refer to **https://github.com/NXPNFCLinux/linux_libnfc−nci/tree/master/conf**.

Type: attribute set

Default:

```
{
  init = {
    NXPLOG_EXTNS_LOGLEVEL = "0x01";
    NXPLOG_FWDNLD_LOGLEVEL = "0x00";
    NXPLOG_GLOBAL_LOGLEVEL = "0x01";
    NXPLOG_NCIHAL_LOGLEVEL = "0x01";
    NXPLOG_NCIR_LOGLEVEL = "0x01";
    NXPLOG_NCIX_LOGLEVEL = "0x01";
    NXPLOG_TML_LOGLEVEL = "0x01";
    NXP_ACT_PROP_EXTN = "{2F, 02, 00}";
    NXP_CORE_STANDBY = "{2F, 00, 01, 01}";
    NXP_I2C_FRAGMENTATION_ENABLED = "0x01";
```

```
  NXP_NFC_DEV_NODE = "\"/dev/pn544\"";
  NXP_NFC_PROFILE_EXTN = ''
    {20, 02, 05, 01,
      A0, 44, 01, 00
    }
  '';
};
nci = {
  APPL_TRACE_LEVEL = "0x01";
  HOST_LISTEN_TECH_MASK = "0x07";
  P2P_LISTEN_TECH_MASK = "0xC5";
  POLLING_TECH_MASK = "0xEF";
  PROTOCOL_TRACE_LEVEL = "0x01";
};
pn54x = {
  MIFARE_READER_ENABLE = "0x01";
  NXP_CORE_CONF = ''
    {20, 02, 2B, 0D,
      28, 01, 00,
      21, 01, 00,
      30, 01, 08,
      31, 01, 03,
      33, 04, 04, 03, 02, 01,
      54, 01, 06,
      50, 01, 02,
      5B, 01, 00,
      60, 01, 0E,
      80, 01, 01,
      81, 01, 01,
      82, 01, 0E,
      18, 01, 01
    }
  '';
  NXP_CORE_CONF_EXTN = ''
    {20, 02, 30, 04,
      A0, 5E, 01, 01,
      A0, 40, 01, 00,
      A0, 43, 01, 00,
      A0, 0F, 20,
      00, 03, 1D, 01, 03, 00, 02, 00,
      01, 00, 01, 00, 00, 00, 00, 00,
      00, 00, 00, 00, 00, 00, 00, 00,
      00, 00, 00, 00, 00, 00, 00, 00
    }
  '';
  NXP_EXT_TVDD_CFG = "0x01";
  NXP_EXT_TVDD_CFG_1 = ''
    {20, 02, 07, 01,
      A0, 0E, 03, 16, 09, 00
    }
  '';
  NXP_NFC_MAX_EE_SUPPORTED = "0x00";
  NXP_NFC_PROPRIETARY_CFG = "{05:FF:FF:06:81:80:70:FF:FF}";
```

```
        NXP_SYS_CLK_FREQ_SEL = "0x00";
        NXP_SYS_CLK_SRC_SEL = "0x01";
        NXP_SYS_CLOCK_TO_CFG = "0x01";
      };
    }
```

Declared by:
<nixpkgs/nixos/modules/hardware/nfc−nci.nix>

hardware.nitrokey.enable
Enables udev rules for Nitrokey devices.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/hardware/nitrokey.nix>

hardware.nvidia.enabled
True if NVIDIA support is enabled

Type: boolean *(read only)*

Default: true if NVIDIA support is enabled

Declared by:
<nixpkgs/nixos/modules/hardware/video/nvidia.nix>

hardware.nvidia.package
The NVIDIA driver package to use.

Prefer using **hardware.nvidia.branch** when possible.

If you set this option, it is recommended to pick a package from ‘config.boot.kernelPackages.nvidiaPackages’ so the driver build matches your configured kernel.

For custom versions, you can use ‘nvidiaPackages.mkDriver’; see ‘pkgs/os−specific/linux/nvidia−x11/default.nix’ for examples.

Type: package

Default:

```
config.boot.kernelPackages.nvidiaPackages.${config.hardware.nvidia. \
branch}
```

Example:

```
config.boot.kernelPackages.nvidiaPackages.legacy_470
```

Declared by:
<nixpkgs/nixos/modules/hardware/video/nvidia.nix>

hardware.nvidia.branch
The branch of the NVIDIA driver to use.

Note: if **hardware.nvidia.package** is set, it overrides this option.

Commonly interesting branches for end users:

- production, new_feature, beta: NVIDIA’s official production / new feature / beta release branches.
- stable: The default; the highest stable version.
- latest: Whichever is newer of ‘production’ and ‘new_feature’.

- bleeding_edge: Whichever is newer of ‘latest’ and ‘beta’.
- legacy_580: The long−lived 580 series (LTSB), for GPUs that newer driver branches no longer support (often Maxwell through Volta; roughly GeForce GTX 9xx through 10xx, plus rare Volta cards like TITAN V).
- vulkan_beta: The Vulkan developer beta driver, for users interested in testing new Vulkan features.

Type: one of the available driver branches in `pkgs/os−specific/linux/nvidia−x11/default.nix`

Default:

```
if config.hardware.nvidia.datacenter.enable then "dc" else "stable"
```

Example:

```
"bleeding_edge"
```

Declared by:
<nixpkgs/nixos/modules/hardware/video/nvidia.nix>

hardware.nvidia.datacenter.enable

Whether to enable Data Center drivers for NVIDIA cards on a NVLink topology .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/video/nvidia.nix>

hardware.nvidia.datacenter.settings

Additional configuration options for fabricmanager.

Type: attribute set of (atom (null, bool, int, float or string))

Default:

```
{
  LOG_LEVEL=4;
  LOG_FILE_NAME="/var/log/fabricmanager.log";
  LOG_APPEND_TO_LOG=1;
  LOG_FILE_MAX_SIZE=1024;
  LOG_USE_SYSLOG=0;
  DAEMONIZE=1;
  BIND_INTERFACE_IP="127.0.0.1";
  STARTING_TCP_PORT=16000;
  FABRIC_MODE=0;
  FABRIC_MODE_RESTART=0;
  STATE_FILE_NAME="/var/tmp/fabricmanager.state";
  FM_CMD_BIND_INTERFACE="127.0.0.1";
  FM_CMD_PORT_NUMBER=6666;
  FM_STAY_RESIDENT_ON_FAILURES=0;
  ACCESS_LINK_FAILURE_MODE=0;
  TRUNK_LINK_FAILURE_MODE=0;
  NVSWITCH_FAILURE_MODE=0;
  ABORT_CUDA_JOBS_ON_FM_EXIT=1;
}
```

Declared by:
<nixpkgs/nixos/modules/hardware/video/nvidia.nix>

hardware.nvidia.dynamicBoost.enable
Whether to enable dynamic Boost balances power between the CPU and the GPU for improved performance on supported laptops using the nvidia−powerd daemon. For more information, see the NVIDIA docs, on Chapter 23. Dynamic Boost on Linux .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/video/nvidia.nix>

hardware.nvidia.forceFullCompositionPipeline
Whether to enable forcefully the full composition pipeline. This sometimes fixes screen tearing issues. This has been reported to reduce the performance of some OpenGL applications and may produce issues in WebGL. It also drastically increases the time the driver needs to clock down after load .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/video/nvidia.nix>

hardware.nvidia.gsp.enable
Whether to enable the GPU System Processor (GSP) on the video card .

Type: boolean

Default:

```
config.hardware.nvidia.open == true || lib.versionAtLeast config.ha \
rdware.nvidia.package.version "555"
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/video/nvidia.nix>

hardware.nvidia.modesetting.enable
Whether to enable kernel modesetting when using the NVIDIA proprietary driver.

Enabling this fixes screen tearing when using Optimus via PRIME (see **hardware.nvidia.prime.sync.enable**. This is not enabled by default because it is not officially supported by NVIDIA and would not work with SLI.

Enabling this and using version 545 or newer of the proprietary NVIDIA driver causes it to provide its own framebuffer device, which can cause Wayland compositors to work when they otherwise wouldn’t. .

Type: boolean

Default:

```
lib.versionAtLeast cfg.package.version "535"
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/video/nvidia.nix>

hardware.nvidia.moduleParams
Additional parameters to pass to the NVIDIA kernel module.

Type: attribute set of attribute set of raw value

Default:

```
{ }
```

Example:

```
{
  nvidia = {
    NVreg_UsePageAttributeTable = 1;
    NVreg_RegistryDwords = "EnableBrightnessControl=1"
  };
}
```

Declared by:
<nixpkgs/nixos/modules/hardware/video/nvidia.nix>

hardware.nvidia.nvidiaPersistenced
Whether to enable nvidia−persistenced a update for NVIDIA GPU headless mode, i.e. It ensures all GPUs stay awake even during headless mode .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/video/nvidia.nix>

hardware.nvidia.nvidiaSettings
Whether to enable nvidia−settings, NVIDIA's GUI configuration tool .

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/video/nvidia.nix>

hardware.nvidia.open

Whether to enable the open source NVIDIA kernel module.

Type: null or boolean

Default:

```
if lib.versionOlder config.hardware.nvidia.package.version "560" th \
en false else null
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/hardware/video/nvidia.nix>

hardware.nvidia.powerManagement.enable

Whether to enable experimental power management through systemd. For more information, see the NVIDIA docs, on Chapter 21. Configuring Power Management Support .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/hardware/video/nvidia.nix>

hardware.nvidia.powerManagement.finegrained

Whether to enable experimental power management of PRIME offload. For more information, see the NVIDIA docs, on Chapter 22. PCI−Express Runtime D3 (RTD3) Power Management .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/hardware/video/nvidia.nix>

hardware.nvidia.powerManagement.kernelSuspendNotifier

Whether to enable NVIDIA driver support for kernel suspend notifiers, which allows the driver to be notified of suspend and resume events by the kernel, rather than relying on systemd services. Requires NVIDIA driver version 595 or newer, and the open source kernel modules. .

Type: boolean

Default:

```
config.hardware.nvidia.open == true && lib.versionAtLeast config.ha \
rdware.nvidia.package.version "595"
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/video/nvidia.nix>

hardware.nvidia.prime.allowExternalGpu
Whether to enable configuring X to allow external NVIDIA GPUs when using Prime [Reverse] sync optimus .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/video/nvidia.nix>

hardware.nvidia.prime.amdgpuBusId
Bus ID of the AMD APU. You can find it using lspci; for example if lspci shows the AMD APU at "0001:02:03.4", set this option to "PCI:2@1:3:4".

lspci might omit the PCI domain (0001 in above example) if it is zero. In which case, use "@0" instead.

Please be aware that this option takes decimal address while lspci reports hexadecimal address. So for device at domain "10000", use "@65536".

Type: string matching the pattern ([[:print:]]+:[0−9]{1,3}(@[0−9]{1,10})?:[0−9]{1,2}:[0−9])?

Default:

```
""
```

Example:

```
"PCI:4@0:0:0"
```

Declared by:
<nixpkgs/nixos/modules/hardware/video/nvidia.nix>

hardware.nvidia.prime.intelBusId
Bus ID of the Intel GPU. You can find it using lspci; for example if lspci shows the Intel GPU at "0001:02:03.4", set this option to "PCI:2@1:3:4".

lspci might omit the PCI domain (0001 in above example) if it is zero. In which case, use "@0" instead.

Please be aware that this option takes decimal address while lspci reports hexadecimal address. So for device at domain "10000", use "@65536".

Type: string matching the pattern ([[:print:]]+:[0−9]{1,3}(@[0−9]{1,10})?:[0−9]{1,2}:[0−9])?

Default:

```
""
```

Example:

```
"PCI:0@0:2:0"
```

Declared by:
<nixpkgs/nixos/modules/hardware/video/nvidia.nix>

hardware.nvidia.prime.nvidiaBusId

Bus ID of the NVIDIA GPU. You can find it using lspci; for example if lspci shows the NVIDIA GPU at "0001:02:03.4", set this option to "PCI:2@1:3:4".

lspci might omit the PCI domain (0001 in above example) if it is zero. In which case, use "@0" instead.

Please be aware that this option takes decimal address while lspci reports hexadecimal address. So for device at domain "10000", use "@65536".

Type: string matching the pattern ([[:print:]]+:[0−9]{1,3}(@[0−9]{1,10})?:[0−9]{1,2}:[0−9])?

Default:

```
""
```

Example:

```
"PCI:1@0:0:0"
```

Declared by:

<nixpkgs/nixos/modules/hardware/video/nvidia.nix>

hardware.nvidia.prime.offload.enable

Whether to enable render offload support using the NVIDIA proprietary driver via PRIME.

If this is enabled, then the bus IDs of the NVIDIA and Intel/AMD GPUs have to be specified (**hardware.nvidia.prime.nvidiaBusId** and **hardware.nvidia.prime.intelBusId** or **hardware.nvidia.prime.amdgpuBusId**) .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/hardware/video/nvidia.nix>

hardware.nvidia.prime.offload.enableOffloadCmd

Whether to enable adding a 'nvidia−offload' convenience script to **environment.systemPackages** for offloading programs to an nvidia device. To work, you must also enable **hardware.nvidia.prime.offload.enable** or **hardware.nvidia.prime.reverseSync.enable**.

Example usage: 'nvidia−offload sauerbraten_client'

This script can be renamed with **hardware.nvidia.prime.offload.enableOffloadCmd**. .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/hardware/video/nvidia.nix>

hardware.nvidia.prime.offload.offloadCmdMainProgram

Specifies the CLI name of the **hardware.nvidia.prime.offload.enableOffloadCmd** convenience script for offloading programs to an nvidia device.

Type: string

Default:

```
"nvidia-offload"
```

Example:

```
"prime-run"
```

Declared by:

<nixpkgs/nixos/modules/hardware/video/nvidia.nix>

hardware.nvidia.prime.reverseSync.enable

Whether to enable NVIDIA Optimus support using the NVIDIA proprietary driver via reverse PRIME. If enabled, the Intel/AMD GPU will be used for all rendering, while enabling output to displays attached only to the NVIDIA GPU without a multiplexer.

Warning: This feature is relatively new, depending on your system this might work poorly. AMD support, especially so. See: **https://forums.developer.nvidia.com/t/the-all-new-outputsink-feature-aka-reverse-prime/129828**

Note that this option only has any effect if the "nvidia" driver is specified in **services.xserver.videoDrivers**, and it should preferably be the only driver there.

If this is enabled, then the bus IDs of the NVIDIA and Intel/AMD GPUs have to be specified (**hardware.nvidia.prime.nvidiaBusId** and **hardware.nvidia.prime.intelBusId** or **hardware.nvidia.prime.amdgpuBusId**).

If you enable this, you may want to also enable kernel modesetting for the NVIDIA driver (**hardware.nvidia.modesetting.enable**) in order to prevent tearing.

Note that this configuration will only be successful when a display manager for which the **services.xserver.displayManager.setupCommands** option is supported is used .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/hardware/video/nvidia.nix>

hardware.nvidia.prime.reverseSync.setupCommands.enable

Whether to enable configure the display manager to be able to use the outputs attached to the NVIDIA GPU. Disable in order to configure the NVIDIA GPU outputs manually using xrandr. Note that this configuration will only be successful when a display manager for which the **services.xserver.displayManager.setupCommands** option is supported is used .

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/video/nvidia.nix>

hardware.nvidia.prime.sync.enable
Whether to enable NVIDIA Optimus support using the NVIDIA proprietary driver via PRIME. If enabled, the NVIDIA GPU will be always on and used for all rendering, while enabling output to displays attached only to the integrated Intel/AMD GPU without a multiplexer.

Note that this option only has any effect if the "nvidia" driver is specified in **services.xserver.videoDrivers**, and it should preferably be the only driver there.

If this is enabled, then the bus IDs of the NVIDIA and Intel/AMD GPUs have to be specified (**hardware.nvidia.prime.nvidiaBusId** and **hardware.nvidia.prime.intelBusId** or **hardware.nvidia.prime.amdgpuBusId**).

If you enable this, you may want to also enable kernel modesetting for the NVIDIA driver (**hardware.nvidia.modesetting.enable**) in order to prevent tearing.

Note that this configuration will only be successful when a display manager for which the **services.xserver.displayManager.setupCommands** option is supported is used .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/video/nvidia.nix>

hardware.nvidia.videoAcceleration
Whether to enable video acceleration (VA−API).

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/video/nvidia.nix>

hardware.nvidia−container−toolkit.enable
Enable dynamic CDI configuration for Nvidia devices by running nvidia−container−toolkit on boot.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/nvidia−container−toolkit>

hardware.nvidia−container−toolkit.enable−hooks

List of hooks to enable when generating the CDI specification. Each hook name will be passed as '−−enable−hook <hook−name>' to nvidia−ctk. Set to an empty list to enable no hooks.

Type: list of non−empty string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/nvidia−container−toolkit>

hardware.nvidia−container−toolkit.package

The nvidia−container−toolkit package to use.

Type: package

Default:

```
pkgs.nvidia-container-toolkit
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/nvidia−container−toolkit>

hardware.nvidia−container−toolkit.csv−files

The path to the list of CSV files to use when generating the CDI specification in CSV mode.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/nvidia−container−toolkit>

hardware.nvidia−container−toolkit.device−name−strategy

Specify the strategy for generating device names, passed to 'nvidia−ctk cdi generate'. This will affect how you reference the device using 'nvidia.com/gpu=' in the container runtime.

Type: one of "index", "uuid", "type−index"

Default:

```
"index"
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/nvidia−container−toolkit>

hardware.nvidia−container−toolkit.disable−hooks

List of hooks to disable when generating the CDI specification. Each hook name will be passed as '−−disable−hook <hook−name>' to nvidia−ctk. Set to an empty list to disable no hooks.

Type: list of non−empty string

Default:

```
[
  "create-symlinks"
]
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/nvidia−container−toolkit>

hardware.nvidia−container−toolkit.discovery−mode
The mode to use when discovering the available entities.

Type: one of “auto”, “csv”, “nvml”, “wsl”

Default:

```
"auto"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/nvidia−container−toolkit>

hardware.nvidia−container−toolkit.extraArgs
Extra arguments to be passed to nvidia−ctk.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/nvidia−container−toolkit>

hardware.nvidia−container−toolkit.mount−nvidia−docker−1−directories
Mount nvidia−docker−1 directories on containers: /usr/local/nvidia/lib and /usr/local/nvidia/lib64.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/nvidia−container−toolkit>

hardware.nvidia−container−toolkit.mount−nvidia−executables
Mount executables nvidia−smi, nvidia−cuda−mps−control, nvidia−cuda−mps−server, nvidia−debug-dump, nvidia−powerd and nvidia−ctk on containers.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/nvidia−container−toolkit>

hardware.nvidia−container−toolkit.mounts
Mounts to be added to every container under the Nvidia CDI profile.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/nvidia−container−toolkit>

hardware.nvidia−container−toolkit.mounts.*.containerPath
Container path.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/hardware/nvidia-container-toolkit>

hardware.nvidia-container-toolkit.mounts.*.hostPath
Host path.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/hardware/nvidia-container-toolkit>

hardware.nvidia-container-toolkit.mounts.*.mountOptions
Mount options.

Type: list of string

Default:

```
[
  "ro"
  "nosuid"
  "nodev"
  "bind"
]
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/nvidia-container-toolkit>

hardware.nvidia-container-toolkit.suppressNvidiaDriverAssertion
Suppress the assertion for installing Nvidia driver. Useful in WSL where drivers are mounted from Windows, not provided by NixOS.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/nvidia-container-toolkit>

hardware.nvidiaOptimus.disable
Completely disable the NVIDIA graphics card and use the integrated graphics processor instead.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/nvidia-optimus.nix>

hardware.onlykey.enable
Enable OnlyKey device (https://crp.to/p/) support.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/hardware/onlykey/default.nix>

hardware.openrazer.enable

Whether to enable OpenRazer drivers and userspace daemon .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/hardware/openrazer.nix>

hardware.openrazer.packages.daemon

The openrazer−daemon package to use.

Type: package

Default:

```
pkgs.python3Packages.openrazer−daemon
```

Declared by:

<nixpkgs/nixos/modules/hardware/openrazer.nix>

hardware.openrazer.packages.kernel

The openrazer kernel package to use.

Type: package

Default:

```
config.boot.kernelPackages.openrazer
```

Declared by:

<nixpkgs/nixos/modules/hardware/openrazer.nix>

hardware.openrazer.batteryNotifier

Settings for device battery notifications.

Type: submodule

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/hardware/openrazer.nix>

hardware.openrazer.batteryNotifier.enable

Mouse battery notifier.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/hardware/openrazer.nix>

hardware.openrazer.batteryNotifier.frequency

How often battery notifications should be shown (in seconds). A value of 0 disables notifications.

Type: signed integer

Default:

```
600
```

Declared by:

<nixpkgs/nixos/modules/hardware/openrazer.nix>

hardware.openrazer.batteryNotifier.percentage

At what battery percentage the device should reach before sending notifications.

Type: signed integer

Default:

```
33
```

Declared by:

<nixpkgs/nixos/modules/hardware/openrazer.nix>

hardware.openrazer.devicesOffOnScreensaver

Turn off the devices when the systems screensaver kicks in.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/hardware/openrazer.nix>

hardware.openrazer.keyStatistics

Collects number of keypresses per hour per key used to generate a heatmap.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/hardware/openrazer.nix>

hardware.openrazer.syncEffectsEnabled

Set the sync effects flag to true so any assignment of effects will work across devices.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/hardware/openrazer.nix>

hardware.openrazer.users

Usernames to be added to the “openrazer” group, so that they can start and interact with the OpenRazer userspace daemon.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/hardware/openrazer.nix>

hardware.openrazer.verboseLogging
Whether to enable verbose logging. Logs debug messages.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/hardware/openrazer.nix>

hardware.opentabletdriver.enable
Enable OpenTabletDriver udev rules, user service and blacklist kernel modules known to conflict with OpenTabletDriver.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/hardware/opentabletdriver.nix>

hardware.opentabletdriver.package
The opentabletdriver package to use.

Type: package

Default:

```
pkgs.opentabletdriver
```

Declared by:
<nixpkgs/nixos/modules/hardware/opentabletdriver.nix>

hardware.opentabletdriver.blacklistedKernelModules
Blacklist of kernel modules known to conflict with OpenTabletDriver.

Type: list of string

Default:

```
[
  "hid-uclogic"
  "wacom"
]
```

Declared by:
<nixpkgs/nixos/modules/hardware/opentabletdriver.nix>

hardware.opentabletdriver.daemon.enable
Whether to start OpenTabletDriver daemon as a systemd user service.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/opentabletdriver.nix>

hardware.parallels.enable

This enables Parallels Tools for Linux guests.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/parallels−guest.nix>

hardware.parallels.package

The prl−tools package to use.

Type: package

Default:

```
pkgs.prl−tools
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/parallels−guest.nix>

hardware.pcmcia.enable

Enable this option to support PCMCIA card.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/hardware/pcmcia.nix>

hardware.pcmcia.config

Path to the configuration file which maps the memory, IRQs and ports used by the PCMCIA hardware.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/hardware/pcmcia.nix>

hardware.pcmcia.firmware

List of firmware used to handle specific PCMCIA card.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/hardware/pcmcia.nix>

hardware.printers.ensureDefaultPrinter

Ensures the named printer is the default CUPS printer / printer queue.

Type: null or printable string without spaces, # and /

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/hardware/printers.nix>

hardware.printers.ensurePrinters
Will regularly ensure that the given CUPS printers are configured as declared here. If a printer's options are manually changed afterwards, they will be overwritten eventually. This option will never delete any printer, even if removed from this list. You can check existing printers with **lpstat −s** and remove printers with **lpadmin −x <printer−name>**. Printers not listed here can still be manually configured.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/hardware/printers.nix>

hardware.printers.ensurePrinters.*.description
Optional human−readable description.

Type: null or string

Default:

```
null
```

Example:

```
"Brother HL−5140"
```

Declared by:
<nixpkgs/nixos/modules/hardware/printers.nix>

hardware.printers.ensurePrinters.*.deviceUri
How to reach the printer. **lpinfo −v** shows a list of supported device URIs and schemes.

Type: string

Example:

```
"ipp://printserver.local/printers/BrotherHL_Workroom"
"usb://HP/DESKJET%20940C?serial=CN16E6C364BH"
```

Declared by:
<nixpkgs/nixos/modules/hardware/printers.nix>

hardware.printers.ensurePrinters.*.location
Optional human−readable location.

Type: null or string

Default:

```
null
```

Example:

```
"Workroom"
```

Declared by:
<nixpkgs/nixos/modules/hardware/printers.nix>

hardware.printers.ensurePrinters.*.model

Location of the ppd driver file for the printer. **lpinfo −m** shows a list of supported models.

Type: string

Example:

```
"gutenprint.${lib.versions.majorMinor (lib.getVersion pkgs.gutenpri \
nt)}://brother-hl-5140/expert"
```

Declared by:

<nixpkgs/nixos/modules/hardware/printers.nix>

hardware.printers.ensurePrinters.*.name

Name of the printer / printer queue. May contain any printable characters except “/”, “#”, and space.

Type: printable string without spaces, # and /

Example:

```
"BrotherHL_Workroom"
```

Declared by:

<nixpkgs/nixos/modules/hardware/printers.nix>

hardware.printers.ensurePrinters.*.ppdOptions

Sets PPD options for the printer. **lpoptions [−p printername] −l** shows supported PPD options for the given printer.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  Duplex = "DuplexNoTumble";
  PageSize = "A4";
}
```

Declared by:

<nixpkgs/nixos/modules/hardware/printers.nix>

hardware.raid.HPSmartArray.enable

Whether to enable HP Smart Array kernel modules and CLI utility.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/hardware/raid/hpsa.nix>

hardware.rasdaemon.enable

Whether to enable RAS logging daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/rasdaemon.nix>

hardware.rasdaemon.package
The rasdaemon package to use.

Type: package

Default:

```
pkgs.rasdaemon
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/rasdaemon.nix>

hardware.rasdaemon.config
rasdaemon configuration, currently only used for CE PFA for details, read rasdaemon.outPath/etc/sysconfig/rasdaemon's comments

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
# defaults from included config
PAGE_CE_REFRESH_CYCLE="24h"
PAGE_CE_THRESHOLD="50"
PAGE_CE_ACTION="soft"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/rasdaemon.nix>

hardware.rasdaemon.extraModules
extra kernel modules to load

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "i7core_edac"
]
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/rasdaemon.nix>

hardware.rasdaemon.labels
Additional memory module label descriptions to be placed in /etc/ras/dimm_labels.d/labels

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
# vendor and model may be shown by 'ras-mc-ctl --mainboard'
```

```
vendor: ASRock
  product: To Be Filled By O.E.M.
  model: B450M Pro4
    # these labels are names for the motherboard slots
    # the numbers may be shown by ‘ras-mc-ctl --error-count‘
    # they are mc:csrow:channel
    DDR4_A1: 0.2.0;  DDR4_B1: 0.2.1;
    DDR4_A2: 0.3.0;  DDR4_B2: 0.3.1;
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/rasdaemon.nix>

hardware.rasdaemon.mainboard
Custom mainboard description, see **ras−mc−ctl**(8) for more details.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
vendor = ASRock
model = B450M Pro4

# it should default to such values from
# /sys/class/dmi/id/board_[vendor|name]
# alternatively one can supply a script
# that returns the same format as above

script = <path to script>
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/rasdaemon.nix>

hardware.rasdaemon.record
record events via sqlite3, required for ras−mc−ctl

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/rasdaemon.nix>

hardware.rasdaemon.testing
Whether to enable error injection infrastructure.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/rasdaemon.nix>

hardware.rtl−sdr.enable

Enables rtl−sdr udev rules, ensures ‘plugdev’ group exists, and blacklists DVB kernel modules. This is a prerequisite to using devices supported by rtl−sdr without being root, since rtl−sdr USB descriptors will be owned by plugdev through udev.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/hardware/rtl−sdr.nix>

hardware.rtl−sdr.package

The rtl−sdr package to use.

Type: package

Default:

```
pkgs.rtl−sdr
```

Declared by:

<nixpkgs/nixos/modules/hardware/rtl−sdr.nix>

hardware.saleae−logic.enable

Whether to enable udev rules for Saleae Logic devices.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/hardware/saleae−logic.nix>

hardware.saleae−logic.package

Saleae Logic package to use.

Type: package

Default:

```
pkgs.saleae−logic−2
```

Declared by:

<nixpkgs/nixos/modules/hardware/saleae−logic.nix>

hardware.sane.enable

Enable support for SANE scanners.

Note

Users in the “scanner” group will gain access to the scanner, or the “lp” group if it’s also a printer.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/sane.nix>

hardware.sane.backends−package
The sane−backends package to use.

Type: package

Default:

```
pkgs.sane-backends
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/sane.nix>

hardware.sane.brscan4.enable
When enabled, will automatically register the “brscan4” sane backend and bring configuration files to their expected location.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/sane_extra_backends/brscan4.nix>

hardware.sane.brscan4.netDevices
The list of network devices that will be registered against the brscan4 sane backend.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  office1 = {
    ip = "192.168.1.2";
    model = "MFC-7860DW";
  };
  office2 = {
    model = "MFC-7860DW";
    nodename = "BRW0080927AFBCE";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/sane_extra_backends/brscan4.nix>

hardware.sane.brscan4.netDevices.<name>.ip
The ip address of the device. If undefined, you will have to provide a nodename.

Type: null or string

Default:

```
null
```

Example:

```
"192.168.1.2"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/sane_extra_backends/brscan4.nix>

hardware.sane.brscan4.netDevices.<name>.model
The model of the network device.

Type: string

Example:

```
"MFC-7860DW"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/sane_extra_backends/brscan4.nix>

hardware.sane.brscan4.netDevices.<name>.name
The friendly name you give to the network device. If undefined, the name of attribute will be used.

Type: string

Example:

```
"office1"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/sane_extra_backends/brscan4.nix>

hardware.sane.brscan4.netDevices.<name>.nodename
The node name of the device. If undefined, you will have to provide an ip.

Type: null or string

Default:

```
null
```

Example:

```
"BRW0080927AFBCE"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/sane_extra_backends/brscan4.nix>

hardware.sane.brscan5.enable
Whether to enable the Brother brscan5 sane backend.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/sane_extra_backends/brscan5.nix>

hardware.sane.brscan5.netDevices
The list of network devices that will be registered against the brscan5 sane backend.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  office1 = {
    ip = "192.168.1.2";
    model = "MFC-7860DW";
  };
  office2 = {
    model = "MFC-7860DW";
    nodename = "BRW0080927AFBCE";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/sane_extra_backends/brscan5.nix>

hardware.sane.brscan5.netDevices.<name>.ip
The ip address of the device. If undefined, you will have to provide a nodename.

Type: null or string

Default:

```
null
```

Example:

```
"192.168.1.2"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/sane_extra_backends/brscan5.nix>

hardware.sane.brscan5.netDevices.<name>.model
The model of the network device.

Type: string

Example:

```
"ADS-1200"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/sane_extra_backends/brscan5.nix>

hardware.sane.brscan5.netDevices.<name>.name
The friendly name you give to the network device. If undefined, the name of attribute will be used.

Type: string

Example:

```
"office1"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/sane_extra_backends/brscan5.nix>

hardware.sane.brscan5.netDevices.<name>.nodename
The node name of the device. If undefined, you will have to provide an ip.

Type: null or string

Default:

```
null
```

Example:

```
"BRW0080927AFBCE"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/sane_extra_backends/brscan5.nix>

hardware.sane.disabledDefaultBackends
Names of backends which are enabled by default but should be disabled. See '$SANE_CONFIG_DIR/dll.conf' for the list of possible names.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "v4l"
]
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/sane.nix>

hardware.sane.drivers.scanSnap.enable
Whether to enable drivers for the Fujitsu ScanSnap scanners.

The driver files are unfree and extracted from the Windows driver image.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/sane.nix>

hardware.sane.drivers.scanSnap.package
The epjitsu package to use. Useful if you want to extract the driver files yourself.

The process is described in the */etc/sane.d/epjitsu.conf* file in the 'sane−backends' package.

Type: package

Default:

```
pkgs.sane-drivers.epjitsu
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/sane.nix>

hardware.sane.dsseries.enable
When enabled, will automatically register the "dsseries" SANE backend.

This supports the Brother DSmobile scanner series, including the DS−620, DS−720D, DS−820W, and DS−920DW scanners.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/sane_extra_backends/dsseries.nix>

hardware.sane.extraBackends
Packages providing extra SANE backends to enable.

Note
The example contains the package for HP scanners, and the package for Apple AirScan and Microsoft WSD support (supports many vendors/devices).

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[ pkgs.hplipWithPlugin pkgs.sane-airscan ]
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/sane.nix>

hardware.sane.netConf
Network hosts that should be probed for remote scanners.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
"192.168.0.16"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/sane.nix>

hardware.sane.openFirewall
Open ports needed for discovery of scanners on the local network, e.g. needed for Canon scanners (BJNP protocol).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/sane.nix>

hardware.sane.snapshot
Use a development snapshot of SANE scanner drivers.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/sane.nix>

hardware.sata.timeout.enable

Whether to enable SATA drive timeouts.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/hardware/sata.nix>

hardware.sata.timeout.deciSeconds

Set SCT Error Recovery Control timeout in deciseconds for use in RAID configurations.

Values are as follows: 0 = disable SCT ERT 70 = default in consumer drives (7 seconds)

Maximum is disk dependant but probably 60 seconds.

Type: signed integer

Example:

```
70
```

Declared by:

<nixpkgs/nixos/modules/hardware/sata.nix>

hardware.sata.timeout.drives

List of drives for which to configure the timeout.

Type: list of (submodule)

Declared by:

<nixpkgs/nixos/modules/hardware/sata.nix>

hardware.sata.timeout.drives.*.idBy

The method to identify the drive.

Type: one of “path”, “wwn”

Default:

```
"path"
```

Declared by:

<nixpkgs/nixos/modules/hardware/sata.nix>

hardware.sata.timeout.drives.*.name

Drive name without the full path.

Type: string

Declared by:

<nixpkgs/nixos/modules/hardware/sata.nix>

hardware.sensor.hddtemp.enable

Enable this option to support HDD/SSD temperature sensors.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/hardware/sensor/hddtemp.nix>

hardware.sensor.hddtemp.dbEntries
Additional DB entries

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/hardware/sensor/hddtemp.nix>

hardware.sensor.hddtemp.drives
List of drives to monitor. If you pass /dev/disk/by−path/* entries the symlinks will be resolved as hddtemp doesn’t like names with colons.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/hardware/sensor/hddtemp.nix>

hardware.sensor.hddtemp.extraArgs
Additional arguments passed to the daemon.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/hardware/sensor/hddtemp.nix>

hardware.sensor.hddtemp.unit
Celsius or Fahrenheit

Type: one of “C”, “F”

Default:

```
"C"
```

Declared by:
<nixpkgs/nixos/modules/hardware/sensor/hddtemp.nix>

hardware.sensor.iio.enable
Enable this option to support IIO sensors with iio−sensor−proxy.

IIO sensors are used for orientation and ambient light sensors on some mobile devices.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/hardware/sensor/iio.nix>

hardware.sensor.iio.package

The iio−sensor−proxy package to use.

Type: package

Default:

```
pkgs.iio-sensor-proxy
```

Declared by:

<nixpkgs/nixos/modules/hardware/sensor/iio.nix>

hardware.sheep_net.enable

Enables sheep_net udev rules, ensures ‘sheep_net’ group exists, and adds sheep−net to boot.kernelModules and boot.extraModulePackages

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/hardware/sheep−net.nix>

hardware.spacenavd.enable

Whether to enable spacenavd to support 3DConnexion devices.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/spacenavd.nix>

hardware.steam−hardware.enable

Enable udev rules for Steam hardware such as the Steam Controller, other supported controllers and the HTC Vive

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/hardware/steam−hardware.nix>

hardware.system76.enableAll

Whether to enable all recommended configuration for system76 systems.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/system−76.nix>

hardware.system76.firmware−daemon.enable
Whether to enable the system76 firmware daemon

Type: boolean

Default:

```
config.hardware.system76.enableAll
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/system−76.nix>

hardware.system76.kernel−modules.enable
Whether to make the system76 out−of−tree kernel modules available

Type: boolean

Default:

```
config.hardware.system76.enableAll
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/system−76.nix>

hardware.system76.power−daemon.enable
Whether to enable the system76 power daemon

Type: boolean

Default:

```
config.hardware.system76.enableAll
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/system−76.nix>

hardware.tenstorrent.enable
Whether to enable Tenstorrent driver & utilities.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/tenstorrent.nix>

hardware.trackpoint.enable

Enable sensitivity and speed configuration for trackpoints.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/tasks/trackpoint.nix>

hardware.trackpoint.device

The device name of the trackpoint. You can check with xinput. Some newer devices (example x1c6) use "TPPS/2 Elan TrackPoint".

Type: string

Default:

```
"TPPS/2 IBM TrackPoint"
```

Declared by:

<nixpkgs/nixos/modules/tasks/trackpoint.nix>

hardware.trackpoint.draghys

The drag hysteresis controls how hard it is to drag with z−axis pressed.

Type: signed integer

Default:

```
255
```

Example:

```
200
```

Declared by:

<nixpkgs/nixos/modules/tasks/trackpoint.nix>

hardware.trackpoint.drift_time

This parameter controls the period of time to test for a 'hands off' condition (i.e. when no force is applied) before a drift (noise) calibration occurs.

IBM Trackpoints have a feature to compensate for drift by recalibrating themselves periodically. By default, if for 0.5 seconds there is no change in position, it's used as the new zero. This duration is too low. Often, the calibration happens when the trackpoint is in fact being used.

Type: signed integer

Default:

```
5
```

Example:

```
100
```

Declared by:

<nixpkgs/nixos/modules/tasks/trackpoint.nix>

hardware.trackpoint.emulateWheel

Enable scrolling while holding the middle mouse button.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/tasks/trackpoint.nix>

hardware.trackpoint.ext_dev
Disable or enable external pointing device.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/tasks/trackpoint.nix>

hardware.trackpoint.fakeButtons
Switch to “bare” PS/2 mouse support in case Trackpoint buttons are not recognized properly. This can happen for example on models like the L430, T450, T450s, on which the Trackpoint buttons are actually a part of the Synaptics touchpad.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/tasks/trackpoint.nix>

hardware.trackpoint.inertia
Negative inertia factor. High values cause the cursor to snap backward when the trackpoint is released.

Type: signed integer

Default:

```
6
```

Example:

```
10
```

Declared by:
<nixpkgs/nixos/modules/tasks/trackpoint.nix>

hardware.trackpoint.jenks
Minimum curvature in degrees required to generate a double click without a release.

Type: signed integer

Default:

```
135
```

Example:

```
100
```

Declared by:
<nixpkgs/nixos/modules/tasks/trackpoint.nix>

hardware.trackpoint.mindrag

Minimum amount of force needed to trigger dragging.

Type: signed integer

Default:

```
20
```

Example:

```
30
```

Declared by:

<nixpkgs/nixos/modules/tasks/trackpoint.nix>

hardware.trackpoint.press_to_select

Setting this to true will enable the Press to Select functions like tapping the control stick to simulate a left click, and setting false will disable it.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/tasks/trackpoint.nix>

hardware.trackpoint.reach

Backup range for z−axis press.

Type: signed integer

Default:

```
10
```

Example:

```
20
```

Declared by:

<nixpkgs/nixos/modules/tasks/trackpoint.nix>

hardware.trackpoint.sensitivity

Trackpoint sensitivity.

Type: signed integer

Default:

```
128
```

Example:

```
255
```

Declared by:

<nixpkgs/nixos/modules/tasks/trackpoint.nix>

hardware.trackpoint.skipback

When the skipback bit is set, backup cursor movement during releases from drags will be suppressed. The default value for this bit is 0.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/tasks/trackpoint.nix>

hardware.trackpoint.speed

Speed of the trackpoint cursor.

Type: signed integer

Default:

```
97
```

Example:

```
255
```

Declared by:

<nixpkgs/nixos/modules/tasks/trackpoint.nix>

hardware.trackpoint.thresh

Minimum value for z−axis force required to trigger a press or release, relative to the running average.

Type: signed integer

Default:

```
8
```

Example:

```
10
```

Declared by:

<nixpkgs/nixos/modules/tasks/trackpoint.nix>

hardware.trackpoint.upthresh

The offset from the running average required to generate a select (click) on z−axis on release.

Type: signed integer

Default:

```
255
```

Example:

```
250
```

Declared by:

<nixpkgs/nixos/modules/tasks/trackpoint.nix>

hardware.trackpoint.ztime

This attribute determines how sharp a press has to be in order to be recognized.

Type: signed integer

Default:

```
38
```

Example:

```
50
```

Declared by:

<nixpkgs/nixos/modules/tasks/trackpoint.nix>

hardware.tuxedo−drivers.enable

Whether to enable The tuxedo−drivers driver enables access to the following on TUXEDO notebooks:

- Driver for Fn−keys
- SysFS control of brightness/color/mode for most TUXEDO keyboards
- Hardware I/O driver for TUXEDO Control Center

For more inforation it is best to check at the source code description: **https://gitlab.com/tuxedocomputers/development/packages/tuxedo−drivers** .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/hardware/tuxedo−drivers.nix>

hardware.tuxedo−drivers.settings.charging−priority

These options manage the trade−off between battery charging and CPU performance when the USB−C power supply cannot provide sufficient power for both simultaneously:

- ‘charge_battery’ prioritizes battery charging (driver default)
- ‘performance’ prioritizes maximum CPU performance

Type: null or one of “charge_battery”, “performance”

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/hardware/tuxedo−drivers.nix>

hardware.tuxedo−drivers.settings.charging−profile

The maximum charge level to help reduce battery wear:

- ‘high_capacity’ charges to 100% (driver default)
- ‘balanced’ charges to 90%
- ‘stationary’ charges to 80% (maximum lifespan)

Note: Regardless of the configured charging profile, the operating system will always report the battery as being charged to 100%.

Type: null or one of “high_capacity”, “balanced”, “stationary”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/hardware/tuxedo-drivers.nix>

hardware.tuxedo-drivers.settings.fn-lock
Enables or disables the laptop keyboard's Function (Fn) lock at boot.

When set to 'true', the Fn lock is enabled, allowing the function keys (F1–F12) to control brightness, volume etc.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/hardware/tuxedo-drivers.nix>

hardware.tuxedo-rs.enable
Whether to enable Rust utilities for interacting with hardware from TUXEDO Computers.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/tuxedo-rs.nix>

hardware.tuxedo-rs.tailor-gui.enable
Whether to enable tailor-gui, an alternative to TUXEDO Control Center, written in Rust.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/tuxedo-rs.nix>

hardware.ubertooth.enable
Whether to enable Ubertooth software and its udev rules.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/ubertooth.nix>

hardware.ubertooth.group

Group for Ubertooth's udev rules.

Type: string

Default:

```
"ubertooth"
```

Example:

```
"wheel"
```

Declared by:

<nixpkgs/nixos/modules/hardware/ubertooth.nix>

hardware.uinput.enable

Whether to enable uinput support.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/hardware/uinput.nix>

hardware.uni−sync.enable

Whether to enable udev rules and software for Lian Li Uni Controllers.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/hardware/uni−sync.nix>

hardware.uni−sync.package

The uni−sync package to use.

Type: package

Default:

```
pkgs.uni−sync
```

Declared by:

<nixpkgs/nixos/modules/hardware/uni−sync.nix>

hardware.uni−sync.devices

List of controllers with their configurations.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
```

```
    {
      device_id = "VID:1111/PID:11111/SN:1111111111";
      sync_rgb = true;
      channels = [
        {
          mode = "PWM";
        }
        {
          mode = "Manual";
          speed = 100;
        }
        {
          mode = "Manual";
          speed = 54;
        }
        {
          mode = "Manual";
          speed = 0;
        }
      ];
    }
    {
      device_id = "VID:1010/PID:10101/SN:1010101010";
      sync_rgb = false;
      channels = [
        {
          mode = "Manual";
          speed = 0;
        }
      ];
    }
  ]
```

Declared by:

<nixpkgs/nixos/modules/hardware/uni-sync.nix>

hardware.uni-sync.devices.*.channels

List of channels connected to the controller.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    mode = "PWM";
  }
  {
    mode = "Manual";
    speed = 100;
  }
  {
    mode = "Manual";
```

```
    speed = 54;
  }
  {
    mode = "Manual";
    speed = 0;
  }
]
```

Declared by:
<nixpkgs/nixos/modules/hardware/uni-sync.nix>

hardware.uni-sync.devices.*.channels.*.mode
"PWM" to enable PWM sync. "Manual" to set speed.

Type: one of "Manual", "PWM"

Default:

```
"Manual"
```

Example:

```
"PWM"
```

Declared by:
<nixpkgs/nixos/modules/hardware/uni-sync.nix>

hardware.uni-sync.devices.*.channels.*.speed
Fan speed as percentage (clamped between 0 and 100).

Type: signed integer

Default:

```
"50"
```

Example:

```
"100"
```

Declared by:
<nixpkgs/nixos/modules/hardware/uni-sync.nix>

hardware.uni-sync.devices.*.device_id
Unique device ID displayed at each startup.

Type: string

Example:

```
"VID:1111/PID:11111/SN:1111111111"
```

Declared by:
<nixpkgs/nixos/modules/hardware/uni-sync.nix>

hardware.uni-sync.devices.*.sync_rgb
Enable ARGB header sync.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/uni−sync.nix>

hardware.usb−modeswitch.enable
Enable this option to support certain USB WLAN and WWAN adapters.

These network adapters initial present themselves as Flash Drives containing their drivers. This option enables automatic switching to the networking mode.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/hardware/usb−modeswitch.nix>

hardware.usbStorage.manageShutdown
Enable this option to gracefully spin−down external storage during shutdown. If you suspect improper head parking after poweroff, install ‘smartmontools’ and check for the ‘Power−Off_Retract_Count’ field for an increment.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/hardware/usb−storage.nix>

hardware.wirelessRegulatoryDatabase
Whether to enable loading the wireless regulatory database at boot.

Type: boolean

Default: Enabled if proprietary firmware is allowed via **enableRedistributableFirmware** or **enableAllFirmware**.

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/all−firmware.nix>

hardware.wooting.enable
Whether to enable support for Wooting keyboards.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/wooting.nix>

hardware.xone.enable

Whether to enable the xone driver for Xbox One and Xbox Series X|S accessories.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/hardware/xone.nix>

hardware.xpad−noone.enable

Whether to enable the Xpad driver from the Linux kernel with support for Xbox One controllers removed.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/hardware/xpad−noone.nix>

hardware.xpadneo.enable

Whether to enable the xpadneo driver for Xbox One wireless controllers.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/hardware/xpadneo.nix>

hardware.xpadneo.quirks

Controller−specific quirk flags, keyed by MAC address. Flags are combined as a bitmask to address compatibility issues with specific controllers.

The value is a sum of individual flag values. For example, to apply flags 1, 2, and 4, use ‘7’ (1 + 2 + 4). To apply flags 2, 4, and 32, use ‘38’ (2 + 4 + 32).

See **https://github.com/atar−axis/xpadneo/blob/master/docs/CONFIGURATION.md** for available quirk flags and their values.

Type: attribute set of 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
{ }
```

Example:

```
{
  "11:22:33:44:55:66" = 7; # Applies flags 1 + 2 + 4
}
```

Declared by:
<nixpkgs/nixos/modules/hardware/xpadneo.nix>

hardware.xpadneo.rumbleAttenuation
Force feedback attenuation settings. Higher values reduce rumble strength.

See **https://github.com/atar-axis/xpadneo/blob/master/docs/CONFIGURATION.md** for more information.

Type: submodule

Default:

```
{ }
```

Example:

```
{
  overall = 50;   # 50% overall rumble
  triggers = 50;  # 25% trigger rumble (50% of 50%)
}
```

Declared by:
<nixpkgs/nixos/modules/hardware/xpadneo.nix>

hardware.xpadneo.rumbleAttenuation.overall
Overall force feedback attenuation as a percentage. '0' means full rumble, '100' means no rumble. Applies to both main and trigger rumble.

Type: integer between 0 and 100 (both inclusive)

Default:

Declared by:
<nixpkgs/nixos/modules/hardware/xpadneo.nix>

hardware.xpadneo.rumbleAttenuation.triggers
Extra attenuation for trigger rumble as a percentage, applied on top of **overall**. For example, 'overall = 50' and 'triggers = 50' results in 50% main rumble and 25% trigger rumble. Set to '100' to disable trigger rumble while keeping main rumble. 'null' means no extra trigger attenuation.

Type: null or integer between 0 and 100 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/hardware/xpadneo.nix>

hardware.xpadneo.settings
Kernel module parameters for hid_xpadneo. These are passed directly to the module via modprobe.

See **https://github.com/atar-axis/xpadneo/blob/master/docs/CONFIGURATION.md** for available parameters and their values.

Type: attribute set of (signed integer or string)

Default:

```
{ }
```

Example:

```
{
  disable_deadzones = 1;
  trigger_rumble_mode = 2;
```

```
  disable_shift_mode = 1;
}
```

Declared by:
<nixpkgs/nixos/modules/hardware/xpadneo.nix>

i18n.defaultCharset
The default locale character set.

Type: string

Default:

```
"UTF-8"
```

Example:

```
"ISO-8859-8"
```

Declared by:
<nixpkgs/nixos/modules/config/i18n.nix>

i18n.defaultLocale
The default locale. It determines the language for program messages, the format for dates and times, sort order, and so on. Setting the default character set is done via **i18n.defaultCharset**.

Type: string

Default:

```
"en_US.UTF-8"
```

Example:

```
"nl_NL.UTF-8"
```

Declared by:
<nixpkgs/nixos/modules/config/i18n.nix>

i18n.extraLocaleSettings
A set of additional system−wide locale settings other than ‘LANG’ which can be configured with **i18n.defaultLocale**. Note that the ‘/UTF−8’ suffix used in **i18n.extraLocales** indicates a character set, and it must not be added manually here. To use a non−‘UTF−8’ character set such as ISO−XXXX−8, the **i18n.localeCharsets** can be used.

Note that if the ‘LANGUAGE’ **key** is used in this option, it is ignored when computing the locales required to be installed, because the possible values of this key are more diverse and flexible then the others.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  LC_MESSAGES = "en_US.UTF-8";
  LC_TIME = "de_DE.UTF-8";
}
```

Declared by:
<nixpkgs/nixos/modules/config/i18n.nix>

i18n.extraLocales

Additional locales that the system should support, besides the ones configured with **i18n.defaultLocale** and **i18n.extraLocaleSettings**. Set this to ‘"all"’ to install all available locales.

Type: (list of string) or value “all” (singular enum)

Default:

```
[ ]
```

Example:

```
[
  "nl_NL.UTF-8/UTF-8"
]
```

Declared by:

<nixpkgs/nixos/modules/config/i18n.nix>

i18n.glibcLocales

Customized pkg.glibcLocales package.

Changing this option can disable handling of i18n.defaultLocale and supportedLocale.

Type: absolute path

Default:

```
pkgs.glibcLocales.override {
  allLocales = lib.elem "all" config.i18n.supportedLocales;
  locales = config.i18n.supportedLocales;
}
```

Example:

```
pkgs.glibcLocales
```

Declared by:

<nixpkgs/nixos/modules/config/i18n.nix>

i18n.inputMethod.enable

Whether to enable an additional input method type.

Type: boolean

Default: true if the deprecated option enabled is set, false otherwise

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/i18n/input-method/default.nix>

i18n.inputMethod.enableGtk2

Whether to enable Gtk2 support.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/i18n/input−method/default.nix>

i18n.inputMethod.enableGtk3
Whether to enable Gtk3 support.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/i18n/input−method/default.nix>

i18n.inputMethod.enabled
Deprecated − use ‘type’ and ‘enable = true’ instead

Type: null or one of “ibus”, “fcitx5”, “nabi”, “uim”, “hime”, “kime”

Default:

```
null
```

Example:

```
"fcitx5"
```

Declared by:
<nixpkgs/nixos/modules/i18n/input−method/default.nix>

i18n.inputMethod.fcitx5.addons
Enabled Fcitx5 addons.

Type: list of package

Default:

```
[ ]
```

Example:

```
with pkgs; [ fcitx5−rime ]
```

Declared by:
<nixpkgs/nixos/modules/i18n/input−method/fcitx5.nix>

i18n.inputMethod.fcitx5.ignoreUserConfig
Ignore the user configures. **Warning**: When this is enabled, the user config files are totally ignored and the user dict can’t be saved and loaded.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/i18n/input−method/fcitx5.nix>

i18n.inputMethod.fcitx5.quickPhrase

Quick phrases.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  smile = "∀";
  angry = "()";
}
```

Declared by:

<nixpkgs/nixos/modules/i18n/input−method/fcitx5.nix>

i18n.inputMethod.fcitx5.quickPhraseFiles

Quick phrase files.

Type: attribute set of absolute path

Default:

```
{ }
```

Example:

```
{
  words = ./words.mb;
  numbers = ./numbers.mb;
}
```

Declared by:

<nixpkgs/nixos/modules/i18n/input−method/fcitx5.nix>

i18n.inputMethod.fcitx5.settings.addons

The addon configures in ‘conf’ folder in ini format with global sections. Each item is written to the corresponding file.

Type: attribute set of anything

Default:

```
{ }
```

Example:

```
{ pinyin.globalSection.EmojiEnabled = "True"; }
```

Declared by:

<nixpkgs/nixos/modules/i18n/input−method/fcitx5.nix>

i18n.inputMethod.fcitx5.settings.globalOptions

The global options in ‘config’ file in ini format.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/i18n/input−method/fcitx5.nix>

i18n.inputMethod.fcitx5.settings.inputMethod
The input method configure in ‘profile’ file in ini format.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/i18n/input−method/fcitx5.nix>

i18n.inputMethod.fcitx5.waylandFrontend
Use the Wayland input method frontend. See **Using Fcitx 5 on Wayland**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/i18n/input−method/fcitx5.nix>

i18n.inputMethod.ibus.engines
Enabled IBus engines. Available engines are: ‘anthy’, ‘bamboo’, ‘cangjie’, ‘chewing’, ‘hangul’, ‘libpinyin’, ‘libthai’, ‘m17n’, ‘mozc’, ‘mozc−ut’, ‘pinyin’, ‘rime’, ‘table’, ‘table−chinese’, ‘table−others’, ‘typing−booster’, ‘typing−booster−unwrapped’, ‘uniemoji’.

Type: list of ibus−engine

Default:

```
[ ]
```

Example:

```
with pkgs.ibus−engines; [ mozc hangul ]
```

Declared by:
<nixpkgs/nixos/modules/i18n/input−method/ibus.nix>

i18n.inputMethod.ibus.panel
Replace the IBus panel with another panel.

Type: null or absolute path

Default:

```
null
```

Example:

```
"${pkgs.kdePackages.plasma−desktop}/libexec/kimpanel−ibus−panel"
```

Declared by:
<nixpkgs/nixos/modules/i18n/input−method/ibus.nix>

i18n.inputMethod.ibus.waylandFrontend
Use the Wayland input method frontend. This doesn’t set ‘GTK_IM_MODULE’ and ‘QT_IM_MODULE’ environment variables. See **Using Fcitx 5 on Wayland**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/i18n/input−method/ibus.nix>

i18n.inputMethod.kime.daemonModules
List of enabled daemon modules

Type: list of (one of “Xim”, “Wayland”, “Indicator”)

Default:

```
[
  "Xim"
  "Wayland"
  "Indicator"
]
```

Example:

```
[
  "Xim"
  "Indicator"
]
```

Declared by:
<nixpkgs/nixos/modules/i18n/input−method/kime.nix>

i18n.inputMethod.kime.extraConfig
extra kime configuration. Refer to **https://github.com/Riey/kime/blob/v3.1.1/docs/CONFIGURATION.md** for details on supported values.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/i18n/input−method/kime.nix>

i18n.inputMethod.kime.iconColor
Color of the indicator icon

Type: one of “Black”, “White”

Default:

```
"Black"
```

Example:

```
"White"
```

Declared by:
<nixpkgs/nixos/modules/i18n/input−method/kime.nix>

i18n.inputMethod.type
Select the enabled input method. Input methods is a software to input symbols that are not available on standard input devices.

Input methods are specially used to input Chinese, Japanese and Korean characters.

Currently the following input methods are available in NixOS:

- ibus: The intelligent input bus, extra input engines can be added using ‘i18n.inputMethod.ibus.engines’.

- fcitx5: The next generation of fcitx, addons (including engines, dictionaries, skins) can be added using 'i18n.inputMethod.fcitx5.addons'.
- nabi: A Korean input method based on XIM. Nabi doesn't support Qt 5.
- uim: The universal input method, is a library with a XIM bridge. uim mainly support Chinese, Japanese and Korean.
- hime: An extremely easy−to−use input method framework.
- kime: Koream IME.

Type: null or one of "ibus", "fcitx5", "nabi", "uim", "hime", "kime"

Default: The value of the deprecated option enabled, defaulting to null

Example:

```
"fcitx5"
```

Declared by:
<nixpkgs/nixos/modules/i18n/input−method/default.nix>

i18n.inputMethod.uim.toolbar
selected UIM toolbar.

Type: one of "gtk", "gtk3", "gtk−systray", "gtk3−systray", "qt5"

Default:

```
"gtk"
```

Example:

```
"gtk−systray"
```

Declared by:
<nixpkgs/nixos/modules/i18n/input−method/uim.nix>

i18n.localeCharsets
Per each **i18n.extraLocaleSettings**, choose the character set to use for it. Essentially defaults to UTF−8 for all of them.

Note that for a locale category that uses the 'C' locale, setting a character set to it via this setting is ignored.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  LC_MESSAGES = "ISO−8859−15";
  LC_TIME = "ISO−8859−1";
}
```

Declared by:
<nixpkgs/nixos/modules/config/i18n.nix>

image.baseName
Basename of the image filename without any extension (e.g. 'image_1').

Type: string

Default:

```
nixos−image−${config.system.nixos.label}−${pkgs.stdenv.hostPlatf \
orm.system}
```

Declared by:
<nixpkgs/nixos/modules/image/file−options.nix>

image.extension
Extension of the image filename (e.g. ‘raw’).

Type: string

Declared by:
<nixpkgs/nixos/modules/image/file−options.nix>

image.fileName
Filename of the image including all extensions (e.g ‘image_1.raw’ or ‘image_1.raw.zst’).

Type: string

Default:

```
${config.image.baseName}.${config.image.extension}
```

Declared by:
<nixpkgs/nixos/modules/image/file−options.nix>

image.filePath
Path of the image, relative to ‘$out’ in ‘system.build.image’. While it defaults to ‘config.image.fileName’, it can be different for builders where the image is in sub directory, such as ‘iso’, ‘sd−card’ or ‘kexec’ images.

Type: string

Default:

```
config.image.fileName
```

Declared by:
<nixpkgs/nixos/modules/image/file−options.nix>

image.modules
image−specific NixOS Modules used for ‘system.build.images’.

Type: attribute set of module

Declared by:
<nixpkgs/nixos/modules/image/images.nix>

image.repart.package
The systemd−repart package to use.

Type: package

Default:

```
pkgs.buildPackages.systemd
```

Example:

```
pkgs.buildPackages.systemdMinimal.override { withCryptsetup = true; \
 }
```

Declared by:
<nixpkgs/nixos/modules/image/repart.nix>

image.repart.compression.enable

Whether to enable Image compression.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/image/repart.nix>

image.repart.compression.algorithm

Compression algorithm

Type: one of “zstd”, “xz”, “zstd−seekable”

Default:

```
"zstd"
```

Declared by:

<nixpkgs/nixos/modules/image/repart.nix>

image.repart.compression.level

Compression level. The available range depends on the used algorithm.

Type: signed integer

Declared by:

<nixpkgs/nixos/modules/image/repart.nix>

image.repart.imageSize

Size of the produced image in bytes with optional K, M, G, T suffix, or ‘auto’ to determine the minimal size automatically

Type: string matching the pattern ^([0−9]+[KMGTP]?|auto)$

Default:

```
"auto"
```

Example:

```
"512G"
```

Declared by:

<nixpkgs/nixos/modules/image/repart.nix>

image.repart.mkfsOptions

Specify extra options for created file systems. The specified options are converted to individual environment variables of the format ‘SYSTEMD_REPART_MKFS_OPTIONS_<FSTYPE>’.

See **upstream systemd documentation** for information about the usage of these environment variables.

The example would produce the following environment variable:

```
SYSTEMD_REPART_MKFS_OPTIONS_VFAT="−S 512 −c"
```

Type: attribute set of list of string

Default:

```
{ }
```

Example:

```
{
  vfat = [ "-S 512" "-c" ];
}
```

Declared by:

<nixpkgs/nixos/modules/image/repart.nix>

image.repart.name

Name of the image.

If this option is unset but config.system.image.id is set, config.system.image.id is used as the default value.

Type: string

Declared by:

<nixpkgs/nixos/modules/image/repart.nix>

image.repart.partitions

Specify partitions as a set of the names of the partitions with their configuration as the key.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "10-esp" = {
    contents = {
      "/EFI/BOOT/BOOTX64.EFI".source =
        "${pkgs.systemd}/lib/systemd/boot/efi/systemd-bootx64.efi" \
;
    };
    repartConfig = {
      Type = "esp";
      Format = "vfat";
    };
  };
  "20-root" = {
    storePaths = [ config.system.build.toplevel ];
    repartConfig = {
      Type = "root";
      Format = "ext4";
      Minimize = "guess";
    };
  };
};
```

Declared by:

<nixpkgs/nixos/modules/image/repart.nix>

image.repart.partitions.<name>.contents

The contents to end up in the filesystem image.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "/EFI/BOOT/BOOTX64.EFI".source =
    "${pkgs.systemd}/lib/systemd/boot/efi/systemd-bootx64.efi";
  "/loader/entries/nixos.conf".source = systemdBootEntry;
}
```

Declared by:
<nixpkgs/nixos/modules/image/repart.nix>

image.repart.partitions.<name>.contents.<name>.source
Path of the source file.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/image/repart.nix>

image.repart.partitions.<name>.nixStorePrefix
The prefix to use for store paths. Defaults to '/nix/store'. This is useful when you want to build a partition that only contains store paths and is mounted under '/nix/store' or if you want to create the store paths below a parent path (e.g., '/@nix/nix/store').

Type: absolute path

Default:

```
"/nix/store"
```

Declared by:
<nixpkgs/nixos/modules/image/repart.nix>

image.repart.partitions.<name>.repartConfig
Specify the repart options for a partition as a structural setting. See **repart.d**(5) for all available options.

Type: attribute set of (string or signed integer or boolean or list of string)

Default:

```
{ }
```

Example:

```
{
  SizeMaxBytes = "2G";
  SizeMinBytes = "512M";
  Type = "home";
}
```

Declared by:
<nixpkgs/nixos/modules/image/repart.nix>

image.repart.partitions.<name>.storePaths
The store paths to include in the partition.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/image/repart.nix>

image.repart.sectorSize

The sector size of the disk image produced by systemd−repart. This value must be a power of 2 between 512 and 4096.

Type: null or signed integer

Default:

```
512
```

Example:

```
4096
```

Declared by:

<nixpkgs/nixos/modules/image/repart.nix>

image.repart.seed

A UUID to use as a seed. You can set this to ‘random’ to explicitly randomize the partition UUIDs. See **systemd−repart**(8) for more information.

Type: null or string

Default:

```
"0867da16−f251−457d−a9e8−c31f9a3c220b"
```

Declared by:

<nixpkgs/nixos/modules/image/repart.nix>

image.repart.split

Enables generation of split artifacts from partitions. If enabled, for each partition with SplitName= set, a separate output file containing just the contents of that partition is generated.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/image/repart.nix>

image.repart.verityStore.enable

Whether to enable building images with a dm−verity protected nix store.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/image/repart−verity−store.nix>

image.repart.verityStore.partitionIds.esp

Specify the attribute name of the ESP.

Type: string

Default:

```
"00−esp"
```

Declared by:
<nixpkgs/nixos/modules/image/repart−verity−store.nix>

image.repart.verityStore.partitionIds.store
Specify the attribute name of the store partition.

Type: string

Default:

```
"20−store"
```

Declared by:
<nixpkgs/nixos/modules/image/repart−verity−store.nix>

image.repart.verityStore.partitionIds.store−verity
Specify the attribute name of the store's dm−verity hash partition.

Type: string

Default:

```
"10−store−verity"
```

Declared by:
<nixpkgs/nixos/modules/image/repart−verity−store.nix>

image.repart.verityStore.ukiPath
Specify the location on the ESP where the UKI is placed.

Type: string

Default:

```
"/EFI/Linux/\${config.system.boot.loader.ukiFile}"
```

Declared by:
<nixpkgs/nixos/modules/image/repart−verity−store.nix>

image.repart.version
Version of the image

Type: null or string

Default:

```
config.system.image.version
```

Declared by:
<nixpkgs/nixos/modules/image/repart.nix>

lib
This option allows modules to define helper functions, constants, etc.

Type: attribute set of (attribute set)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/misc/lib.nix>

location.latitude
Your current latitude, between '−90.0' and '90.0'. Must be provided along with longitude.

Type: floating point number

Declared by:
<nixpkgs/nixos/modules/config/locale.nix>

location.longitude
Your current longitude, between between ‘−180.0’ and ‘180.0’. Must be provided along with latitude.

Type: floating point number

Declared by:
<nixpkgs/nixos/modules/config/locale.nix>

location.provider
The location provider to use for determining your location. If set to ‘manual’ you must also provide latitude/longitude.

Type: one of “manual”, “geoclue2”

Default:

```
"manual"
```

Declared by:
<nixpkgs/nixos/modules/config/locale.nix>

meta.maintainers
List of maintainers of each module. This option should be defined at most once per module.

The option value is not a list of maintainers, but an attribute set that maps module file names to lists of maintainers.

Type: list of lib.maintainers

Default:

```
[ ]
```

Example:

```
[ lib.maintainers.alice lib.maintainers.bob ]
```

Declared by:
<nixpkgs/modules/generic/meta−maintainers.nix>

meta.teams
List of team maintainers of each module. This option should be defined at most once per module.

Type: list of lib.teams

Default:

```
[ ]
```

Example:

```
[ lib.teams.acme lib.teams.haskell ]
```

Declared by:
<nixpkgs/modules/generic/meta−maintainers.nix>

networking.enableB43Firmware
Turn on this option if you want firmware for the NICs supported by the b43 module.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/hardware/network/b43.nix>

networking.enableIPv6
Whether to enable support for IPv6.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.enableIntel2200BGFirmware
Turn on this option if you want firmware for the Intel PRO/Wireless 2200BG to be loaded automatically. This is required if you want to use this device.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/hardware/network/intel−2200bg.nix>

networking.bonds
This option allows you to define bond devices that aggregate multiple, underlying networking interfaces together. The value of this option is an attribute set. Each attribute specifies a bond, with the attribute name specifying the name of the bond's network interface

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  bond0 = {
    interfaces = [ "eth0" "wlan0" ];
    driverOptions = {
  miimon = "100";
  mode = "active−backup";
}
;
  };
  anotherBond.interfaces = [ "enp4s0f0" "enp4s0f1" "enp5s0f0" "enp5 \
s0f1" ];
}
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.bonds.<name>.driverOptions
Options for the bonding driver. Documentation can be found in **https://www.kernel.org/doc/Documentation/networking/bonding.txt**

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  miimon = "100";
  mode = "active-backup";
}
```

Declared by:
<nixpkgs/nixos/modules/tasks/network-interfaces.nix>

networking.bonds.<name>.interfaces
The interfaces to bond together

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "enp4s0f0"
  "enp4s0f1"
  "wlan0"
]
```

Declared by:
<nixpkgs/nixos/modules/tasks/network-interfaces.nix>

networking.bonds.<name>.lacp_rate
DEPRECATED, use ‘driverOptions’. Option specifying the rate in which we’ll ask our link partner to transmit LACPDU packets in 802.3ad mode.

Type: null or string

Default:

```
null
```

Example:

```
"fast"
```

Declared by:
<nixpkgs/nixos/modules/tasks/network-interfaces.nix>

networking.bonds.<name>.miimon
DEPRECATED, use ‘driverOptions’. Miimon is the number of millisecond in between each round of polling by the device driver for failed links. By default polling is not enabled and the driver is trusted to properly detect and handle failure scenarios.

Type: null or signed integer

Default:

```
null
```

Example:

```
100
```

Declared by:
<nixpkgs/nixos/modules/tasks/network-interfaces.nix>

networking.bonds.<name>.mode

DEPRECATED, use ‘driverOptions’. The mode which the bond will be running. The default mode for the bonding driver is balance−rr, optimizing for throughput. More information about valid modes can be found at https://www.kernel.org/doc/Documentation/networking/bonding.txt

Type: null or string

Default:

```
null
```

Example:

```
"active-backup"
```

Declared by:

<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.bonds.<name>.xmit_hash_policy

DEPRECATED, use ‘driverOptions’. Selects the transmit hash policy to use for slave selection in balance−xor, 802.3ad, and tlb modes.

Type: null or string

Default:

```
null
```

Example:

```
"layer2+3"
```

Declared by:

<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.bridges

This option allows you to define Ethernet bridge devices that connect physical networks together. The value of this option is an attribute set. Each attribute specifies a bridge, with the attribute name specifying the name of the bridge’s network interface.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  br0 = {
    interfaces = [
      "eth0"
      "eth1"
    ];
  };
  br1 = {
    interfaces = [
      "eth2"
      "wlan0"
    ];
  };
}
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.bridges.<name>.interfaces
The physical network interfaces connected by the bridge.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "eth0"
  "eth1"
]
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.bridges.<name>.rstp
Whether the bridge interface should enable rstp.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.defaultGateway
The default gateway. It can be left empty if it is auto−detected through DHCP. It can be specified as a string or an option set along with a network interface.

Type: null or ((submodule) or string convertible to it)

Default:

```
null
```

Example:

```
{
  address = "131.211.84.1";
  interface = "enp3s0";
  source = "131.211.84.2";
}
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.defaultGateway.address
The default gateway address.

Type: string

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.defaultGateway.interface
The default gateway interface.

Type: null or string

Default:

```
null
```

Example:

```
"enp0s3"
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.defaultGateway.metric
The default gateway metric/preference.

Type: null or signed integer

Default:

```
null
```

Example:

```
42
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.defaultGateway.source
The default source address.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.defaultGateway6
The default ipv6 gateway. It can be left empty if it is auto−detected through DHCP. It can be specified as a string or an option set along with a network interface.

Type: null or ((submodule) or string convertible to it)

Default:

```
null
```

Example:

```
{
  address = "2001:4d0:1e04:895::1";
  interface = "enp3s0";
  source = "2001:4d0:1e04:895::2";
}
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.defaultGateway6.address
The default gateway address.

Type: string

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.defaultGateway6.interface
The default gateway interface.

Type: null or string

Default:

```
null
```

Example:

```
"enp0s3"
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.defaultGateway6.metric
The default gateway metric/preference.

Type: null or signed integer

Default:

```
null
```

Example:

```
42
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.defaultGateway6.source
The default source address.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.defaultGatewayWindowSize
The window size of the default gateway. It limits maximal data bursts that TCP peers are allowed to send to us.

Type: null or signed integer

Default:

```
null
```

Example:

```
524288
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.dhcpcd.enable

Whether to enable dhcpcd for device configuration. This is mainly to explicitly disable dhcpcd (for example when using networkd).

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/dhcpcd.nix>

networking.dhcpcd.IPv6rs

Force enable or disable solicitation and receipt of IPv6 Router Advertisements. This is required, for example, when using a static unique local IPv6 address (ULA) and global IPv6 address auto−configuration with SLAAC.

Type: null or boolean

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/dhcpcd.nix>

networking.dhcpcd.allowInterfaces

Enable the DHCP client for any interface whose name matches any of the shell glob patterns in this list. Any interface not explicitly matched by this pattern will be denied. This pattern only applies when non−null.

Type: null or (list of string)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/dhcpcd.nix>

networking.dhcpcd.allowSetuid

Whether to relax the security sandbox to allow running setuid binaries (e.g. ‘sudo’) in the dhcpcd hooks.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/dhcpcd.nix>

networking.dhcpcd.denyInterfaces

Disable the DHCP client for any interface whose name matches any of the shell glob patterns in this list. The purpose of this option is to blacklist virtual interfaces such as those created by Xen, libvirt, LXC, etc.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/dhcpcd.nix>

networking.dhcpcd.extraConfig

Literal string to append to the config file generated for dhcpcd.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/networking/dhcpcd.nix>

networking.dhcpcd.persistent

Whether to leave interfaces configured on dhcpcd daemon shutdown. Set to true if you have your root or store mounted over the network or this machine accepts SSH connections through DHCP interfaces and clients should be notified when it shuts down.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/dhcpcd.nix>

networking.dhcpcd.runHook

Shell code that will be run after all other hooks. See ‘man dhcpcd−run−hooks’ for details on what is possible.

Note

To use sudo or similar tools in your script you may have to set:

```
networking.dhcpcd.allowSetuid = true;
```

In addition, as most of the filesystem is inaccessible to dhcpcd by default, you may want to define some exceptions, e.g.

```
systemd.services.dhcpcd.serviceConfig.ReadOnlyPaths = [
  "/run/user/1000/bus"  # to send desktop notifications
];
```

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
"if [[ $reason =~ BOUND ]]; then echo $interface: Routers are $n \
ew_routers − were $old_routers; fi"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/dhcpcd.nix>

networking.dhcpcd.setHostname

Whether to set the machine hostname based on the information received from the DHCP server.

Note

The hostname will be changed only if the current one is the empty string, ‘localhost’ or ‘nixos’.

Polkit (**security.polkit.enable**) is also required.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/dhcpcd.nix>

networking.dhcpcd.wait
This option specifies when the dhcpcd service will fork to background. If set to “background”, dhcpcd will fork to background immediately. If set to “ipv4” or “ipv6”, dhcpcd will wait for the corresponding IP address to be assigned. If set to “any”, dhcpcd will wait for any type (IPv4 or IPv6) to be assigned. If set to “both”, dhcpcd will wait for both an IPv4 and an IPv6 address before forking. The option “if−carrier−up” is equivalent to “any” if either ethernet is plugged or WiFi is powered, and to “background” otherwise.

Type: one of “background”, “any”, “ipv4”, “ipv6”, “both”, “if−carrier−up”

Default:

```
"any"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/dhcpcd.nix>

networking.domain
The system domain name. Used to populate the **fqdn** value.

Warning
The domain name is not configured for DNS resolution purposes, see **search** instead.

Type: null or string

Default:

```
null
```

Example:

```
"home.arpa"
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.extraHosts
Additional verbatim entries to be appended to */etc/hosts*. For adding hosts from derivation results, use **networking.hostFiles** instead.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
"192.168.0.1 lanlocalhost"
```

Declared by:
<nixpkgs/nixos/modules/config/networking.nix>

networking.firewall.enable
Whether to enable the firewall. This is a simple stateful firewall that blocks connection attempts to unauthorised TCP or UDP ports on this machine.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewall.nix>

networking.firewall.package
The package to use for running the firewall service.

Type: package

Default:

```
if config.networking.nftables.enable then "pkgs.nftables" else "pkg \
s.iptables"
```

Example:

```
pkgs.iptables-legacy
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewall.nix>

networking.firewall.allowPing
Whether to respond to incoming ICMPv4 echo requests (“pings”). ICMPv6 pings are always allowed because the larger address space of IPv6 makes network scanning much less effective.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewall.nix>

networking.firewall.allowedTCPPortRanges
A range of TCP ports on which incoming connections are accepted.

Type: list of attribute set of 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
[ ]
```

Example:

```
[
  {
    from = 8999;
    to = 9003;
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewall.nix>

networking.firewall.allowedTCPPorts
List of TCP ports on which incoming connections are accepted.

Type: list of 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
[ ]
```

Example:

```
[
  22
  80
```

```
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewall.nix>

networking.firewall.allowedUDPPortRanges
Range of open UDP ports.

Type: list of attribute set of 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
[ ]
```

Example:

```
[
  {
    from = 60000;
    to = 61000;
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewall.nix>

networking.firewall.allowedUDPPorts
List of open UDP ports.

Type: list of 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
[ ]
```

Example:

```
[
  53
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewall.nix>

networking.firewall.autoLoadConntrackHelpers
Whether to auto−load connection−tracking helpers. See the description at networking.firewall.connectionTrackingModules

(needs kernel 3.5+)

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewall.nix>

networking.firewall.backend
Underlying implementation for the firewall service.

Type: one of “iptables”, “nftables”, “firewalld”

Default:

```
if config.services.firewalld.enable then
  "firewalld"
```

```
else if config.networking.nftables.enable then
  "nftables"
else
  "iptables"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewall.nix>

networking.firewall.checkReversePath

Performs a reverse path filter test on a packet. If a reply to the packet would not be sent via the same interface that the packet arrived on, it is refused.

If using asymmetric routing or other complicated routing, set this option to loose mode or disable it and setup your own counter−measures.

This option can be either true (or "strict"), "loose" (only drop the packet if the source address is not reachable via any interface) or false.

Type: boolean or one of "strict", "loose"

Default: true except if the iptables based firewall is in use and the kernel lacks rpfilter support

Example:

```
"loose"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewall.nix>

networking.firewall.connectionTrackingModules

List of connection−tracking helpers that are auto−loaded. The complete list of possible values is given in the example.

As helpers can pose as a security risk, it is advised to set this to an empty list and disable the setting networking.firewall.autoLoadConntrackHelpers unless you know what you are doing. Connection tracking is disabled by default.

Loading of helpers is recommended to be done through the CT target. More info: **https://home.regit.org/netfilter−en/secure−use−of−helpers/**

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "ftp"
  "irc"
  "sane"
  "sip"
  "tftp"
  "amanda"
  "h323"
  "netbios_sn"
  "pptp"
  "snmp"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewall.nix>

networking.firewall.extraCommands
Additional shell commands executed as part of the firewall initialisation script. These are executed just before the final “reject” firewall rule is added, so they can be used to allow packets that would otherwise be refused.

This option only works with the iptables based firewall.

Type: strings concatenated with “\n”

Default:
```
""
```

Example:
```
"iptables -A INPUT -p icmp -j ACCEPT"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewall-iptables.nix>

networking.firewall.extraForwardRules
Additional nftables rules to be appended to the forward-allow chain.

This option only works with the nftables based firewall.

Type: strings concatenated with “\n”

Default:
```
""
```

Example:
```
"iifname wg0 accept"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewall-nftables.nix>

networking.firewall.extraInputRules
Additional nftables rules to be appended to the input-allow chain.

This option only works with the nftables based firewall.

Type: strings concatenated with “\n”

Default:
```
""
```

Example:
```
"ip6 saddr { fc00::/7, fe80::/10 } tcp dport 24800 accept"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewall-nftables.nix>

networking.firewall.extraPackages
Additional packages to be included in the environment of the system as well as the path of networking.firewall.extraCommands.

Type: list of package

Default:
```
[ ]
```

Example:

```
[ pkgs.ipset ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewall.nix>

networking.firewall.extraReversePathFilterRules
Additional nftables rules to be appended to the rpfilter−allow chain.

This option only works with the nftables based firewall.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
"fib daddr . mark . iif type local accept"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewall−nftables.nix>

networking.firewall.extraStopCommands
Additional shell commands executed as part of the firewall shutdown script. These are executed just after the removal of the NixOS input rule, or if the service enters a failed state.

This option only works with the iptables based firewall.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
"iptables −P INPUT ACCEPT"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewall−iptables.nix>

networking.firewall.filterForward
Enable filtering in IP forwarding.

This option only works with the nftables based firewall.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewall.nix>

networking.firewall.interfaces
Interface−specific open ports.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewall.nix>

networking.firewall.interfaces.<name>.allowedTCPPortRanges

A range of TCP ports on which incoming connections are accepted.

Type: list of attribute set of 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
[ ]
```

Example:

```
[
  {
    from = 8999;
    to = 9003;
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firewall.nix>

networking.firewall.interfaces.<name>.allowedTCPPorts

List of TCP ports on which incoming connections are accepted.

Type: list of 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
[ ]
```

Example:

```
[
  22
  80
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firewall.nix>

networking.firewall.interfaces.<name>.allowedUDPPortRanges

Range of open UDP ports.

Type: list of attribute set of 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
[ ]
```

Example:

```
[
  {
    from = 60000;
    to = 61000;
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firewall.nix>

networking.firewall.interfaces.<name>.allowedUDPPorts

List of open UDP ports.

Type: list of 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
[ ]
```

Example:

```
[
  53
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firewall.nix>

networking.firewall.logRefusedConnections

Whether to log rejected or dropped incoming connections. Note: The logs are found in the kernel logs, i.e. dmesg or journalctl −k.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firewall.nix>

networking.firewall.logRefusedPackets

Whether to log all rejected or dropped incoming packets. This tends to give a lot of log messages, so it's mostly useful for debugging. Note: The logs are found in the kernel logs, i.e. dmesg or journalctl −k.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firewall.nix>

networking.firewall.logRefusedUnicastsOnly

If **networking.firewall.logRefusedPackets** and this option are enabled, then only log packets specifically directed at this machine, i.e., not broadcasts or multicasts.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firewall.nix>

networking.firewall.logReversePathDrops

Logs dropped packets failing the reverse path filter test if the option networking.firewall.checkReversePath is enabled.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewall.nix>

networking.firewall.pingLimit
If pings are allowed, this allows setting rate limits on them.

For the iptables based firewall, it should be set like “–limit 1/minute −−limit−burst 5”.

For the nftables based firewall, it should be set like “2/second” or “1/minute burst 5 packets”.

Type: null or strings concatenated with " "

Default:

```
null
```

Example:

```
"−−limit 1/minute −−limit−burst 5"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewall.nix>

networking.firewall.rejectPackets
If set, refused packets are rejected rather than dropped (ignored). This means that an ICMP “port unreachable” error message is sent back to the client (or a TCP RST packet in case of an existing connection). Rejecting packets makes port scanning somewhat easier.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewall.nix>

networking.firewall.trustedInterfaces
Traffic coming in from these interfaces will be accepted unconditionally. Traffic from the loopback (lo) interface will always be accepted.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "enp0s2"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewall.nix>

networking.fooOverUDP
This option allows you to configure Foo Over UDP and Generic UDP Encapsulation endpoints. See **ip−fou**(8) for details.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
```

```
  backup = {
    port = 9002;
  };
  primary = {
    local = {
      address = "192.0.2.1";
      dev = "eth0";
    };
    port = 9001;
  };
}
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.fooOverUDP.<name>.local
Local address (and optionally device) to bind to using the given port.

Type: null or (submodule)

Default:

```
null
```

Example:

```
{
  address = "203.0.113.22";
}
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.fooOverUDP.<name>.local.address
Local address to bind to. The address must be available when the FOU endpoint is created, using the scripted network setup this can be achieved either by setting ‘dev’ or adding dependency information to ‘systemd.services.<name>−fou−encap’; it isn’t supported when using networkd.

Type: string

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.fooOverUDP.<name>.local.dev
Network device to bind to.

Type: null or string

Default:

```
null
```

Example:

```
"eth0"
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.fooOverUDP.<name>.port

Local port of the encapsulation UDP socket.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Declared by:

<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.fooOverUDP.<name>.protocol

Protocol number of the encapsulated packets. Specifying ‘null’ (the default) creates a GUE endpoint, specifying a protocol number will create a FOU endpoint.

Type: null or integer between 1 and 255 (both inclusive)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.fqdn

The fully qualified domain name (FQDN) of this host. By default, it is the result of combining ‘networking.hostName’ and ‘networking.domain.’

Using this option will result in an evaluation error if the hostname is empty or no domain is specified.

Modules that accept a mere ‘networking.hostName’ but prefer a fully qualified domain name may use ‘networking.fqdnOrHostName’ instead.

Type: string

Default:

```
"${networking.hostName}.${networking.domain}"
```

Declared by:

<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.fqdnOrHostName

Either the fully qualified domain name (FQDN), or just the host name if it does not exist.

This is a convenience option for modules to read instead of ‘fqdn’ when a mere ‘hostName’ is also an acceptable value; this option does not throw an error when ‘domain’ or ‘fqdn’ is unset.

Type: string *(read only)*

Default:

```
if config.networking.domain != null || config.networking.fqdn is se \
t then config.networking.fqdn else config.networking.hostName
```

Declared by:

<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.getaddrinfo.enable

Enables custom address sorting configuration for **getaddrinfo**(3) according to RFC 3484.

This option generates a */etc/gai.conf* file to override the default address sorting tables, as described in **gai.conf**(5).

This setting is only applicable when using the GNU C Library (glibc). It has no effect with other libc implementations.

Type: boolean

Default:

```
pkgs.stdenv.hostPlatform.libc == "glibc"
```

Declared by:
<nixpkgs/nixos/modules/config/getaddrinfo.nix>

networking.getaddrinfo.label
Adds entries to the label table, as described in section 2.1 of RFC 3484.

If any label entries are provided, the glibc's default label table is ignored.

Type: null or (attribute set of signed integer)

Default:

```
null
```

Example:

```
{
  "2001:0::/32" = 7;
  "2002::/16" = 2;
  "::/0" = 1;
  "::/96" = 3;
  "::ffff:0:0/96" = 4;
  "fc00::/7" = 6;
  "fec0::/10" = 5;
}
```

Declared by:
<nixpkgs/nixos/modules/config/getaddrinfo.nix>

networking.getaddrinfo.precedence
Similar to **networking.getaddrinfo.label**, but this option defines entries for the precedence table instead.

See sections 2.1 and 10.3 of RFC 3484 for details.

Providing any value will disable the glibc's default precedence table.

Type: null or (attribute set of signed integer)

Default:

```
null
```

Example:

```
{
  "2002::/16" = 30;
  "::/0" = 40;
  "::/96" = 20;
  "::1/128" = 50;
  "::ffff:0:0/96" = 10;
}
```

Declared by:
<nixpkgs/nixos/modules/config/getaddrinfo.nix>

networking.getaddrinfo.reload
Determines whether a process should detect changes to the configuration file since it was last read.

If enabled, the file is re−read automatically. This may cause issues in multithreaded applications and is generally discouraged.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/config/getaddrinfo.nix>

networking.getaddrinfo.scopev4
Adds custom rules to the IPv4 scope table.

By default, the scope IDs described in section 3.2 of RFC 6724 are used.

Modifying these values is rarely necessary.

Type: null or (attribute set of signed integer)

Default:

```
null
```

Example:

```
{
  "::ffff:0.0.0.0/96" = 14;
  "::ffff:127.0.0.0/104" = 2;
  "::ffff:169.254.0.0/112" = 2;
}
```

Declared by:
<nixpkgs/nixos/modules/config/getaddrinfo.nix>

networking.greTunnels
This option allows you to define Generic Routing Encapsulation (GRE) tunnels.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  greBridge = {
    remote = "10.0.0.1";
    local = "10.0.0.22";
    dev = "enp4s0f0";
    type = "tap";
    ttl = 255;
  };
  gre6Tunnel = {
    remote = "fd7a:5634::1";
    local = "fd7a:5634::2";
    dev = "enp4s0f0";
    type = "tun6";
    ttl = 255;
  };
}
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.greTunnels.<name>.dev

The underlying network device on which the tunnel resides.

Type: null or string

Default:

```
null
```

Example:

```
"enp4s0f0"
```

Declared by:

<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.greTunnels.<name>.local

The address of the local endpoint which the remote side should send packets to.

Type: null or string

Default:

```
null
```

Example:

```
"10.0.0.22"
```

Declared by:

<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.greTunnels.<name>.remote

The address of the remote endpoint to forward traffic over.

Type: null or string

Default:

```
null
```

Example:

```
"10.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.greTunnels.<name>.ttl

The time−to−live/hoplimit of the connection to the remote tunnel endpoint.

Type: null or signed integer

Default:

```
null
```

Example:

```
255
```

Declared by:

<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.greTunnels.<name>.type

Whether the tunnel routes layer 2 (tap) or layer 3 (tun) traffic.

Type: one of “tun”, “tap”, “tun6”, “tap6”

Default:

```
"tap"
```

Example:

```
"tap"
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.hostFiles
Files that should be concatenated together to form */etc/hosts*.

Type: list of absolute path

Default: Hosts from **networking.hosts** and **networking.extraHosts**

Example:

```
[ "${pkgs.my−blocklist−package}/share/my−blocklist/hosts" ]
```

Declared by:
<nixpkgs/nixos/modules/config/networking.nix>

networking.hostId
The 32−bit host ID of the machine, formatted as 8 hexadecimal characters.

You should try to make this ID unique among your machines. You can generate a random 32−bit ID using the following commands:

‘head −c 8 /etc/machine−id’

(this derives it from the machine−id that systemd generates) or

‘head −c4 /dev/urandom | od −A none −t x4’

The primary use case is to ensure when using ZFS that a pool isn’t imported accidentally on a wrong machine.

Type: null or string

Default:

```
null
```

Example:

```
"4e98920d"
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.hostName
The name of the machine. Leave it empty if you want to obtain it from a DHCP server (if using DHCP). The hostname must be a valid DNS label (see RFC 1035 section 2.3.1: “Preferred name syntax”, RFC 1123 section 2.1: “Host Names and Numbers”) and as such must not contain the domain part. This means that the hostname must start with a letter or digit, end with a letter or digit, and have as interior characters only letters, digits, and hyphen. The maximum length is 63 characters. Additionally it is recommended to only use lower−case characters. If (e.g. for legacy reasons) a FQDN is required as the Linux kernel network node hostname (uname −−nodename) the option boot.kernel.sysctl.“kernel.hostname” can be used as a workaround (but the 64 character limit still applies).

WARNING: Do not use underscores (_) or you may run into unexpected issues.

Type: string matching the pattern ^$|^[[:alnum:]]([[:alnum:]_−]{0,61}[[:alnum:]])?$

Default:

```
config.system.nixos.distroId
```

Declared by:
<nixpkgs/nixos/modules/tasks/network-interfaces.nix>

networking.hosts
Locally defined maps of hostnames to IP addresses.

Type: attribute set of list of string

Default:

```
{ }
```

Example:

```
{
  "127.0.0.1" = [ "foo.bar.baz" ];
  "192.168.0.2" = [ "fileserver.local" "nameserver.local" ];
};
```

Declared by:
<nixpkgs/nixos/modules/config/networking.nix>

networking.ifstate.enable
Whether to enable networking using IfState.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ifstate.nix>

networking.ifstate.package
The ifstate package to use.

Type: package

Default:

```
pkgs.ifstate
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ifstate.nix>

networking.ifstate.settings
Content of IfState's configuration file. See **https://ifstate.net/2.2/schema/** for details.

Type: YAML 1.1 value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ifstate.nix>

networking.interfaces
The configuration for each network interface.

Please note that **systemd.network.netdevs** has more features and is better maintained. When building new things, it is advised to use that instead.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  eth0 = {
    ipv4 = {
      addresses = [
        {
          address = "131.211.84.78";
          prefixLength = 25;
        }
      ];
    };
  };
}
```

Declared by:

<nixpkgs/nixos/modules/tasks/network-interfaces.nix>

networking.interfaces.<name>.ipv4.addresses

List of IPv4 addresses that will be statically assigned to the interface.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    address = "10.0.0.1";
    prefixLength = 16;
  }
  {
    address = "192.168.1.1";
    prefixLength = 24;
  }
]
```

Declared by:

<nixpkgs/nixos/modules/tasks/network-interfaces.nix>

networking.interfaces.<name>.ipv4.addresses.*.address

IPv4 address of the interface. Leave empty to configure the interface using DHCP.

Type: string

Declared by:

<nixpkgs/nixos/modules/tasks/network-interfaces.nix>

networking.interfaces.<name>.ipv4.addresses.*.prefixLength

Subnet mask of the interface, specified as the number of bits in the prefix (‘24’).

Type: integer between 0 and 32 (both inclusive)

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.interfaces.<name>.ipv4.routes
List of extra IPv4 static routes that will be assigned to the interface.

Warning
If the route type is the default ‘unicast’, then the scope is set differently depending on the value of **networking.useNetworkd**: the script−based backend sets it to ‘link’, while networkd sets it to ‘global’.

If you want consistency between the two implementations, set the scope of the route manually with ‘networking.interfaces.eth0.ipv4.routes = [{ options.scope = "global"; }]’ for example.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    address = "10.0.0.0";
    prefixLength = 16;
  }
  {
    address = "192.168.2.0";
    prefixLength = 24;
    via = "192.168.1.1";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.interfaces.<name>.ipv4.routes.*.address
IPv4 address of the network.

Type: string

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.interfaces.<name>.ipv4.routes.*.options
Other route options. See the symbol ‘OPTIONS’ in the **ip−route**(8) manual page for the details. You may also specify ‘metric’, ‘src’, ‘protocol’, ‘scope’, ‘from’ and ‘table’, which are technically not route options, in the sense used in the manual.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  mtu = "1492";
  window = "524288";
}
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.interfaces.<name>.ipv4.routes.*.prefixLength
Subnet mask of the network, specified as the number of bits in the prefix (‘24’).

Type: integer between 0 and 32 (both inclusive)

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.interfaces.<name>.ipv4.routes.*.type
Type of the route. See the ‘Route types’ section in the **ip−route**(8) manual page for the details.

Note that ‘prohibit’, ‘blackhole’, ‘unreachable’, and ‘throw’ cannot be configured per device, so they are not available here. Similarly, ‘nat’ hasn’t been supported since kernel 2.6.

Type: null or one of “unicast”, “local”, “broadcast”, “multicast”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.interfaces.<name>.ipv4.routes.*.via
IPv4 address of the next hop.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.interfaces.<name>.ipv6.addresses
List of IPv6 addresses that will be statically assigned to the interface.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    address = "fdfd:b3f0:482::1";
    prefixLength = 48;
  }
  {
    address = "2001:1470:fffd:2098::e006";
    prefixLength = 64;
  }
]
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.interfaces.<name>.ipv6.addresses.*.address

IPv6 address of the interface. Leave empty to configure the interface using DHCP.

Type: string

Declared by:

<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.interfaces.<name>.ipv6.addresses.*.prefixLength

Subnet mask of the interface, specified as the number of bits in the prefix (‘64’).

Type: integer between 0 and 128 (both inclusive)

Declared by:

<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.interfaces.<name>.ipv6.routes

List of extra IPv6 static routes that will be assigned to the interface.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    address = "fdfd:b3f0::";
    prefixLength = 48;
  }
  {
    address = "2001:1470:fffd:2098::";
    prefixLength = 64;
    via = "fdfd:b3f0::1";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.interfaces.<name>.ipv6.routes.*.address

IPv6 address of the network.

Type: string

Declared by:

<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.interfaces.<name>.ipv6.routes.*.options

Other route options. See the symbol ‘OPTIONS’ in the **ip−route**(8) manual page for the details. You may also specify ‘metric’, ‘src’, ‘protocol’, ‘scope’, ‘from’ and ‘table’, which are technically not route options, in the sense used in the manual.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  mtu = "1492";
  window = "524288";
```

```
}
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.interfaces.<name>.ipv6.routes.*.prefixLength
Subnet mask of the network, specified as the number of bits in the prefix (‘64’).

Type: integer between 0 and 128 (both inclusive)

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.interfaces.<name>.ipv6.routes.*.type
Type of the route. See the ‘Route types’ section in the **ip−route**(8) manual page for the details.

Note that ‘prohibit’, ‘blackhole’, ‘unreachable’, and ‘throw’ cannot be configured per device, so they are not available here. Similarly, ‘nat’ hasn’t been supported since kernel 2.6.

Type: null or one of “unicast”, “local”, “broadcast”, “multicast”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.interfaces.<name>.ipv6.routes.*.via
IPv6 address of the next hop.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.interfaces.<name>.macAddress
MAC address of the interface. Leave empty to use the default.

Type: null or string

Default:

```
null
```

Example:

```
"00:11:22:33:44:55"
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.interfaces.<name>.mtu
MTU size for packets leaving the interface. Leave empty to use the default.

Type: null or signed integer

Default:

```
null
```

Example:

```
9000
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.interfaces.<name>.name
Name of the interface.

Type: string

Example:

```
"eth0"
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.interfaces.<name>.proxyARP
Turn on proxy_arp for this device. This is mainly useful for creating pseudo−bridges between a real interface and a virtual network such as VPN or a virtual machine for interfaces that don't support real bridging (most wlan interfaces). As ARP proxying acts slightly above the link−layer, below−ip traffic isn't bridged, so things like DHCP won't work. The advantage above using NAT lies in the fact that no IP addresses are shared, so all hosts are reachable/routeable.

WARNING: turns on ip−routing, so if you have multiple interfaces, you should think of the consequence and setup firewall rules to limit this.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.interfaces.<name>.tempAddress
When IPv6 is enabled with SLAAC, this option controls the use of temporary address (aka privacy extensions) on this interface. This is used to reduce tracking.

See also the global option **networking.tempAddresses**, which applies to all interfaces where this is not set.

Possible values are:

- '"default"' to generate IPv6 temporary addresses and use these as source addresses in routing;
- '"disabled"' to completely disable IPv6 temporary addresses;
- '"enabled"' to generate IPv6 temporary addresses but still use EUI−64 addresses as source addresses;

Type: one of "default", "disabled", "enabled"

Default:

```
config.networking.tempAddresses
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.interfaces.<name>.useDHCP
Whether this interface should be configured with DHCP. Overrides the default set by **networking.useDHCP**. If 'null' (the default), DHCP is enabled if the interface has no IPv4 addresses configured with **networking.interfaces.<name>.ipv4.addresses**, and disabled otherwise.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.interfaces.<name>.virtual
Whether this interface is virtual and should be created by tunctl. This is mainly useful for creating bridges between a host and a virtual network such as VPN or a virtual machine.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.interfaces.<name>.virtualOwner
In case of a virtual device, the user who owns it. ‘null’ will not set owner, allowing access to any user.

Type: null or string

Default:

```
"root"
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.interfaces.<name>.virtualType
The type of interface to create. The default is TUN for an interface name starting with “tun”, otherwise TAP.

Type: one of “tun”, “tap”

Default:

```
if hasPrefix "tun" name then "tun" else "tap"
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.interfaces.<name>.wakeOnLan.enable
Whether to enable wol on this interface.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.interfaces.<name>.wakeOnLan.policy
The **Wake−on−LAN policy** to set for the device.

The options are

- ‘phy’: Wake on PHY activity
- ‘unicast’: Wake on unicast messages
- ‘multicast’: Wake on multicast messages
- ‘broadcast’: Wake on broadcast messages
- ‘arp’: Wake on ARP
- ‘magic’: Wake on receipt of a magic packet

Type: list of (one of “phy”, “unicast”, “multicast”, “broadcast”, “arp”, “magic”, “secureon”)

Default:

```
[
  "magic"
]
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.ipips
This option allows you to define interfaces encapsulating IP packets within IP packets; which should be automatically created.

For example, this allows you to create 4in6 (RFC 2473) or IP within IP (RFC 2003) tunnels.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  wan4in6 = {
    remote = "2001:db8::1";
    local = "2001:db8::3";
    dev = "wan6";
    encapsulation.type = "4in6";
    encapsulation.limit = 0;
  };
}
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.ipips.<name>.dev
The underlying network device on which the tunnel resides.

Type: null or string

Default:

```
null
```

Example:

```
"wan6"
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.ipips.<name>.encapsulation.limit
For an IPv6−based tunnel, the maximum number of nested encapsulation to allow. 0 means no nesting, “none” unlimited.

Type: value “none” (singular enum) or (unsigned integer, meaning >=0)

Default:

```
4
```

Example:

```
"none"
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.ipips.<name>.encapsulation.type
Select the encapsulation type:

- ‘ipip’ to create an IPv4 within IPv4 tunnel (RFC 2003).
- ‘4in6’ to create a 4in6 tunnel (RFC 2473);
- ‘ip6ip6’ to create an IPv6 within IPv6 tunnel (RFC 2473);

Note
For encapsulating IPv6 within IPv4 packets, see the ad−hoc **networking.sits** option.

Type: one of “ipip”, “4in6”, “ip6ip6”

Default:

```
"ipip"
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.ipips.<name>.local
The address of the local endpoint which the remote side should send packets to.

Type: string

Example:

```
"2001:db8::3"
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.ipips.<name>.remote
The address of the remote endpoint to forward traffic over.

Type: string

Example:

```
"2001:db8::1"
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.ipips.<name>.ttl
The time−to−live of the connection to the remote tunnel endpoint.

Type: null or signed integer

Default:

```
null
```

Example:

```
255
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.iproute2.enable

Whether to enable copying IP route configuration files.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/config/iproute2.nix>

networking.iproute2.rttablesExtraConfig

Verbatim lines to add to /etc/iproute2/rt_tables

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/config/iproute2.nix>

networking.ipvlans

This option allows you to define ipvlan interfaces which should be automatically created.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  wan = {
    interface = "enp2s0";
    mode = "l2";
    flags = "vepa";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.ipvlans.<name>.flags

The flags of the ipvlan device.

Type: null or string

Default:

```
null
```

Example:

```
"vepa"
```

Declared by:

<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.ipvlans.<name>.interface

The interface the ipvlan will transmit packets through.

Type: string

Example:

```
"enp4s0"
```

Declared by:

<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.ipvlans.<name>.mode

The mode of the interface.

Type: one of “l2”, “l3”, “l3s”

Default:

```
"l2"
```

Declared by:

<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.jool.enable

Whether to enable Jool, an Open Source implementation of IPv4/IPv6 translation on Linux.

Jool can perform stateless IP/ICMP translation (SIIT) or stateful NAT64, analogous to the IPv4 NAPT. Refer to the upstream **documentation** for the supported modes of translation and how to configure them.

Enabling this option will install the Jool kernel module and the command line tools for controlling it.

Type: boolean

Default:

```
false
```

Related packages:

- ‘pkgs.linuxPackages.jool’
- ‘pkgs.jool−cli’

Declared by:

<nixpkgs/nixos/modules/services/networking/jool.nix>

networking.jool.nat64

Definitions of NAT64 instances of Jool. See the **documentation** for the available options. Also check out the **tutorial** for an introduction to NAT64 and how to troubleshoot the setup.

The attribute name defines the name of the instance, with the main one being ‘default’: this can be accessed from the command line without specifying the name with ‘−i’.

Note
Instances created imperatively from the command line will not interfere with the NixOS instances, provided the respective ‘pool4’ addresses and port ranges are not overlapping.

Warning
Changes to an instance performed via ‘jool −i <name>’ are applied correctly but will be lost after restarting the respective ‘jool−nat64−<name>.service’.

Type: attribute set of (open submodule of (JSON value))

Default:

```
{ }
```

Example:

```
{
  default = {
    # custom NAT64 prefix
    global.pool6 = "2001:db8:64::/96";
    # Port forwarding
    bib = [
      { # SSH 192.0.2.16 → 2001:db8:a::1
        "protocol"     = "TCP";
        "ipv4 address" = "192.0.2.16#22";
        "ipv6 address" = "2001:db8:a::1#22";
      }
      { # DNS (TCP) 192.0.2.16 → 2001:db8:a::2
        "protocol"     = "TCP";
        "ipv4 address" = "192.0.2.16#53";
        "ipv6 address" = "2001:db8:a::2#53";
      }
      { # DNS (UDP) 192.0.2.16 → 2001:db8:a::2
        "protocol" = "UDP";
        "ipv4 address" = "192.0.2.16#53";
        "ipv6 address" = "2001:db8:a::2#53";
      }
    ];
    pool4 = [
      # Port ranges for dynamic translation
      { protocol =  "TCP";  prefix = "192.0.2.16/32"; "port range"  \
= "40001-65535"; }
      { protocol =  "UDP";  prefix = "192.0.2.16/32"; "port range"  \
= "40001-65535"; }
      { protocol = "ICMP";  prefix = "192.0.2.16/32"; "port range"  \
= "40001-65535"; }
      # Ports for static BIB entries
      { protocol =  "TCP";  prefix = "192.0.2.16/32"; "port range"  \
= "22"; }
      { protocol =  "UDP";  prefix = "192.0.2.16/32"; "port range"  \
= "53"; }
    ];
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/jool.nix>

networking.jool.nat64.<name>.framework

The framework to use for attaching Jool's translation to the exist kernel packet processing rules. See the **documentation** for the differences between the two options.

Type: one of "netfilter", "iptables"

Default:

```
"netfilter"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/jool.nix>

networking.jool.nat64.<name>.global.pool6

The prefix used for embedding IPv4 into IPv6 addresses. Defaults to the well−known NAT64 prefix, defined by **RFC 6052**.

Type: Network prefix in CIDR notation

Default:

```
"64:ff9b::/96"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/jool.nix>

networking.jool.siit

Definitions of SIIT instances of Jool. See the **documentation** for the available options. Also check out the **tutorial** for an introduction to SIIT and how to troubleshoot the setup.

The attribute name defines the name of the instance, with the main one being 'default': this can be accessed from the command line without specifying the name with '−i'.

Note

Instances created imperatively from the command line will not interfere with the NixOS instances, provided the respective EAMT addresses and port ranges are not overlapping.

Warning

Changes to an instance performed via 'jool −i <name>' are applied correctly but will be lost after restarting the respective 'jool−siit−<name>.service'.

Type: attribute set of (open submodule of (JSON value))

Default:

```
{ }
```

Example:

```
{
  default = {
    # Maps any IPv4 address x.y.z.t to 2001:db8::x.y.z.t and v.v.
    global.pool6 = "2001:db8::/96";
    # Explicit address mappings
    eamt = [
      # 2001:db8:1:: ←→ 192.0.2.0
      { "ipv6 prefix" = "2001:db8:1::/128"; "ipv4 prefix" = "192.0. \
2.0"; }
      # 2001:db8:1::x ←→ 198.51.100.x
      { "ipv6 prefix" = "2001:db8:2::/120"; "ipv4 prefix" = "198.51 \
.100.0/24"; }
    ];
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/jool.nix>

networking.jool.siit.<name>.framework

The framework to use for attaching Jool's translation to the exist kernel packet processing rules. See the **documentation** for the differences between the two options.

Type: one of "netfilter", "iptables"

Default:

```
"netfilter"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/jool.nix>

networking.localCommands
Shell commands to be executed at the end of the ‘network−setup’ systemd service. Note that if you are using DHCP to obtain the network configuration, interfaces may not be fully configured yet.

Type: strings concatenated with “\n”

Default:
```
""
```

Example:
```
"text=anything; echo You can put $text here."
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.macvlans
This option allows you to define macvlan interfaces which should be automatically created.

Type: attribute set of (submodule)

Default:
```
{ }
```

Example:
```
{
  wan = {
    interface = "enp2s0";
    mode = "vepa";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.macvlans.<name>.interface
The interface the macvlan will transmit packets through.

Type: string

Example:
```
"enp4s0"
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.macvlans.<name>.mode
The mode of the macvlan device.

Type: null or string

Default:
```
null
```

Example:
```
"vepa"
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.modemmanager.enable
Whether to use ModemManager to manage modem devices. This is usually used by some higher layer manager such as NetworkManager but can be used standalone especially if using a modem for non−IP connectivity (e.g. GPS).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/modemmanager.nix>

networking.modemmanager.package
The modemmanager package to use.

Type: package

Default:

```
pkgs.modemmanager
```

Declared by:
<nixpkgs/nixos/modules/services/networking/modemmanager.nix>

networking.modemmanager.fccUnlockScripts
List of FCC unlock scripts to enable on the system, behaving as described in https://modemmanager.org/docs/modemmanager/fcc−unlock/#integration−with−third−party−fcc−unlock−tools.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[{ id = "03f0:4e1d"; path = "${pkgs.modemmanager}/share/ModemManage \
r/fcc−unlock.available.d/03f0:4e1d"; }]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/modemmanager.nix>

networking.modemmanager.fccUnlockScripts.*.id
vid:pid of either the PCI or USB vendor and product ID

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/modemmanager.nix>

networking.modemmanager.fccUnlockScripts.*.path
Path to the unlock script

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/networking/modemmanager.nix>

networking.nameservers

The list of nameservers. It can be left empty if it is auto−detected through DHCP.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "130.161.158.4"
  "130.161.33.17"
]
```

Declared by:

<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.nat.enable

Whether to enable Network Address Translation (NAT). A properly configured firewall or a trusted L2 on all network interfaces is required to prevent unauthorized access to the internal network.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nat.nix>

networking.nat.enableIPv6

Whether to enable IPv6 NAT.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nat.nix>

networking.nat.dmzHost

The local IP address to which all traffic that does not match any forwarding rule is forwarded.

Type: null or string

Default:

```
null
```

Example:

```
"10.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nat.nix>

networking.nat.externalIP

The public IP address to which packets from the local network are to be rewritten. If this is left empty, the IP address associated with the external interface will be used. Only connections made to this IP address will be forwarded to the internal network when using forwardPorts.

Type: null or string

Default:

```
null
```

Example:

```
"203.0.113.123"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nat.nix>

networking.nat.externalIPv6
The public IPv6 address to which packets from the local network are to be rewritten. If this is left empty, the IP address associated with the external interface will be used. Only connections made to this IP address will be forwarded to the internal network when using forwardPorts.

Type: null or string

Default:

```
null
```

Example:

```
"2001:dc0:2001:11::175"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nat.nix>

networking.nat.externalInterface
The name of the external network interface.

Type: null or string

Default:

```
null
```

Example:

```
"eth1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nat.nix>

networking.nat.extraCommands
Additional shell commands executed as part of the nat initialisation script.

This option is incompatible with the nftables based nat module.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
"iptables -A INPUT -p icmp -j ACCEPT"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nat-iptables.nix>

networking.nat.extraStopCommands
Additional shell commands executed as part of the nat teardown script.

This option is incompatible with the nftables based nat module.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
"iptables -D INPUT -p icmp -j ACCEPT || true"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nat-iptables.nix>

networking.nat.forwardPorts

List of forwarded ports from the external interface to internal destinations by using DNAT. Destination can be IPv6 if IPv6 NAT is enabled.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    destination = "10.0.0.1:80";
    proto = "tcp";
    sourcePort = 8080;
  }
  {
    destination = "[fc00::2]:80";
    proto = "tcp";
    sourcePort = 8080;
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nat.nix>

networking.nat.forwardPorts.*.destination

Forward connection to destination ip:port (or [ipv6]:port); to specify a port range, use ip:start-end

Type: string

Example:

```
"10.0.0.1:80"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nat.nix>

networking.nat.forwardPorts.*.loopbackIPs

Public IPs for NAT reflection; for connections to ‘loopbackip:sourcePort’ from the host itself and from other hosts behind NAT

Type: list of string

Default:

```
[ ]
```

Example:

```
[ "55.1.2.3" ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nat.nix>

networking.nat.forwardPorts.*.proto

Protocol of forwarded connection

Type: string

Default:

```
"tcp"
```

Example:

```
"udp"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nat.nix>

networking.nat.forwardPorts.*.sourcePort

Source port of the external interface; to specify a port range, use a string with a colon (e.g. “60000:61000”)

Type: signed integer or string matching the pattern [[:digit:]]+:[[:digit:]]+

Example:

```
8080
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nat.nix>

networking.nat.internalIPs

The IP address ranges for which to perform NAT. Packets coming from these addresses (on any interface) and destined for the external interface will be rewritten.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "192.168.1.0/24"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nat.nix>

networking.nat.internalIPv6s

The IPv6 address ranges for which to perform NAT. Packets coming from these addresses (on any interface) and destined for the external interface will be rewritten.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "fc00::/64"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nat.nix>

networking.nat.internalInterfaces

The interfaces for which to perform NAT. Packets coming from these interface and destined for the external interface will be rewritten.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "eth0"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nat.nix>

networking.networkmanager.enable

Whether to use NetworkManager to obtain an IP address and other configuration for all network interfaces that are not manually configured. If enabled, a group 'networkmanager' will be created. Add all users that should have permission to change network settings to this group.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/networkmanager.nix>

networking.networkmanager.package

The networkmanager package to use.

Type: package

Default:

```
pkgs.networkmanager
```

Declared by:

<nixpkgs/nixos/modules/services/networking/networkmanager.nix>

networking.networkmanager.appendNameservers

A list of name servers that should be appended to the ones configured in NetworkManager or received by DHCP.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/networkmanager.nix>

networking.networkmanager.connectionConfig

Configuration for the [connection] section of NetworkManager.conf. Refer to **https://developer.gnome.org/NetworkManager/stable/NetworkManager.conf.html#id−1.2.3.11** or **NetworkManager.conf**(5) for more information.

Type: attribute set of (null or boolean or signed integer or string)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/networkmanager.nix>

networking.networkmanager.dhcp
Which program (or internal library) should be used for DHCP.

Type: one of “dhcpcd”, “internal”

Default:

```
"internal"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/networkmanager.nix>

networking.networkmanager.dispatcherScripts
A list of scripts which will be executed in response to network events.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[ {
  source = pkgs.writeText "upHook" ''
    if [ "$2" != "up" ]; then
      logger "exit: event $2 != up"
      exit
    fi
    # coreutils and iproute are in PATH too
    logger "Device $DEVICE_IFACE coming up"
  '';
  type = "basic";
} ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/networkmanager.nix>

networking.networkmanager.dispatcherScripts.*.source
Path to the hook script.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/networking/networkmanager.nix>

networking.networkmanager.dispatcherScripts.*.type
Dispatcher hook type. Look up the hooks described at **https://developer.gnome.org/NetworkManager/stable/NetworkManager.html** and choose the type depending on the output folder. You should then filter the event type (e.g., “up”/“down”) from within your script.

Type: one of “basic”, “pre−down”, “pre−up”

Default:

```
"basic"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/networkmanager.nix>

networking.networkmanager.dns

Set the DNS (*resolv.conf*) processing mode.

A description of these modes can be found in the main section of **https://developer.gnome.org/NetworkManager/stable/NetworkManager.conf.html** or in **NetworkManager.conf**(5).

Type: one of “default”, “dnsmasq”, “systemd−resolved”, “none”

Default:

```
"default"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/networkmanager.nix>

networking.networkmanager.ensureProfiles.environmentFiles

Files to load as environment file. Environment variables from this file will be substituted into the static configuration file using **envsubst**.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[
  "/run/secrets/network-manager.env"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/networkmanager.nix>

networking.networkmanager.ensureProfiles.profiles

Declaratively define NetworkManager profiles. You can find information about the generated file format **here** and **here**. You current profiles which are most likely stored in ‘/etc/NetworkManager/system−connections’ and there is **a tool** to convert them to the needed nix code. If you add a new ad−hoc connection via a GUI or nmtui or anything similar it should just work together with the declarative ones. And if you edit a declarative profile NetworkManager will move it to the persistent storage and treat it like a ad−hoc one, but there will be two profiles as soon as the systemd unit from this option runs again which can be confusing since NetworkManager tools will start displaying two profiles with the same name and probably a bit different settings depending on what you edited. A profile won’t be deleted even if it’s removed from the config until the system reboots because that’s when NetworkManager clears it’s temp directory. If ‘networking.resolvconf.enable’ is true, attributes affecting the name resolution (such as ‘ignore−auto−dns’) may not end up changing ‘/etc/resolv.conf’ as expected when other name services (for example ‘networking.dhcpcd’) are enabled. Run ‘resolvconf −l’ in the terminal to see what each service produces.

Type: attribute set of (open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string)))

Default:

```
{ }
```

Example:

```
{
  home-wifi = {
    connection = {
      id = "home-wifi";
      permissions = "";
      type = "wifi";
```

```
      };
      ipv4 = {
        dns-search = "";
        method = "auto";
      };
      ipv6 = {
        addr-gen-mode = "stable-privacy";
        dns-search = "";
        method = "auto";
      };
      wifi = {
        mac-address-blacklist = "";
        mode = "infrastructure";
        ssid = "Home Wi-Fi";
      };
      wifi-security = {
        auth-alg = "open";
        key-mgmt = "wpa-psk";
        psk = "$HOME_WIFI_PASSWORD";
      };
    };
  }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/networkmanager.nix>

networking.networkmanager.ensureProfiles.profiles.<name>.connection.id
This is the name that will be displayed by NetworkManager and GUIs.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/networkmanager.nix>

networking.networkmanager.ensureProfiles.profiles.<name>.connection.type
The connection type defines the connection kind, like vpn, wireguard, gsm, wifi and more.

Type: string

Example:

```
"vpn"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/networkmanager.nix>

networking.networkmanager.ensureProfiles.secrets.package
The nm-file-secret-agent package to use.

Type: package

Default:

```
pkgs.nm-file-secret-agent
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nm-file-secret-agent.nix>

networking.networkmanager.ensureProfiles.secrets.entries

A list of secrets to provide to NetworkManager by reading their values from configured files.

Note that NetworkManager should be configured to read secrets from a secret agent. This can be done for example through the ‘networking.networkmanager.ensureProfiles.profiles’ options.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    file = "/root/wireguard_key";
    key = "private-key";
    matchId = "My WireGuard VPN";
    matchSetting = "wireguard";
    matchType = "wireguard";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nm-file-secret-agent.nix>

networking.networkmanager.ensureProfiles.secrets.entries.*.file

file from which the secret value is read

Type: string

Declared by:

<nixpkgs/nixos/modules/services/networking/nm-file-secret-agent.nix>

networking.networkmanager.ensureProfiles.secrets.entries.*.key

key in the setting section for which this entry provides a value

Type: string

Declared by:

<nixpkgs/nixos/modules/services/networking/nm-file-secret-agent.nix>

networking.networkmanager.ensureProfiles.secrets.entries.*.matchId

connection id used by NetworkManager. Often displayed as name in GUIs.

NetworkManager describes this as a human readable unique identifier for the connection, like “Work Wi-Fi” or “T-Mobile 3G”.

Type: null or string

Default:

```
null
```

Example:

```
"wifi1"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nm-file-secret-agent.nix>

networking.networkmanager.ensureProfiles.secrets.entries.*.matchIface
interface name of the NetworkManager connection

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nm−file−secret−agent.nix>

networking.networkmanager.ensureProfiles.secrets.entries.*.matchSetting
name of the setting section for which secrets are requested

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nm−file−secret−agent.nix>

networking.networkmanager.ensureProfiles.secrets.entries.*.matchType
NetworkManager connection type

The NetworkManager configuration settings reference roughly corresponds to connection types. More might be available on your system depending on the installed plugins.

https://networkmanager.dev/docs/api/latest/ch01.html

Type: null or string

Default:

```
null
```

Example:

```
"wireguard"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nm−file−secret−agent.nix>

networking.networkmanager.ensureProfiles.secrets.entries.*.matchUuid
UUID of the connection profile

UUIDs are assigned once on connection creation and should never change as long as the connection still applies to the same network.

Type: null or string

Default:

```
null
```

Example:

```
"669ea4c9−4cb3−4901−ab52−f9606590976e"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nm−file−secret−agent.nix>

networking.networkmanager.ensureProfiles.secrets.entries.*.trim

whether leading and trailing whitespace should be stripped from the files content before being passed to NetworkManager

Type: null or boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nm-file-secret-agent.nix>

networking.networkmanager.ethernet.macAddress

Set the MAC address of the interface.

- ‘"XX:XX:XX:XX:XX:XX"’: MAC address of the interface
- ‘"permanent"’: Use the permanent MAC address of the device
- ‘"preserve"’: Don’t change the MAC address of the device upon activation
- ‘"random"’: Generate a randomized value upon each connect
- ‘"stable"’: Generate a stable, hashed MAC address

Type: string or one of “permanent”, “preserve”, “random”, “stable”

Default:

```
"preserve"
```

Example:

```
"00:11:22:33:44:55"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/networkmanager.nix>

networking.networkmanager.insertNameservers

A list of name servers that should be inserted before the ones configured in NetworkManager or received by DHCP.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/networkmanager.nix>

networking.networkmanager.logLevel

Set the default logging verbosity level.

Type: one of “OFF”, “ERR”, “WARN”, “INFO”, “DEBUG”, “TRACE”

Default:

```
"WARN"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/networkmanager.nix>

networking.networkmanager.plugins

List of plugin packages to install.

See **https://search.nixos.org/packages?query=networkmanager-** for available plugin packages. and **https://networkmanager.dev/docs/vpn/** for an overview over builtin and external plugins and their support status.

Type: list of NetworkManager plugin package

Default:

```
[ ]
```

Example:

```
with pkgs; [
  networkmanager-fortisslvpn
  networkmanager-iodine
  networkmanager-l2tp
  networkmanager-openconnect
  networkmanager-openvpn
  networkmanager-sstp
  networkmanager-strongswan
  networkmanager-vpnc
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/networkmanager.nix>

networking.networkmanager.settings
Configuration added to the generated NetworkManager.conf, note that you can overwrite settings with this. Refer to **https://developer.gnome.org/NetworkManager/stable/NetworkManager.conf.html** or **NetworkManager.conf**(5) for more information.

Type: attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/networkmanager.nix>

networking.networkmanager.unmanaged
List of interfaces that will not be managed by NetworkManager. Interface name can be specified here, but if you need more fidelity, refer to **https://developer.gnome.org/NetworkManager/stable/NetworkManager.conf.html#device-spec** or the "Device List Format" Appendix of **NetworkManager.conf**(5).

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/networkmanager.nix>

networking.networkmanager.wifi.backend
Specify the Wi-Fi backend used for the device. Currently supported are **wpa_supplicant** or **iwd** (experimental).

Type: one of "wpa_supplicant", "iwd"

Default:

```
"wpa_supplicant"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/networkmanager.nix>

networking.networkmanager.wifi.macAddress

Set the MAC address of the interface.

- ‘"XX:XX:XX:XX:XX:XX"’: MAC address of the interface
- ‘"permanent"’: Use the permanent MAC address of the device
- ‘"preserve"’: Don’t change the MAC address of the device upon activation
- ‘"random"’: Generate a randomized value upon each connect
- ‘"stable"’: Generate a stable, hashed MAC address
- ‘"stable−ssid"’: Generate a stable MAC addressed based on Wi−Fi network

Type: string or one of “permanent”, “preserve”, “random”, “stable”, “stable−ssid”

Default:

```
"preserve"
```

Example:

```
"00:11:22:33:44:55"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/networkmanager.nix>

networking.networkmanager.wifi.powersave

Whether to enable Wi−Fi power saving.

Type: null or boolean

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/networkmanager.nix>

networking.networkmanager.wifi.scanRandMacAddress

Whether to enable MAC address randomization of a Wi−Fi device during scanning.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/networkmanager.nix>

networking.nftables.enable

Whether to enable nftables and use nftables based firewall if enabled. nftables is a Linux−based packet filtering framework intended to replace frameworks like iptables.

Note that if you have Docker enabled you will not be able to use nftables without intervention. Docker uses iptables internally to setup NAT for containers. This module disables the ip_tables kernel module, however Docker automatically loads the module. Please see **https://github.com/NixOS/nixpkgs/issues/24318#issuecomment−289216273** for more information.

There are other programs that use iptables internally too, such as libvirt. For information on how the two firewalls interact, see **https://wiki.nftables.org/wiki−nftables/index.php/Troubleshooting#Question_4._How_do_nftables_and_iptables_interact_when_used_on_the_same_system.3F**.

Some network configurations may prevent VMs from having network access, see **https://wiki.nixos.org/wiki/Networking#Virtualization**.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nftables.nix>

networking.nftables.checkRuleset

Run ‘nft check’ on the ruleset to spot syntax errors during build. Because this is executed in a sandbox, the check might fail if it requires access to any environmental factors or paths outside the Nix store. To circumvent this, the ruleset file can be edited using the preCheckRuleset option to work in the sandbox environment.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nftables.nix>

networking.nftables.checkRulesetRedirects

Set of paths that should be intercepted and rewritten while checking the ruleset using ‘pkgs.buildPackages.libredirect’.

Type: attribute set of absolute path

Default:

```
{
  "/etc/hosts" = config.environment.etc.hosts.source;
  "/etc/protocols" = config.environment.etc.protocols.source;
  "/etc/services" = config.environment.etc.services.source;
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nftables.nix>

networking.nftables.extraDeletions

Extra deletion commands to be run on every firewall start, reload and after stopping the firewall.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
  # this makes deleting a non-existing table a no-op instead of a \
n error
  table inet some-table;

  delete table inet some-table;
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nftables.nix>

networking.nftables.flattenRulesetFile

Use ‘builtins.readFile’ rather than ‘include’ to handle **networking.nftables.rulesetFile**. It is useful when you want to apply **networking.nftables.preCheckRuleset** to **networking.nftables.rulesetFile**.

Note

It is expected that **networking.nftables.rulesetFile** can be accessed from the build sandbox.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nftables.nix>

networking.nftables.flushRuleset

Whether to enable flushing the entire ruleset on each reload.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nftables.nix>

networking.nftables.preCheckRuleset

This script gets run before the ruleset is checked. It can be used to create additional files needed for the ruleset check to work, or modify the ruleset for cases the build environment cannot cover.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
# replace users/groups that don't exist in the test
sed 's/skgid meadow/skgid root/g' -i ruleset.conf
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nftables.nix>

networking.nftables.ruleset

The ruleset to be used with nftables. Should be in a format that can be loaded using “/bin/nft −f”. The ruleset is updated atomically. Note that if the tables should be cleaned first, either:

- networking.nftables.flushRuleset = true; needs to be set (flushes all tables)
- networking.nftables.extraDeletions needs to be set
- or networking.nftables.tables can be used, which will clean up the table automatically

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
# Check out https://wiki.nftables.org/ for better documentation.
# Table for both IPv4 and IPv6.
table inet filter {
  # Block all incoming connections traffic except SSH and "ping".
  chain input {
    type filter hook input priority 0;

    # accept any localhost traffic
    iifname lo accept
```

```
      # accept traffic originated from us
      ct state {established, related} accept

      # ICMP
      # routers may also want: mld-listener-query, nd-router-so \
licit
      ip6 nexthdr icmpv6 icmpv6 type { destination-unreachable, pa \
cket-too-big, time-exceeded, parameter-problem, nd-router-adv \
ert, nd-neighbor-solicit, nd-neighbor-advert } accept
      ip protocol icmp icmp type { destination-unreachable, router \
-advertisement, time-exceeded, parameter-problem } accept

      # allow "ping"
      ip6 nexthdr icmpv6 icmpv6 type echo-request accept
      ip protocol icmp icmp type echo-request accept

      # accept SSH connections (required for a server)
      tcp dport 22 accept

      # count and drop any other traffic
      counter drop
    }

    # Allow all outgoing connections.
    chain output {
      type filter hook output priority 0;
      accept
    }

    chain forward {
      type filter hook forward priority 0;
      accept
    }
  }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nftables.nix>

networking.nftables.rulesetFile

The ruleset file to be used with nftables. Should be in a format that can be loaded using “nft -f”. The ruleset is updated atomically.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nftables.nix>

networking.nftables.tables

Tables to be added to ruleset. Tables will be added together with delete statements to clean up the table before every update.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  filter = {
    content = ''
      # Check out https://wiki.nftables.org/ for better documentati \
on.
      # Table for both IPv4 and IPv6.
      # Block all incoming connections traffic except SSH and "ping \
".
      chain input {
        type filter hook input priority 0;

        # accept any localhost traffic
        iifname lo accept

        # accept traffic originated from us
        ct state {established, related} accept

        # ICMP
        # routers may also want: mld-listener-query, nd-router- \
solicit
        ip6 nexthdr icmpv6 icmpv6 type { destination-unreachable,  \
packet-too-big, time-exceeded, parameter-problem, nd-router-a \
dvert, nd-neighbor-solicit, nd-neighbor-advert } accept
        ip protocol icmp icmp type { destination-unreachable, rout \
er-advertisement, time-exceeded, parameter-problem } accept

        # allow "ping"
        ip6 nexthdr icmpv6 icmpv6 type echo-request accept
        ip protocol icmp icmp type echo-request accept

        # accept SSH connections (required for a server)
        tcp dport 22 accept

        # count and drop any other traffic
        counter drop
      }

      # Allow all outgoing connections.
      chain output {
        type filter hook output priority 0;
        accept
      }

      chain forward {
        type filter hook forward priority 0;
        accept
      }
    '';
    family = "inet";
  };
```

```
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nftables.nix>

networking.nftables.tables.<name>.enable
Enable this table.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nftables.nix>

networking.nftables.tables.<name>.content
The table content.

Type: strings concatenated with “\n”

Declared by:
<nixpkgs/nixos/modules/services/networking/nftables.nix>

networking.nftables.tables.<name>.family
Table family.

Type: one of “ip”, “ip6”, “inet”, “arp”, “bridge”, “netdev”

Declared by:
<nixpkgs/nixos/modules/services/networking/nftables.nix>

networking.nftables.tables.<name>.name
Table name.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/nftables.nix>

networking.openconnect.package
The openconnect package to use.

Type: package

Default:

```
pkgs.openconnect
```

Declared by:
<nixpkgs/nixos/modules/services/networking/openconnect.nix>

networking.openconnect.interfaces
OpenConnect interfaces.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  openconnect0 = {
    gateway = "gateway.example.com";
    passwordFile = "/var/lib/secrets/openconnect-passwd";
    protocol = "anyconnect";
```

```
    user = "example-user";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/openconnect.nix>

networking.openconnect.interfaces.<name>.autoStart
Whether this VPN connection should be started automatically.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/openconnect.nix>

networking.openconnect.interfaces.<name>.certificate
Certificate to authenticate with.

Type: null or absolute path or PKCS#11 URI

Default:

```
null
```

Example:

```
"/var/lib/secrets/openconnect_certificate.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/openconnect.nix>

networking.openconnect.interfaces.<name>.extraOptions
Extra config to be appended to the interface config. It should contain long-format options as would be accepted on the command line by 'openconnect' (see **https://www.infradead.org/openconnect/manual.html**). Non-key-value options like 'deflate' can be used by declaring them as booleans, i. e. 'deflate = true;'.

Type: attribute set of (string or boolean)

Default:

```
{ }
```

Example:

```
{
  compression = "stateless";
  no-dtls = true;
  no-http-keepalive = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/openconnect.nix>

networking.openconnect.interfaces.<name>.gateway
Gateway server to connect to.

Type: string

Example:

```
"gateway.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/openconnect.nix>

networking.openconnect.interfaces.<name>.passwordFile
File containing the password to authenticate with. This is passed to 'openconnect' via the '−−passwd−on−stdin' option.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/lib/secrets/openconnect−passwd"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/openconnect.nix>

networking.openconnect.interfaces.<name>.privateKey
Private key to authenticate with.

Type: null or absolute path or PKCS#11 URI

Default:

```
null
```

Example:

```
"/var/lib/secrets/openconnect_private_key.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/openconnect.nix>

networking.openconnect.interfaces.<name>.protocol
Protocol to use.

Type: one of "anyconnect", "array", "nc", "pulse", "gp", "f5", "fortinet"

Example:

```
"anyconnect"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/openconnect.nix>

networking.openconnect.interfaces.<name>.user
Username to authenticate with.

Type: null or string

Default:

```
null
```

Example:

```
"example−user"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/openconnect.nix>

networking.proxy.allProxy

This option specifies the all_proxy environment variable.

Type: null or string

Default:

```
config.networking.proxy.default
```

Example:

```
"http://127.0.0.1:3128"
```

Declared by:
<nixpkgs/nixos/modules/config/networking.nix>

networking.proxy.default

This option specifies the default value for httpProxy, httpsProxy, ftpProxy and rsyncProxy.

Type: null or string

Default:

```
null
```

Example:

```
"http://127.0.0.1:3128"
```

Declared by:
<nixpkgs/nixos/modules/config/networking.nix>

networking.proxy.ftpProxy

This option specifies the ftp_proxy environment variable.

Type: null or string

Default:

```
config.networking.proxy.default
```

Example:

```
"http://127.0.0.1:3128"
```

Declared by:
<nixpkgs/nixos/modules/config/networking.nix>

networking.proxy.httpProxy

This option specifies the http_proxy environment variable.

Type: null or string

Default:

```
config.networking.proxy.default
```

Example:

```
"http://127.0.0.1:3128"
```

Declared by:
<nixpkgs/nixos/modules/config/networking.nix>

networking.proxy.httpsProxy

This option specifies the https_proxy environment variable.

Type: null or string

Default:

```
config.networking.proxy.default
```

Example:

```
"http://127.0.0.1:3128"
```

Declared by:
<nixpkgs/nixos/modules/config/networking.nix>

networking.proxy.noProxy
This option specifies the no_proxy environment variable. If a default proxy is used and noProxy is null, then noProxy will be set to 127.0.0.1,localhost.

Type: null or string

Default:

```
null
```

Example:

```
"127.0.0.1,localhost,.localdomain"
```

Declared by:
<nixpkgs/nixos/modules/config/networking.nix>

networking.proxy.rsyncProxy
This option specifies the rsync_proxy environment variable.

Type: null or string

Default:

```
config.networking.proxy.default
```

Example:

```
"http://127.0.0.1:3128"
```

Declared by:
<nixpkgs/nixos/modules/config/networking.nix>

networking.resolvconf.enable
Whether DNS configuration is managed by resolvconf.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/config/resolvconf.nix>

networking.resolvconf.package
The package that provides the system−wide resolvconf command. Defaults to ‘openresolv’ if this module is enabled. Otherwise, can be used by other modules (for example **services.resolved**) to provide a compatibility layer.

This option generally shouldn’t be set by the user.

Type: package

Default:

```
pkgs.openresolv
```

Declared by:
<nixpkgs/nixos/modules/config/resolvconf.nix>

networking.resolvconf.dnsExtensionMechanism

Enable the ‘edns0’ option in *resolv.conf*. With that option set, ‘glibc’ supports use of the extension mechanisms for DNS (EDNS) specified in RFC 2671. The most popular user of that feature is DNSSEC, which does not work without it.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/config/resolvconf.nix>

networking.resolvconf.dnsSingleRequest

Recent versions of glibc will issue both ipv4 (A) and ipv6 (AAAA) address queries at the same time, from the same port. Sometimes upstream routers will systemically drop the ipv4 queries. The symptom of this problem is that ‘getent hosts example.com’ only returns ipv6 (or perhaps only ipv4) addresses. The workaround for this is to specify the option ‘single−request’ in /etc/resolv.conf. This option enables that.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/config/resolvconf.nix>

networking.resolvconf.extraConfig

Extra configuration to append to *resolvconf.conf*.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
"libc=NO"
```

Declared by:

<nixpkgs/nixos/modules/config/resolvconf.nix>

networking.resolvconf.extraOptions

Set the options in */etc/resolv.conf*.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "ndots:1"
  "rotate"
]
```

Declared by:

<nixpkgs/nixos/modules/config/resolvconf.nix>

networking.resolvconf.useLocalResolver

Use local DNS server for resolving.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/config/resolvconf.nix>

networking.rxe.enable

Whether to enable RDMA over converged ethernet.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/rxe.nix>

networking.rxe.interfaces

Enable RDMA on the listed interfaces. The corresponding virtual RDMA interfaces will be named rxe_<interface>. UDP port 4791 must be open on the respective ethernet interfaces.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "eth0"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/rxe.nix>

networking.search

The list of domain search paths that are considered for resolving hostnames with fewer dots than configured in the ‘ndots’ option, which defaults to 1 if unset.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "example.com"
  "home.arpa"
]
```

Declared by:

<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.sits

This option allows you to define interfaces encapsulating IPv6 packets within IPv4 packets; which should be automatically created.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  hurricane = {
    remote = "10.0.0.1";
    local = "10.0.0.22";
    ttl = 255;
  };
  msipv6 = {
    remote = "192.168.0.1";
    dev = "enp3s0";
    ttl = 127;
  };
}
```

Declared by:

<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.sits.<name>.dev

The underlying network device on which the tunnel resides.

Type: null or string

Default:

```
null
```

Example:

```
"enp4s0f0"
```

Declared by:

<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.sits.<name>.encapsulation

Configures the type of encapsulation.

Type: null or (submodule)

Default:

```
{ }
```

Example:

```
{
  port = 9001;
  type = "fou";
}
```

Declared by:

<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.sits.<name>.encapsulation.port

Destination port when using UDP encapsulation.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Example:

```
9001
```

Declared by:

<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.sits.<name>.encapsulation.sourcePort

Source port when using UDP encapsulation. Will be chosen automatically by the kernel if unset.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Example:

```
9002
```

Declared by:

<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.sits.<name>.encapsulation.type

Select the encapsulation type:

- ‘6in4’: the IPv6 packets are encapsulated using the 6in4 protocol (formerly known as SIT, RFC 4213);
- ‘gue’: the IPv6 packets are encapsulated in UDP packets using the Generic UDP Encapsulation (GUE) scheme;
- ‘foo’: the IPv6 packets are encapsulated in UDP packets using the Foo over UDP (FOU) scheme.

Type: one of “6in4”, “fou”, “gue”

Default:

```
"6in4"
```

Declared by:

<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.sits.<name>.local

The address of the local endpoint which the remote side should send packets to.

Type: null or string

Default:

```
null
```

Example:

```
"10.0.0.22"
```

Declared by:

<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.sits.<name>.remote

The address of the remote endpoint to forward traffic over.

Type: null or string

Default:

```
null
```

Example:

```
"10.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.sits.<name>.ttl

The time−to−live of the connection to the remote tunnel endpoint.

Type: null or signed integer

Default:

```
null
```

Example:

```
255
```

Declared by:

<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.stevenblack.enable

Whether to enable the stevenblack hosts file blocklist.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/config/stevenblack.nix>

networking.stevenblack.package

The stevenblack−blocklist package to use.

Type: package

Default:

```
pkgs.stevenblack−blocklist
```

Declared by:

<nixpkgs/nixos/modules/config/stevenblack.nix>

networking.stevenblack.block

Additional blocklist extensions.

Type: list of (one of “fakenews”, “gambling”, “porn”, “social”)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/config/stevenblack.nix>

networking.stevenblack.whitelist
Domains to exclude from blocking.

Type: list of string matching the pattern ^[a−zA−Z0−9_−]+([.][a−zA−Z0−9_−]+)+$

Default:

```
[ ]
```

Example:

```
[
  "s.click.aliexpress.com"
]
```

Declared by:
<nixpkgs/nixos/modules/config/stevenblack.nix>

networking.supplicant
Interfaces for which to start **wpa_supplicant**. The supplicant is used to scan for and associate with wireless networks, or to authenticate with 802.1x capable network switches.

The value of this option is an attribute set. Each attribute configures a **wpa_supplicant** service, where the attribute name specifies the name of the interface that **wpa_supplicant** operates on. The attribute name can be a space separated list of interfaces. The attribute names ‘WLAN’, ‘LAN’ and ‘DBUS’ have a special meaning. ‘WLAN’ and ‘LAN’ are configurations for universal **wpa_supplicant** service that is started for each WLAN interface or for each LAN interface, respectively. ‘DBUS’ defines a device−unrelated **wpa_supplicant** service that can be accessed through ‘D−Bus’.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{ "wlan0 wlan1" = {
    configFile.path = "/etc/wpa_supplicant.conf";
    userControlled.group = "network";
    extraConf = ''
      ap_scan=1
      p2p_disabled=1
    '';
    extraCmdArgs = "−u −W";
    bridge = "br0";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/supplicant.nix>

networking.supplicant.<name>.bridge
Name of the bridge interface that wpa_supplicant should listen at.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/supplicant.nix>

networking.supplicant.<name>.configFile.path
External *wpa_supplicant.conf* configuration file. The configuration options defined declaratively within ‘networking.supplicant’ have precedence over options defined in ‘configFile’.

Type: null or absolute path

Default:

```
null
```

Example:

```
/etc/wpa_supplicant.conf
```

Declared by:
<nixpkgs/nixos/modules/services/networking/supplicant.nix>

networking.supplicant.<name>.configFile.writable
Whether the configuration file at ‘configFile.path’ should be written to by ‘wpa_supplicant’.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/supplicant.nix>

networking.supplicant.<name>.driver
Force a specific wpa_supplicant driver.

Type: null or string

Default:

```
"nl80211,wext"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/supplicant.nix>

networking.supplicant.<name>.extraCmdArgs
Command line arguments to add when executing ‘wpa_supplicant’.

Type: string

Default:

```
""
```

Example:

```
"-e/run/wpa_supplicant/entropy.bin"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/supplicant.nix>

networking.supplicant.<name>.extraConf
Configuration options for *wpa_supplicant.conf*. Options defined here have precedence over options in ‘configFile’. NOTE: Do not write sensitive data into ‘extraConf’ as it will be world−readable in the ‘nix−store’. For sensitive information use the ‘configFile’ instead.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
ap_scan=1
device_name=My-NixOS-Device
device_type=1-0050F204-1
driver_param=use_p2p_group_interface=1
disable_scan_offload=1
p2p_listen_reg_class=81
p2p_listen_channel=1
p2p_oper_reg_class=81
p2p_oper_channel=1
manufacturer=NixOS
model_name=NixOS_Unstable
model_number=2015
```

Declared by:
<nixpkgs/nixos/modules/services/networking/supplicant.nix>

networking.supplicant.<name>.userControlled.enable
Allow normal users to control wpa_supplicant through wpa_gui or wpa_cli. This is useful for laptop users that switch networks a lot and don't want to depend on a large package such as NetworkManager just to pick nearby access points.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/supplicant.nix>

networking.supplicant.<name>.userControlled.group
Members of this group can control wpa_supplicant.

Type: string

Default:

```
"wheel"
```

Example:

```
"network"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/supplicant.nix>

networking.supplicant.<name>.userControlled.socketDir
Directory of sockets for controlling wpa_supplicant.

Type: string

Default:

```
"/run/wpa_supplicant"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/supplicant.nix>

networking.tcpcrypt.enable

Whether to enable opportunistic TCP encryption. If the other end speaks Tcpcrypt, then your traffic will be encrypted; otherwise it will be sent in clear text. Thus, Tcpcrypt alone provides no guarantees – it is best effort. If, however, a Tcpcrypt connection is successful and any attackers that exist are passive, then Tcpcrypt guarantees privacy.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/tcpcrypt.nix>

networking.tempAddresses

Whether to enable IPv6 Privacy Extensions for interfaces not configured explicitly in **networking.interfaces.<name>.tempAddress**.

This sets the ipv6.conf.*.use_tempaddr sysctl for all interfaces. Possible values are:

- ‘"default"’ to generate IPv6 temporary addresses and use these as source addresses in routing;
- ‘"disabled"’ to completely disable IPv6 temporary addresses;
- ‘"enabled"’ to generate IPv6 temporary addresses but still use EUI−64 addresses as source addresses;

Type: one of “default”, “disabled”, “enabled”

Default:

```
if ${config.networking.enableIPv6} then "default" else "disabled"
```

Declared by:

<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.timeServers

The set of NTP servers from which to synchronise.

Type: list of string

Default:

```
[
  "0.nixos.pool.ntp.org"
  "1.nixos.pool.ntp.org"
  "2.nixos.pool.ntp.org"
  "3.nixos.pool.ntp.org"
]
```

Declared by:

<nixpkgs/nixos/modules/config/networking.nix>

networking.ucarp.enable

Whether to enable ucarp, userspace implementation of CARP.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ucarp.nix>

networking.ucarp.package
The ucarp package to use. Please note that the default package, pkgs.ucarp, has not received any upstream updates for a long time and can be considered as unmaintained.

Type: package

Default:

```
pkgs.ucarp
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ucarp.nix>

networking.ucarp.addr
Virtual shared IP address.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/ucarp.nix>

networking.ucarp.advBase
Advertisement frequency in seconds.

Type: unsigned integer, meaning >=0

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ucarp.nix>

networking.ucarp.advSkew
Advertisement skew in seconds.

Type: unsigned integer, meaning >=0

Default:

Declared by:
<nixpkgs/nixos/modules/services/networking/ucarp.nix>

networking.ucarp.deadratio
Ratio to consider a host as dead.

Type: unsigned integer, meaning >=0

Default:

```
3
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ucarp.nix>

networking.ucarp.downscript
Command to run after become backup, the interface name, virtual address and optional extra parameters are passed as arguments.

Type: absolute path

Example:

```
pkgs.writeScript "downscript" ''
  #!/bin/sh
  ${pkgs.iproute2}/bin/ip addr del "$2"/24 dev "$1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ucarp.nix>

networking.ucarp.extraParam
Extra parameter to pass to the up/down scripts.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ucarp.nix>

networking.ucarp.ignoreIfState
Ignore interface state, e.g., down or no carrier.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ucarp.nix>

networking.ucarp.interface
Network interface to bind to.

Type: string

Example:

```
"eth0"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ucarp.nix>

networking.ucarp.neutral
Do not run downscript at start if the host is the backup.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ucarp.nix>

networking.ucarp.noMcast
Use broadcast instead of multicast advertisements.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ucarp.nix>

networking.ucarp.passwordFile
File containing shared password between CARP hosts.

Type: string

Example:

```
"/run/keys/ucarp-password"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ucarp.nix>

networking.ucarp.preempt
Enable preemptive failover. Thus, this host becomes the CARP master as soon as possible.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ucarp.nix>

networking.ucarp.shutdown
Call downscript at exit.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ucarp.nix>

networking.ucarp.srcIp
Source (real) IP address of this host.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/ucarp.nix>

networking.ucarp.upscript
Command to run after become master, the interface name, virtual address and optional extra parameters are passed as arguments.

Type: absolute path

Example:

```
pkgs.writeScript "upscript" ''
  #!/bin/sh
  ${pkgs.iproute2}/bin/ip addr add "$2"/24 dev "$1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ucarp.nix>

networking.ucarp.vhId
Virtual IP identifier shared between CARP hosts.

Type: integer between 1 and 255 (both inclusive)

Example:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ucarp.nix>

networking.useDHCP

Whether to use DHCP to obtain an IP address and other configuration for all network interfaces that do not have any manually configured IPv4 addresses.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.useHostResolvConf

In containers, whether to use the *resolv.conf* supplied by the host.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.useNetworkd

Whether we should use networkd as the network configuration backend or the legacy script based system. Note that this option is experimental, enable at your own risk.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.usePredictableInterfaceNames

Whether to assign **predictable names to network interfaces**. If enabled, interfaces are assigned names that contain topology information (e.g. ‘wlp3s0’) and thus should be stable across reboots. If disabled, names depend on the order in which interfaces are discovered by the kernel, which may change randomly across reboots; for instance, you may find ‘eth0’ and ‘eth1’ flipping unpredictably.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/udev.nix>

networking.vlans

This option allows you to define vlan devices that tag packets on top of a physical interface. The value of this option is an attribute set. Each attribute specifies a vlan, with the name specifying the name of the vlan interface.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  vlan0 = {
```

```
      id = 3;
      interface = "enp3s0";
    };
    vlan1 = {
      id = 1;
      interface = "wlan0";
    };
  }
```

Declared by:
<nixpkgs/nixos/modules/tasks/network-interfaces.nix>

networking.vlans.<name>.id
The vlan identifier

Type: signed integer

Example:

```
1
```

Declared by:
<nixpkgs/nixos/modules/tasks/network-interfaces.nix>

networking.vlans.<name>.interface
The interface the vlan will transmit packets through.

Type: string

Example:

```
"enp4s0"
```

Declared by:
<nixpkgs/nixos/modules/tasks/network-interfaces.nix>

networking.vswitches
This option allows you to define Open vSwitches that connect physical networks together. The value of this option is an attribute set. Each attribute specifies a vswitch, with the attribute name specifying the name of the vswitch's network interface.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  vs0 = {
    interfaces = {
      eth0 = { };
      lo1 = {
        type = "internal";
      };
    };
  };
  vs1 = {
    interfaces = [
      {
        name = "eth2";
      }
```

```
          {
            name = "lo2";
            type = "internal";
          }
        ];
      };
    }
```

Declared by:

<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.vswitches.<name>.controllers

Specify the controller targets. For the allowed options see ‘man 8 ovs−vsctl’.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "ptcp:6653:[::1]"
]
```

Declared by:

<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.vswitches.<name>.extraOvsctlCmds

Commands to manipulate the Open vSwitch database. Every line executed with ‘ovs−vsctl’. All commands are bundled together with the operations for adding the interfaces into one atomic operation.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
set−fail−mode <switch_name> secure
set Bridge <switch_name> stp_enable=true
```

Declared by:

<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.vswitches.<name>.interfaces

The physical network interfaces connected by the vSwitch.

Type: attribute set of (submodule)

Declared by:

<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.vswitches.<name>.interfaces.<name>.name

Name of the interface

Type: string

Example:

```
"eth0"
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.vswitches.<name>.interfaces.<name>.type
Openvswitch type to assign to interface

Type: null or string

Default:

```
null
```

Example:

```
"internal"
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.vswitches.<name>.interfaces.<name>.vlan
Vlan tag to apply to interface

Type: null or signed integer

Default:

```
null
```

Example:

```
10
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.vswitches.<name>.openFlowRules
OpenFlow rules to insert into the Open vSwitch. All ‘openFlowRules’ are loaded with ‘ovs−ofctl’ within one atomic operation.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
  actions=normal
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.vswitches.<name>.openFlowVersion
Version of OpenFlow protocol to use when communicating with the switch internally (e.g. with ‘openFlowRules’).

Type: string

Default:

```
"OpenFlow13"
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.vswitches.<name>.supportedOpenFlowVersions

Supported versions to enable on this switch.

Type: list of string

Default:

```
[
  "OpenFlow13"
]
```

Example:

```
[
  "OpenFlow10"
  "OpenFlow13"
  "OpenFlow14"
]
```

Declared by:

<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.wg−quick.interfaces

Wireguard interfaces.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  wg0 = {
    address = [
      "192.168.20.4/24"
    ];
    peers = [
      {
        allowedIPs = [
          "192.168.20.1/32"
        ];
        endpoint = "demo.wireguard.io:12913";
        publicKey = "xTIBA5rboUvnH4htodjb6e697QjLERt1NAB4mZqp8Dg=";
      }
    ];
    privateKey = "yAnz5TF+lXXJte14tji3zlMNq+hd2rYUIgJBgB3fBmk=";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/wg−quick.nix>

networking.wg−quick.interfaces.<name>.address

The IP addresses of the interface.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "192.168.2.1/24"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wg−quick.nix>

networking.wg−quick.interfaces.<name>.autostart
Whether to bring up this interface automatically during boot.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wg−quick.nix>

networking.wg−quick.interfaces.<name>.configFile
wg−quick .conf file, describing the interface. Using this option can be a useful means of configuring WireGuard if one has an existing .conf file. This overrides any other configuration interface configuration options. See wg−quick manpage for more details.

Type: null or string

Default:

```
null
```

Example:

```
"/secret/wg0.conf"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wg−quick.nix>

networking.wg−quick.interfaces.<name>.dns
The IP addresses of DNS servers to configure.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "192.168.2.2"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wg−quick.nix>

networking.wg−quick.interfaces.<name>.extraOptions
Extra options to append to the interface section. Can be used to define AmneziaWG−specific options.

Type: attribute set of (string or signed integer)

Default:

```
{ }
```

Example:

```
{
  H4 = 12345;
  Jc = 5;
  Jmax = 42;
  Jmin = 10;
  S1 = 60;
  S2 = 90;
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wg−quick.nix>

networking.wg−quick.interfaces.<name>.generatePrivateKeyFile
Automatically generate a private key with **wg genkey**, at the privateKeyFile location.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wg−quick.nix>

networking.wg−quick.interfaces.<name>.listenPort
16−bit port for listening. Optional; if not specified, automatically generated based on interface name.

Type: null or signed integer

Default:

```
null
```

Example:

```
51820
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wg−quick.nix>

networking.wg−quick.interfaces.<name>.mtu
If not specified, the MTU is automatically determined from the endpoint addresses or the system default route, which is usually a sane choice. However, to manually specify an MTU to override this automatic discovery, this value may be specified explicitly.

Type: null or signed integer

Default:

```
null
```

Example:

```
1248
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wg−quick.nix>

networking.wg−quick.interfaces.<name>.peers
Peers linked to the interface.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wg−quick.nix>

networking.wg−quick.interfaces.<name>.peers.*.allowedIPs
List of IP (v4 or v6) addresses with CIDR masks from which this peer is allowed to send incoming traffic and to which outgoing traffic for this peer is directed. The catch−all 0.0.0.0/0 may be specified for matching all IPv4 addresses, and ::/0 may be specified for matching all IPv6 addresses.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "10.192.122.3/32"
  "10.192.124.1/24"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wg−quick.nix>

networking.wg−quick.interfaces.<name>.peers.*.endpoint
Endpoint IP or hostname of the peer, followed by a colon, and then a port number of the peer.

Type: null or string

Default:

```
null
```

Example:

```
"demo.wireguard.io:12913"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wg−quick.nix>

networking.wg−quick.interfaces.<name>.peers.*.persistentKeepalive
This is optional and is by default off, because most users will not need it. It represents, in seconds, between 1 and 65535 inclusive, how often to send an authenticated empty packet to the peer, for the purpose of keeping a stateful firewall or NAT mapping valid persistently. For example, if the interface very rarely sends traffic, but it might at anytime receive traffic from a peer, and it is behind NAT, the interface might benefit from having a persistent keepalive interval of 25 seconds; however, most users will not need this.

Type: null or signed integer

Default:

```
null
```

Example:

```
25
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wg−quick.nix>

networking.wg−quick.interfaces.<name>.peers.*.presharedKey

Base64 preshared key generated by **wg genpsk**. Optional, and may be omitted. This option adds an additional layer of symmetric−key cryptography to be mixed into the already existing public−key cryptography, for post−quantum resistance.

Warning: Consider using presharedKeyFile instead if you do not want to store the key in the world−readable Nix store.

Type: null or string

Default:

```
null
```

Example:

```
"rVXs/Ni9tu3oDBLS4hOyAUAa1qTWVA3loR8eL20os3I="
```

Declared by:

<nixpkgs/nixos/modules/services/networking/wg−quick.nix>

networking.wg−quick.interfaces.<name>.peers.*.presharedKeyFile

File pointing to preshared key as generated by **wg genpsk**. Optional, and may be omitted. This option adds an additional layer of symmetric−key cryptography to be mixed into the already existing public−key cryptography, for post−quantum resistance.

Type: null or string

Default:

```
null
```

Example:

```
"/private/wireguard_psk"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/wg−quick.nix>

networking.wg−quick.interfaces.<name>.peers.*.publicKey

The base64 public key to the peer.

Type: string

Example:

```
"xTIBA5rboUvnH4htodjb6e697QjLERt1NAB4mZqp8Dg="
```

Declared by:

<nixpkgs/nixos/modules/services/networking/wg−quick.nix>

networking.wg−quick.interfaces.<name>.postDown

Command called after the interface is taken down.

Type: strings concatenated with “\n” or (list of string) convertible to it

Default:

```
""
```

Example:

```
"${pkgs.iproute2}/bin/ip netns del foo"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/wg−quick.nix>

networking.wg−quick.interfaces.<name>.postUp
Commands called after the interface setup.

Type: strings concatenated with “\n” or (list of string) convertible to it

Default:

```
""
```

Example:

```
"${pkgs.iproute2}/bin/ip netns add foo"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wg−quick.nix>

networking.wg−quick.interfaces.<name>.preDown
Command called before the interface is taken down.

Type: strings concatenated with “\n” or (list of string) convertible to it

Default:

```
""
```

Example:

```
"${pkgs.iproute2}/bin/ip netns del foo"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wg−quick.nix>

networking.wg−quick.interfaces.<name>.preUp
Commands called at the start of the interface setup.

Type: strings concatenated with “\n” or (list of string) convertible to it

Default:

```
""
```

Example:

```
"${pkgs.iproute2}/bin/ip netns add foo"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wg−quick.nix>

networking.wg−quick.interfaces.<name>.privateKey
Base64 private key generated by **wg genkey**.

Warning: Consider using privateKeyFile instead if you do not want to store the key in the world−readable Nix store.

Type: null or string

Default:

```
null
```

Example:

```
"yAnz5TF+lXXJte14tji3zlMNq+hd2rYUIgJBgB3fBmk="
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wg−quick.nix>

networking.wg−quick.interfaces.<name>.privateKeyFile
Private key file as generated by **wg genkey**.

Type: null or string

Default:

```
null
```

Example:

```
"/private/wireguard_key"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wg−quick.nix>

networking.wg−quick.interfaces.<name>.table
The kernel routing table to add this interface's associated routes to. Setting this is useful for e.g. policy routing ("ip rule") or virtual routing and forwarding ("ip vrf"). Both numeric table IDs and table names (/etc/rt_tables) can be used. Defaults to "main".

Type: null or string

Default:

```
null
```

Example:

```
"main"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wg−quick.nix>

networking.wg−quick.interfaces.<name>.type
The type of the interface. Currently only "wireguard" and "amneziawg" are supported.

Type: one of "wireguard", "amneziawg"

Default:

```
"wireguard"
```

Example:

```
"amneziawg"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wg−quick.nix>

networking.wireguard.enable
Whether to enable WireGuard.

> **Note**
> By default, this module is powered by a script−based backend. You can enable the networkd backend with **networking.wireguard.useNetworkd**.

Type: boolean

Default:

```
config.networking.wireguard.interfaces != { }
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wireguard.nix>

networking.wireguard.interfaces
WireGuard interfaces.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  wg0 = {
    ips = [
      "192.168.20.4/24"
    ];
    peers = [
      {
        allowedIPs = [
          "192.168.20.1/32"
        ];
        endpoint = "demo.wireguard.io:12913";
        publicKey = "xTIBA5rboUvnH4htodjb6e697QjLERt1NAB4mZqp8Dg=";
      }
    ];
    privateKey = "yAnz5TF+lXXJte14tji3zlMNq+hd2rYUIgJBgB3fBmk=";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wireguard.nix>

networking.wireguard.interfaces.<name>.allowedIPsAsRoutes
Determines whether to add allowed IPs as routes or not.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wireguard.nix>

networking.wireguard.interfaces.<name>.dynamicEndpointRefreshSeconds
Periodically refresh the endpoint hostname or address for all peers. Allows WireGuard to notice DNS and IPv4/IPv6 connectivity changes. This option can be set or overridden for individual peers.

Setting this to ‘0’ disables periodic refresh.

Type: signed integer

Default:

Example:

```
300
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wireguard.nix>

networking.wireguard.interfaces.<name>.extraOptions
Extra options to append to the interface section. Can be used to define AmneziaWG−specific options.

Type: attribute set of (string or signed integer)

Default:

```
{ }
```

Example:

```
{
  H4 = 12345;
  Jc = 5;
  Jmax = 42;
  Jmin = 10;
  S1 = 60;
  S2 = 90;
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wireguard.nix>

networking.wireguard.interfaces.<name>.fwMark
Mark all wireguard packets originating from this interface with the given firewall mark. The firewall mark can be used in firewalls or policy routing to filter the wireguard packets. This can be useful for setup where all traffic goes through the wireguard tunnel, because the wireguard packets need to be routed differently.

Type: null or string

Default:

```
null
```

Example:

```
"0x6e6978"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wireguard.nix>

networking.wireguard.interfaces.<name>.generatePrivateKeyFile
Automatically generate a private key with **wg genkey**, at the privateKeyFile location.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wireguard.nix>

networking.wireguard.interfaces.<name>.interfaceNamespace
The pre−existing network namespace the WireGuard interface is moved to. The special value ‘init’ means the init namespace. When ‘null’, the interface is not moved. See **documentation**.

Type: null or string

Default:

```
null
```

Example:

```
"init"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/wireguard.nix>

networking.wireguard.interfaces.<name>.ips

The IP addresses of the interface.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "192.168.2.1/24"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/wireguard.nix>

networking.wireguard.interfaces.<name>.listenPort

16−bit port for listening. Optional; if not specified, automatically generated based on interface name.

Type: null or signed integer

Default:

```
null
```

Example:

```
51820
```

Declared by:

<nixpkgs/nixos/modules/services/networking/wireguard.nix>

networking.wireguard.interfaces.<name>.metric

Set the metric of routes related to this Wireguard interface.

Type: null or signed integer

Default:

```
null
```

Example:

```
700
```

Declared by:

<nixpkgs/nixos/modules/services/networking/wireguard.nix>

networking.wireguard.interfaces.<name>.mtu

Set the maximum transmission unit in bytes for the wireguard interface. Beware that the wireguard packets have a header that may add up to 80 bytes to the mtu. By default, the MTU is (1500 − 80) = 1420. However, if the MTU of the upstream network is lower, the MTU of the wireguard network has to be adjusted as well.

Type: null or signed integer

Default:

```
null
```

Example:

```
1280
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wireguard.nix>

networking.wireguard.interfaces.<name>.peers
Peers linked to the interface.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wireguard.nix>

networking.wireguard.interfaces.<name>.peers.*.allowedIPs
List of IP (v4 or v6) addresses with CIDR masks from which this peer is allowed to send incoming traffic and to which outgoing traffic for this peer is directed. The catch−all 0.0.0.0/0 may be specified for matching all IPv4 addresses, and ::/0 may be specified for matching all IPv6 addresses.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "10.192.122.3/32"
  "10.192.124.1/24"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wireguard.nix>

networking.wireguard.interfaces.<name>.peers.*.dynamicEndpointRefreshRestartSeconds
When the dynamic endpoint refresh that is configured via dynamicEndpointRefreshSeconds exits (likely due to a failure), restart that service after this many seconds.

If set to ‘null’ the value of **networking.wireguard.dynamicEndpointRefreshSeconds** will be used as the default.

Type: null or (unsigned integer, meaning >=0)

Default:

```
null
```

Example:

```
5
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wireguard.nix>

networking.wireguard.interfaces.<name>.peers.*.dynamicEndpointRefreshSeconds
Periodically re−execute the ‘wg’ utility every this many seconds in order to let WireGuard notice DNS / hostname changes.

Setting this to ‘0’ disables periodic reexecution.

Note
This peer−level setting is not available when **networking.wireguard.useNetworkd** is enabled. The interface−level setting may be used instead.

Type: null or signed integer

Default:

```
config.networking.wireguard.interfaces.<name>.dynamicEndpointRefres \
hSeconds
```

Example:

```
5
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wireguard.nix>

networking.wireguard.interfaces.<name>.peers.*.endpoint
Endpoint IP or hostname of the peer, followed by a colon, and then a port number of the peer.

Warning for endpoints with changing IPs: The WireGuard kernel side cannot perform DNS resolution. Thus DNS resolution is done once by the 'wg' userspace utility, when setting up WireGuard. Consequently, if the IP address behind the name changes, WireGuard will not notice. This is especially common for dynamic−DNS setups, but also applies to any other DNS−based setup. If you do not use IP endpoints, you likely want to set **networking.wireguard.dynamicEndpointRefreshSeconds** to refresh the IPs periodically.

Type: null or string

Default:

```
null
```

Example:

```
"demo.wireguard.io:12913"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wireguard.nix>

networking.wireguard.interfaces.<name>.peers.*.name
Name used to derive peer unit name.

Type: string

Default:

```
publicKey
```

Example:

```
"bernd"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wireguard.nix>

networking.wireguard.interfaces.<name>.peers.*.persistentKeepalive
This is optional and is by default off, because most users will not need it. It represents, in seconds, between 1 and 65535 inclusive, how often to send an authenticated empty packet to the peer, for the purpose of keeping a stateful firewall or NAT mapping valid persistently. For example, if the interface very rarely sends traffic, but it might at anytime receive traffic from a peer, and it is behind NAT, the interface might benefit from having a persistent keepalive interval of 25 seconds; however, most users will not need this.

Type: null or signed integer

Default:

```
null
```

Example:

```
25
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wireguard.nix>

networking.wireguard.interfaces.<name>.peers.*.presharedKey
Base64 preshared key generated by **wg genpsk**. Optional, and may be omitted. This option adds an additional layer of symmetric−key cryptography to be mixed into the already existing public−key cryptography, for post−quantum resistance.

Warning: Consider using presharedKeyFile instead if you do not want to store the key in the world−readable Nix store.

Type: null or string

Default:

```
null
```

Example:

```
"rVXs/Ni9tu3oDBLS4hOyAUAa1qTWVA3loR8eL20os3I="
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wireguard.nix>

networking.wireguard.interfaces.<name>.peers.*.presharedKeyFile
File pointing to preshared key as generated by **wg genpsk**. Optional, and may be omitted. This option adds an additional layer of symmetric−key cryptography to be mixed into the already existing public−key cryptography, for post−quantum resistance.

Type: null or string

Default:

```
null
```

Example:

```
"/private/wireguard_psk"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wireguard.nix>

networking.wireguard.interfaces.<name>.peers.*.publicKey
The base64 public key of the peer.

Type: (optionally newline−terminated) single−line string

Example:

```
"xTIBA5rboUvnH4htodjb6e697QjLERt1NAB4mZqp8Dg="
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wireguard.nix>

networking.wireguard.interfaces.<name>.postSetup
Commands called at the end of the interface setup.

Type: strings concatenated with “\n” or (list of string) convertible to it

Default:

```
""
```

Example:

```
''printf "nameserver 10.200.100.1" | ${pkgs.openresolv}/bin/resolvc \
onf −a wg0 −m 0''
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wireguard.nix>

networking.wireguard.interfaces.<name>.postShutdown
Commands called after shutting down the interface.

Type: strings concatenated with “\n” or (list of string) convertible to it

Default:

```
""
```

Example:

```
"${pkgs.openresolv}/bin/resolvconf -d wg0"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wireguard.nix>

networking.wireguard.interfaces.<name>.preSetup
Commands called at the start of the interface setup.

Type: strings concatenated with “\n” or (list of string) convertible to it

Default:

```
""
```

Example:

```
"${pkgs.iproute2}/bin/ip netns add foo"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wireguard.nix>

networking.wireguard.interfaces.<name>.preShutdown
Commands called before shutting down the interface.

Type: strings concatenated with “\n” or (list of string) convertible to it

Default:

```
""
```

Example:

```
"${pkgs.iproute2}/bin/ip netns del foo"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wireguard.nix>

networking.wireguard.interfaces.<name>.privateKey
Base64 private key generated by **wg genkey**.

Warning: Consider using privateKeyFile instead if you do not want to store the key in the world−readable Nix store.

Type: null or string

Default:

```
null
```

Example:

```
"yAnz5TF+lXXJte14tji3zlMNq+hd2rYUIgJBgB3fBmk="
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wireguard.nix>

networking.wireguard.interfaces.<name>.privateKeyFile
Private key file as generated by **wg genkey**.

Type: null or string

Default:

```
null
```

Example:

```
"/private/wireguard_key"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wireguard.nix>

networking.wireguard.interfaces.<name>.socketNamespace
The pre−existing network namespace in which the WireGuard interface is created, and which retains the socket even if the interface is moved via **interfaceNamespace**. When ‘null’, the interface is created in the init namespace. See **documentation**.

Type: null or string

Default:

```
null
```

Example:

```
"container"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wireguard.nix>

networking.wireguard.interfaces.<name>.table
The kernel routing table to add this interface’s associated routes to. Setting this is useful for e.g. policy routing (“ip rule”) or virtual routing and forwarding (“ip vrf”). Both numeric table IDs and table names (/etc/rt_tables) can be used. Defaults to “main”.

Type: string

Default:

```
"main"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wireguard.nix>

networking.wireguard.interfaces.<name>.type
The type of the interface. Currently only “wireguard” and “amneziawg” are supported.

Type: one of “wireguard”, “amneziawg”

Default:

```
"wireguard"
```

Example:

```
"amneziawg"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wireguard.nix>

networking.wireguard.useNetworkd

Whether to use networkd as the network configuration backend for Wireguard instead of the legacy script−based system.

> **Warning**
> Some options have slightly different behavior with the networkd and script−based backends. Check the documentation for each Wireguard option you use before enabling this option.

Type: boolean

Default:

```
config.networking.useNetworkd
```

Declared by:

<nixpkgs/nixos/modules/services/networking/wireguard−networkd.nix>

networking.wireless.enable

Whether to enable wpa_supplicant.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/wpa_supplicant.nix>

networking.wireless.enableHardening

Whether to apply security hardening measures to wpa_supplicant. These include limiting access to the filesystem, devices and network capabilities.

> **Note**
> Disabling this will increase the potential attack surface if the wpa_supplicant daemon becomes compromised, but it may be necessary for more complex enterprise networks (for example requiring access to mutable files, smart cards or TPM devices).

Type: unspecified value

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/wpa_supplicant.nix>

networking.wireless.allowAuxiliaryImperativeNetworks

Whether to allow configuring networks “imperatively” (e.g. via ‘wpa_supplicant_gui’) and declaratively via **networking.wireless.networks**.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wpa_supplicant.nix>

networking.wireless.athUserRegulatoryDomain
If enabled, sets the ATH_USER_REGD kernel config switch to true to disable the enforcement of EEPROM regulatory restrictions for ath drivers. Requires at least Linux 5.8.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/hardware/network/ath-user-regd.nix>

networking.wireless.autoDetectInterfaces
Whether to enable automatic detection of wireless interfaces.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wpa_supplicant.nix>

networking.wireless.dbusControlled
Whether to enable the DBus control interface. This is only needed when using NetworkManager or connman.

Type: boolean

Default:

```
length config.networking.wireless.interfaces < 2
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wpa_supplicant.nix>

networking.wireless.driver
Force a specific wpa_supplicant driver.

Type: string

Default:

```
"nl80211,wext"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wpa_supplicant.nix>

networking.wireless.extraConfig
Extra lines appended to the configuration file. See **wpa_supplicant.conf**(5) for available options.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
p2p_disabled=1
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wpa_supplicant.nix>

networking.wireless.extraConfigFiles
Extra wpa_supplicant configuration files to load.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wpa_supplicant.nix>

networking.wireless.fallbackToWPA2
Whether to fall back to WPA2 authentication protocols if WPA3 failed. This allows old wireless cards (that lack recent features required by WPA3) to connect to mixed WPA2/WPA3 access points.

To avoid possible downgrade attacks, disable this options.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wpa_supplicant.nix>

networking.wireless.interfaces
The interfaces **wpa_supplicant** will use. If empty and **networking.wireless.autoDetectInterfaces** is true it will automatically use all wireless interfaces.

Note
A separate wpa_supplicant instance will be started for each interface.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "wlan0"
  "wlan1"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wpa_supplicant.nix>

networking.wireless.iwd.enable
Whether to enable iwd.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/iwd.nix>

networking.wireless.iwd.package
The iwd package to use.

Type: package

Default:

```
pkgs.iwd
```

Declared by:
<nixpkgs/nixos/modules/services/networking/iwd.nix>

networking.wireless.iwd.settings
Options passed to iwd. See **iwd.config**(5) for supported options.

Type: attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Example:

```
{
  Network = {
    EnableIPv6 = true;
    RoutePriorityOffset = 300;
  };
  Settings = {
    AutoConnect = true;
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/iwd.nix>

networking.wireless.networks
The network definitions to automatically connect to when **wpa_supplicant** is running. If this parameter is left empty wpa_supplicant will use /etc/wpa_supplicant.conf as the configuration file.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{ echelon = {                   # SSID with no spaces or special ch \
aracters
    psk = "abcdefgh";           # (password will be written to /nix \
/store!)
  };
  echelon = {                   # safe version of the above: read P \
SK from the
    pskRaw = "ext:psk_echelon"; # variable psk_echelon, defined in  \
secretsFile,
  };                            # this won't leak into /nix/store
  "echelon's AP" = {            # SSID with spaces and/or special c \
haracters
     psk = "ijklmnop";          # (password will be written to /nix \
```

```
/store!)
  };
  "free.wifi" = {};             # Public wireless network
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wpa_supplicant.nix>

networking.wireless.networks.<name>.auth
Use this option to configure advanced authentication methods like EAP. See **wpa_supplicant.conf**(5) for example configurations.

Warning
Be aware that this will be written to the Nix store in plaintext! Use an external reference like 'ext:secretname' for secrets.

Note
Mutually exclusive with *psk* and *pskRaw*.

Type: null or string

Default:

```
null
```

Example:

```
eap=PEAP
identity="user@example.com"
password=ext:example_password
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wpa_supplicant.nix>

networking.wireless.networks.<name>.authProtocols
The list of authentication protocols accepted by this network. This corresponds to the 'key_mgmt' option in wpa_supplicant.

Type: list of (one of "WPA−PSK", "WPA−EAP", "IEEE8021X", "NONE", "WPA−NONE", "FT−PSK", "FT−EAP", "FT−EAP−SHA384", "WPA−PSK−SHA256", "WPA−EAP−SHA256", "SAE", "FT−SAE", "WPA−EAP−SUITE−B", "WPA−EAP−SUITE−B−192", "OSEN", "FILS−SHA256", "FILS−SHA384", "FT−FILS−SHA256", "FT−FILS−SHA384", "OWE", "DPP")

Default:

```
[
  "WPA-PSK"
  "WPA-EAP"
  "SAE"
  "FT-PSK"
  "FT-EAP"
  "FT-SAE"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wpa_supplicant.nix>

networking.wireless.networks.<name>.bssid
If set, this network block is used only when associating with the AP using the configured BSSID.

Type: null or string

Default:

```
null
```

Example:

```
"02:00:00:00:00:01"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wpa_supplicant.nix>

networking.wireless.networks.<name>.extraConfig
Extra configuration lines appended to the network block. See **wpa_supplicant.conf**(5) for available options.

Type: string

Default:

```
""
```

Example:

```
  bssid_blacklist=02:11:22:33:44:55 02:22:aa:44:55:66
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wpa_supplicant.nix>

networking.wireless.networks.<name>.hidden
Set this to ‘true’ if the SSID of the network is hidden.

Type: boolean

Default:

```
false
```

Example:

```
{ echelon = {
    hidden = true;
    psk = "abcdefgh";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wpa_supplicant.nix>

networking.wireless.networks.<name>.priority
By default, all networks will get same priority group (0). If some of the networks are more desirable, this field can be used to change the order in which wpa_supplicant goes through the networks when selecting a BSS. The priority groups will be iterated in decreasing priority (i.e., the larger the priority value, the sooner the network is matched against the scan results). Within each priority group, networks will be selected based on security policy, signal strength, etc.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wpa_supplicant.nix>

networking.wireless.networks.<name>.psk

The network's pre−shared key in plaintext defaulting to being a network without any authentication.

> **Warning**
> Be aware that this will be written to the Nix store in plaintext! Use *pskRaw* with an external reference to keep it safe.
>
> **Note**
> Mutually exclusive with *pskRaw*.

Type: null or string matching the pattern [[:print:]]{8,63}

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/wpa_supplicant.nix>

networking.wireless.networks.<name>.pskRaw

Either the raw pre−shared key in hexadecimal format or the name of the secret (as defined inside **networking.wireless.secretsFile** and prefixed with 'ext:') containing the network pre−shared key.

> **Warning**
> Be aware that this will be written to the Nix store in plaintext! Always use an external reference.
>
> **Note**
> The external secret can be either the plaintext passphrase or the raw pre−shared key.
>
> **Note**
> Mutually exclusive with *psk* and *auth*.

Type: null or string matching the pattern ([[:xdigit:]]{64})|(ext:[^=]+)

Default:

```
null
```

Example:

```
"ext:name_of_the_secret_here"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/wpa_supplicant.nix>

networking.wireless.networks.<name>.ssid

You could use this field to override the network's ssid. This can be useful to, for example, specify two networks that share the same SSID but not the same password. Specifying the BSSID of the network can make two entries of the same SSID show up as different ones in wpa_cli.

Type: string

Default:

```
"‹name›"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/wpa_supplicant.nix>

networking.wireless.scanOnLowSignal

Whether to periodically scan for (better) networks when the signal of the current one is low. This will make roaming between access points faster, but will consume more power.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wpa_supplicant.nix>

networking.wireless.secretsFile
File consisting of lines of the form ‘varname=value’ to define variables for the wireless configuration.

Secrets (PSKs, passwords, etc.) can be provided without adding them to the world−readable Nix store by defining them in the secrets file and referring to them in option **networking.wireless.networks** with the syntax ‘ext:secretname’. Example:

```
# content of /run/secrets/wireless.conf
psk_home=mypassword
psk_other=6a381cea59c7a2d6b30736ba0e6f397f7564a044bcdb7a327a1d16a1e \
d91b327
pass_work=myworkpassword
# wireless−related configuration
networking.wireless.secretsFile = "/run/secrets/wireless.conf";
networking.wireless.networks = {
  home.pskRaw = "ext:psk_home";
  other.pskRaw = "ext:psk_other";
  work.auth = ''
    eap=PEAP
    identity="my−user@example.com"
    password=ext:pass_work
  '';
};
```

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/wireless.conf"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wpa_supplicant.nix>

networking.wireless.userControlled
Allow users of the ‘wpa_supplicant’ group to control wpa_supplicant through wpa_gui or wpa_cli. This is useful for laptop users that switch networks a lot and don’t want to depend on a large package such as NetworkManager just to pick nearby access points.

Note
When networks are configured declaratively, you cannot persist any settings via wpa_gui or wpa_cli, unless **allowAuxiliaryImperativeNetworks** is used.

Type: boolean or (attribute set) convertible to it

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wpa_supplicant.nix>

networking.wlanInterfaces

Creating multiple WLAN interfaces on top of one physical WLAN device (NIC).

The name of the WLAN interface corresponds to the name of the attribute. A NIC is referenced by the persistent device name of the WLAN interface that ‘udev’ assigns to a NIC by default. If a NIC supports multiple WLAN interfaces, then the one NIC can be used as ‘device’ for multiple WLAN interfaces. If a NIC is used for creating WLAN interfaces, then the default WLAN interface with a persistent device name form ‘udev’ is not created. A WLAN interface with the persistent name assigned from ‘udev’ would have to be created explicitly.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  wlan-station0 = {
      device = "wlp6s0";
  };
  wlan-adhoc0 = {
      type = "ibss";
      device = "wlp6s0";
      mac = "02:00:00:00:00:01";
  };
  wlan-p2p0 = {
      device = "wlp6s0";
      mac = "02:00:00:00:00:02";
  };
  wlan-ap0 = {
      device = "wlp6s0";
      mac = "02:00:00:00:00:03";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/tasks/network-interfaces.nix>

networking.wlanInterfaces.<name>.device

The name of the underlying hardware WLAN device as assigned by ‘udev’.

Type: string

Example:

```
"wlp6s0"
```

Declared by:

<nixpkgs/nixos/modules/tasks/network-interfaces.nix>

networking.wlanInterfaces.<name>.flags

Flags for interface of type ‘monitor’.

Type: null or one of “none”, “fcsfail”, “control”, “otherbss”, “cook”, “active”

Default:

```
null
```

Example:

```
"control"
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.wlanInterfaces.<name>.fourAddr
Whether to enable ‘4−address mode’ with type ‘managed’.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.wlanInterfaces.<name>.mac
MAC address to use for the device. If ‘null’, then the MAC of the underlying hardware WLAN device is used.

INFO: Locally administered MAC addresses are of the form:

- x2:xx:xx:xx:xx:xx
- x6:xx:xx:xx:xx:xx
- xA:xx:xx:xx:xx:xx
- xE:xx:xx:xx:xx:xx

Type: null or string

Default:

```
null
```

Example:

```
"02:00:00:00:00:01"
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.wlanInterfaces.<name>.meshID
MeshID of interface with type ‘mesh’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

networking.wlanInterfaces.<name>.type
The type of the WLAN interface. The type has to be supported by the underlying hardware of the device.

Type: one of “managed”, “ibss”, “monitor”, “mesh”, “wds”

Default:

```
"managed"
```

Example:

```
"ibss"
```

Declared by:
<nixpkgs/nixos/modules/tasks/network−interfaces.nix>

nix.enable

Whether to enable Nix. Disabling Nix makes the system hard to modify and the Nix programs and configuration will not be made available by NixOS itself.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/system/nix−daemon.nix>

nix.package

This option specifies the Nix package instance to use throughout the system.

Type: package

Default:

```
pkgs.nix
```

Declared by:

<nixpkgs/nixos/modules/services/system/nix−daemon.nix>

nix.buildMachines

This option lists the machines to be used if distributed builds are enabled (see **nix.distributedBuilds**). Nix will perform derivations on those machines via SSH by copying the inputs to the Nix store on the remote machine, starting the build, then copying the output back to the local Nix store.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/config/nix−remote−build.nix>

nix.buildMachines.*.hostName

The hostname of the build machine.

Type: string

Example:

```
"nixbuilder.example.org"
```

Declared by:

<nixpkgs/nixos/modules/config/nix−remote−build.nix>

nix.buildMachines.*.mandatoryFeatures

A list of features mandatory for this builder. The builder will be ignored for derivations that don’t require all features in this list. All mandatory features are automatically included in *supportedFeatures*.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "big-parallel"
]
```

Declared by:
<nixpkgs/nixos/modules/config/nix−remote−build.nix>

nix.buildMachines.*.maxJobs
The number of concurrent jobs the build machine supports. The build machine will enforce its own limits, but this allows hydra to schedule better since there is no work−stealing between build machines.

Type: signed integer

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/config/nix−remote−build.nix>

nix.buildMachines.*.protocol
The protocol used for communicating with the build machine. Use ‘ssh−ng’ if your remote builder and your local Nix version support that improved protocol.

Use ‘null’ when trying to change the special localhost builder without a protocol which is for example used by hydra.

Type: one of <null>, “ssh”, “ssh−ng”

Default:

```
"ssh"
```

Example:

```
"ssh-ng"
```

Declared by:
<nixpkgs/nixos/modules/config/nix−remote−build.nix>

nix.buildMachines.*.publicHostKey
The (base64−encoded) public host key of this builder. The field is calculated via **base64 −w0 /etc/ssh/ssh_host_type_key.pub**. If null, SSH will use its regular known−hosts file when connecting.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/config/nix−remote−build.nix>

nix.buildMachines.*.speedFactor
The relative speed of this builder. This is an arbitrary integer that indicates the speed of this builder, relative to other builders. Higher is faster.

Type: signed integer

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/config/nix−remote−build.nix>

nix.buildMachines.*.sshKey

The path to the SSH private key with which to authenticate on the build machine. The private key must not have a passphrase. If null, the building user (root on NixOS machines) must have an appropriate ssh configuration to log in non−interactively.

Note that for security reasons, this path must point to a file in the local filesystem, *not* to the nix store.

Type: null or string

Default:

```
null
```

Example:

```
"/root/.ssh/id_buildhost_builduser"
```

Declared by:

<nixpkgs/nixos/modules/config/nix−remote−build.nix>

nix.buildMachines.*.sshUser

The username to log in as on the remote host. This user must be able to log in and run nix commands non−interactively. It must also be privileged to build derivations, so must be included in **nix.settings.trusted−users**.

Type: null or string

Default:

```
null
```

Example:

```
"builder"
```

Declared by:

<nixpkgs/nixos/modules/config/nix−remote−build.nix>

nix.buildMachines.*.supportedFeatures

A list of features supported by this builder. The builder will be ignored for derivations that require features not in this list.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "kvm"
  "big−parallel"
]
```

Declared by:

<nixpkgs/nixos/modules/config/nix−remote−build.nix>

nix.buildMachines.*.system

The system type the build machine can execute derivations on. Either this attribute or *systems* must be present, where *system* takes precedence if both are set.

Type: null or string

Default:

```
null
```

Example:

```
"x86_64-linux"
```

Declared by:
<nixpkgs/nixos/modules/config/nix-remote-build.nix>

nix.buildMachines.*.systems
The system types the build machine can execute derivations on. Either this attribute or *system* must be present, where *system* takes precedence if both are set.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "x86_64-linux"
  "aarch64-linux"
]
```

Declared by:
<nixpkgs/nixos/modules/config/nix-remote-build.nix>

nix.channel.enable
Whether the ‘nix-channel’ command and state files are made available on the machine.

The following files are initialized when enabled:

- ‘/nix/var/nix/profiles/per-user/root/channels’
- ‘/root/.nix-channels’
- ‘$HOME/.nix-defexpr/channels’ (on login)

Disabling this option will not remove the state files from the system.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/config/nix-channel.nix>

nix.checkAllErrors
If enabled, checks the nix.conf parsing for any kind of error. When disabled, checks only for unknown settings.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/config/nix.nix>

nix.checkConfig
If enabled, checks that Nix can parse the generated nix.conf.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/config/nix.nix>

nix.daemonCPUSchedPolicy

Nix daemon process CPU scheduling policy. This policy propagates to build processes. ‘other’ is the default scheduling policy for regular tasks. The ‘batch’ policy is similar to ‘other’, but optimised for non−interactive tasks. ‘idle’ is for extremely low−priority tasks that should only be run when no other task requires CPU time.

Please note that while using the ‘idle’ policy may greatly improve responsiveness of a system performing expensive builds, it may also slow down and potentially starve crucial configuration updates during load.

‘idle’ may therefore be a sensible policy for systems that experience only intermittent phases of high CPU load, such as desktop or portable computers used interactively. Other systems should use the ‘other’ or ‘batch’ policy instead.

For more fine−grained resource control, please refer to **systemd.resource−control**(5) and adjust **systemd.services.nix−daemon** directly.

Type: one of “other”, “batch”, “idle”

Default:

```
"other"
```

Example:

```
"batch"
```

Declared by:
<nixpkgs/nixos/modules/services/system/nix−daemon.nix>

nix.daemonGroup

Group to use to run the Nix daemon.

Type: string

Default:

```
"root"
```

Declared by:
<nixpkgs/nixos/modules/services/system/nix−daemon.nix>

nix.daemonIOSchedClass

Nix daemon process I/O scheduling class. This class propagates to build processes. ‘best−effort’ is the default class for regular tasks. The ‘idle’ class is for extremely low−priority tasks that should only perform I/O when no other task does.

Please note that while using the ‘idle’ scheduling class can improve responsiveness of a system performing expensive builds, it might also slow down or starve crucial configuration updates during load.

‘idle’ may therefore be a sensible class for systems that experience only intermittent phases of high I/O load, such as desktop or portable computers used interactively. Other systems should use the ‘best−effort’ class.

Type: one of “best−effort”, “idle”

Default:

```
"best-effort"
```

Example:

```
"idle"
```

Declared by:
<nixpkgs/nixos/modules/services/system/nix−daemon.nix>

nix.daemonIOSchedPriority
Nix daemon process I/O scheduling priority. This priority propagates to build processes. The supported priorities depend on the scheduling policy: With idle, priorities are not used in scheduling decisions. best−effort supports values in the range 0 (high) to 7 (low).

Type: signed integer

Default:

```
4
```

Example:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/system/nix−daemon.nix>

nix.daemonUser
User to use to run the Nix daemon. If this is not “root” then the Nix daemon will set several settings to preserve functionality. When setting this option, you must also set ‘nix.daemonGroup’.

Type: string

Default:

```
"root"
```

Declared by:
<nixpkgs/nixos/modules/services/system/nix−daemon.nix>

nix.distributedBuilds
Whether to distribute builds to the machines listed in **nix.buildMachines**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/config/nix−remote−build.nix>

nix.extraOptions
Additional text appended to *nix.conf*.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
keep−outputs = true
keep−derivations = true
```

Declared by:
<nixpkgs/nixos/modules/config/nix.nix>

nix.firewall.enable

Whether to enable firewalling for outgoing traffic of the nix daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/system/nix−daemon−firewall.nix>

nix.firewall.allowLoopback

Whether to allow traffic on the loopback interface. Traffic is still subject to protocol/port rules

Type: unspecified value

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/system/nix−daemon−firewall.nix>

nix.firewall.allowNonTCPUDP

Whether to allow traffic that is neither TCP nor UDP

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/system/nix−daemon−firewall.nix>

nix.firewall.allowPrivateNetworks

Whether to allow traffic to local networks. Traffic is still subject to protocol/port rules. Note that this option may break DNS resolution when the DNS resolver is in a local network

Type: unspecified value

Default:

```
true
```

Example:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/system/nix−daemon−firewall.nix>

nix.firewall.allowedTCPPorts

TCP ports to which traffic is allowed. Specifying no ports will allow all TCP traffic

Type: list of ((optionally newline−terminated) single−line string or 16 bit unsigned integer; between 0 and 65535 (both inclusive))

Default:

```
[ ]
```

Example:

```
[
  "http"
  443
  "30000−31000"
]
```

Declared by:

<nixpkgs/nixos/modules/services/system/nix−daemon−firewall.nix>

nix.firewall.allowedUDPPorts

UDP ports to which traffic is allowed. Specifying no ports will allow all UDP traffic

Type: list of ((optionally newline−terminated) single−line string or 16 bit unsigned integer; between 0 and 65535 (both inclusive))

Default:

```
[ ]
```

Example:

```
[
  53
]
```

Declared by:

<nixpkgs/nixos/modules/services/system/nix−daemon−firewall.nix>

nix.firewall.extraNftablesRules

Extra nftables rules to prepend to the generated ones

Type: list of (optionally newline−terminated) single−line string

Default:

```
[ ]
```

Example:

```
[
  "ip daddr 1.1.1.1 udp dport accept"
]
```

Declared by:

<nixpkgs/nixos/modules/services/system/nix−daemon−firewall.nix>

nix.gc.automatic

Automatically run the garbage collector at a specific time.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nix−gc.nix>

nix.gc.dates
How often or when garbage collection is performed. For most desktop and server systems a sufficient garbage collection is once a week.

This value must be a calendar event in the format specified by **systemd.time**(7).

Type: (optionally newline−terminated) single−line string or list of string

Default:

```
[
  "03:15"
]
```

Example:

```
"weekly"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nix−gc.nix>

nix.gc.options
Options given to ‘nix−collect−garbage’ when the garbage collector is run automatically.

Type: (optionally newline−terminated) single−line string

Default:

```
""
```

Example:

```
"−−max−freed $((64 * 1024**3))"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nix−gc.nix>

nix.gc.persistent
Takes a boolean argument. If true, the time when the service unit was last triggered is stored on disk. When the timer is activated, the service unit is triggered immediately if it would have been triggered at least once during the time when the timer was inactive. Such triggering is nonetheless subject to the delay imposed by RandomizedDelaySec=. This is useful to catch up on missed runs of the service when the system was powered down.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nix−gc.nix>

nix.gc.randomizedDelaySec
Add a randomized delay before each garbage collection. The delay will be chosen between zero and this value. This value must be a time span in the format specified by **systemd.time**(7)

Type: (optionally newline−terminated) single−line string

Default:

```
"0"
```

Example:

```
"45min"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nix−gc.nix>

nix.nixPath
The default Nix expression search path, used by the Nix evaluator to look up paths enclosed in angle brackets (e.g. ‘<nixpkgs>’).

Type: list of string

Default:

```
if nix.channel.enable
then [
  "nixpkgs=/nix/var/nix/profiles/per−user/root/channels/nixos"
  "nixos−config=/etc/nixos/configuration.nix"
  "/nix/var/nix/profiles/per−user/root/channels"
]
else [];
```

Declared by:
<nixpkgs/nixos/modules/config/nix−channel.nix>

nix.nrBuildUsers
Number of ‘nixbld’ user accounts created to perform secure concurrent builds. If you receive an error message saying that “all build users are currently in use”, you should increase this value.

Type: signed integer

Declared by:
<nixpkgs/nixos/modules/services/system/nix−daemon.nix>

nix.optimise.automatic
Automatically run the nix store optimiser at a specific time.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nix−optimise.nix>

nix.optimise.dates
Specification (in the format described by **systemd.time**(7)) of the time at which the optimiser will run.

Type: (optionally newline−terminated) single−line string or list of string

Default:

```
[
  "03:45"
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nix−optimise.nix>

nix.optimise.persistent

Takes a boolean argument. If true, the time when the service unit was last triggered is stored on disk. When the timer is activated, the service unit is triggered immediately if it would have been triggered at least once during the time when the timer was inactive. Such triggering is nonetheless subject to the delay imposed by RandomizedDelaySec=. This is useful to catch up on missed runs of the service when the system was powered down.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/nix−optimise.nix>

nix.optimise.randomizedDelaySec

Add a randomized delay before the optimizer will run. The delay will be chosen between zero and this value. This value must be a time span in the format specified by **systemd.time**(7)

Type: (optionally newline−terminated) single−line string

Default:

```
"1800"
```

Example:

```
"45min"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/nix−optimise.nix>

nix.registry

A system−wide flake registry.

See **nix3−registry**(1) for more information.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/config/nix−flakes.nix>

nix.registry.<name>.exact

Whether the **from** reference needs to match exactly. If set, a **from** reference like ‘nixpkgs’ does not match with a reference like ‘nixpkgs/nixos−20.03’.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/config/nix−flakes.nix>

nix.registry.<name>.flake

The flake input **from** is rewritten to.

Type: null or (attribute set)

Default:

```
null
```

Example:

```
nixpkgs
```

Declared by:

<nixpkgs/nixos/modules/config/nix−flakes.nix>

nix.registry.<name>.from

The flake reference to be rewritten.

The format of flake references is described in **nix3−flake**(1).

Type: attribute set of (string or signed integer or boolean or absolute path or package)

Default:

```
{ }
```

Example:

```
{
  id = "nixpkgs";
  type = "indirect";
}
```

Declared by:

<nixpkgs/nixos/modules/config/nix−flakes.nix>

nix.registry.<name>.to

The flake reference **from** is rewritten to.

The format of flake references is described in **nix3−flake**(1).

Type: attribute set of (string or signed integer or boolean or absolute path or package)

Default:

```
{ }
```

Example:

```
{
  owner = "my−org";
  repo = "my−nixpkgs";
  type = "github";
}
```

Declared by:

<nixpkgs/nixos/modules/config/nix−flakes.nix>

nix.settings

Configuration for Nix, see **https://nixos.org/manual/nix/stable/command−ref/conf−file.html** or **nix.conf**(5) for available options. The value declared here will be translated directly to the key−value pairs Nix expects.

You can use **nix−instantiate −−eval −−strict '<nixpkgs/nixos>' −A config.nix.settings** to view the current value. By default it is empty.

Nix configurations defined under **nix.*** will be translated and applied to this option. In addition,

configuration specified in **nix.extraOptions** will be appended verbatim to the resulting config file.

Type: open submodule of attribute set of (Nix config atom (null, bool, int, float, str, path or package) or list of (Nix config atom (null, bool, int, float, str, path or package)))

Default:

```
{ }
```

Example:

```
{
  use-sandbox = true;
  show-trace = true;
  sandbox-paths = [ "/bin/sh=${pkgs.busybox-sandbox-shell.out}/b \
in/busybox" ];
}
```

Declared by:
<nixpkgs/nixos/modules/config/nix.nix>

nix.settings.allowed-users

A list of names of users (separated by whitespace) that are allowed to connect to the Nix daemon. As with **nix.settings.trusted-users**, you can specify groups by prefixing them with '@'. Also, you can allow all users by specifying '*'. The default is '*'. Note that trusted users are always allowed to connect.

Type: list of string

Default:

```
[
  "*"
]
```

Example:

```
[
  "@wheel"
  "@builders"
  "alice"
  "bob"
]
```

Declared by:
<nixpkgs/nixos/modules/config/nix.nix>

nix.settings.auto-optimise-store

If set to true, Nix automatically detects files in the store that have identical contents, and replaces them with hard links to a single copy. This saves disk space. If set to false (the default), you can still run nix-store --optimise to get rid of duplicate files.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/config/nix.nix>

nix.settings.cores

This option defines the maximum number of concurrent tasks during one build. It affects, e.g., −j option for make. The special value 0 means that the builder should use all available CPU cores in the system. Some builds may become non−deterministic with this option; use with care! Packages will only be affected if enableParallelBuilding is set for them.

Type: signed integer

Default:

Example:

```
64
```

Declared by:

<nixpkgs/nixos/modules/config/nix.nix>

nix.settings.extra−sandbox−paths

Directories from the host filesystem to be included in the sandbox.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "/dev"
  "/proc"
]
```

Declared by:

<nixpkgs/nixos/modules/config/nix.nix>

nix.settings.max−jobs

This option defines the maximum number of jobs that Nix will try to build in parallel. The default is auto, which means it will use all available logical cores. It is recommend to set it to the total number of logical cores in your system (e.g., 16 for two CPUs with 4 cores each and hyper−threading).

Type: signed integer or value “auto” (singular enum)

Default:

```
"auto"
```

Example:

```
64
```

Declared by:

<nixpkgs/nixos/modules/config/nix.nix>

nix.settings.require−sigs

If enabled (the default), Nix will only download binaries from binary caches if they are cryptographically signed with any of the keys listed in **nix.settings.trusted−public−keys**. If disabled, signatures are neither required nor checked, so it’s strongly recommended that you use only trustworthy caches and https to prevent man−in−the−middle attacks.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/config/nix.nix>

nix.settings.sandbox

If set, Nix will perform builds in a sandboxed environment that it will set up automatically for each build. This prevents impurities in builds by disallowing access to dependencies outside of the Nix store by using network and mount namespaces in a chroot environment.

This is enabled by default even though it has a possible performance impact due to the initial setup time of a sandbox for each build. It doesn't affect derivation hashes, so changing this option will not trigger a rebuild of packages.

When set to "relaxed", this option permits derivations that set '__noChroot = true;' to run outside of the sandboxed environment. Exercise caution when using this mode of operation! It is intended to be a quick hack when building with packages that are not easily setup to be built reproducibly.

Type: boolean or value "relaxed" (singular enum)

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/config/nix.nix>

nix.settings.substituters

List of binary cache URLs used to obtain pre−built binaries of Nix packages.

By default https://cache.nixos.org/ is added.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/config/nix.nix>

nix.settings.system−features

The set of features supported by the machine. Derivations can express dependencies on system features through the 'requiredSystemFeatures' attribute.

Type: list of string

Default:

```
[ "nixos−test" "benchmark" "big−parallel" "kvm" "gccarch−<arch>" \
 ]
```

Declared by:
<nixpkgs/nixos/modules/config/nix.nix>

nix.settings.trusted−public−keys

List of public keys used to sign binary caches. If **nix.settings.trusted−public−keys** is enabled, then Nix will use a binary from a binary cache if and only if it is signed by *any* of the keys listed here. By default, only the key for 'cache.nixos.org' is included.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
```

```
    "hydra.nixos.org-1:CNHJZBh9K4tP3EKF6FkkgeVYsS3ohTl+oS0Qa8bezVs="
  ]
```

Declared by:
<nixpkgs/nixos/modules/config/nix.nix>

nix.settings.trusted−substituters
List of binary cache URLs that non−root users can use (in addition to those specified using **nix.settings.substituters**) by passing '−−option binary−caches' to Nix commands.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "https://hydra.nixos.org/"
]
```

Declared by:
<nixpkgs/nixos/modules/config/nix.nix>

nix.settings.trusted−users
A list of names of users that have additional rights when connecting to the Nix daemon, such as the ability to specify additional binary caches, or to import unsigned NARs. You can also specify groups by prefixing them with '@'; for instance, '@wheel' means all users in the wheel group.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "root"
  "alice"
  "@wheel"
]
```

Declared by:
<nixpkgs/nixos/modules/config/nix.nix>

nix.sshServe.enable
Whether to enable serving the Nix store as a remote store via SSH.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nix−ssh−serve.nix>

nix.sshServe.keys
A list of SSH public keys allowed to access the binary cache via SSH.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "ssh-dss AAAAB3NzaC1k... alice@example.org"
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nix-ssh-serve.nix>

nix.sshServe.protocol
The specific Nix-over-SSH protocol to use.

Type: one of “ssh”, “ssh-ng”

Default:

```
"ssh"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nix-ssh-serve.nix>

nix.sshServe.trusted
Whether to add nix-ssh to the nix.settings.trusted-users

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nix-ssh-serve.nix>

nix.sshServe.write
Whether to enable writing to the Nix store as a remote store via SSH. Note: by default, the sshServe user is named nix-ssh and is not a trusted-user. nix-ssh should be added to the **nix.sshServe.trusted** option in most use cases, such as allowing remote building of derivations to anonymous people based on ssh key

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nix-ssh-serve.nix>

nixops.enableDeprecatedAutoLuks
Whether to enable the deprecated NixOps AutoLuks module.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/misc/nixops-autoluks.nix>

nixpkgs.buildPlatform

Specifies the platform on which NixOS should be built. By default, NixOS is built on the system where it runs, but you can change where it's built. Setting this option will cause NixOS to be cross−compiled.

For instance, if you're doing distributed multi−platform deployment, or if you're building machines, you can set this to match your development system and/or build farm.

Ignored when 'nixpkgs.pkgs' is set.

Type: string or (attribute set)

Default:

```
config.nixpkgs.hostPlatform
```

Example:

```
{
  system = "x86_64−linux";
}
```

Declared by:

<nixpkgs/nixos/modules/misc/nixpkgs.nix>

nixpkgs.config

Global configuration for Nixpkgs. The complete list of **Nixpkgs configuration options** is in the **Nixpkgs manual section on global configuration**.

Ignored when **nixpkgs.pkgs** is set.

Type: nixpkgs config

Default:

```
{ }
```

Example:

```
{ allowBroken = true; allowUnfree = true; }
```

Declared by:

<nixpkgs/nixos/modules/misc/nixpkgs.nix>

nixpkgs.crossSystem

Systems with a recently generated 'hardware−configuration.nix' may instead specify *only* **nixpkgs.buildPlatform**, or fall back to removing the **nixpkgs.hostPlatform** line from the generated config.

Specifies the platform for which NixOS should be built. Specify this only if it is different from 'nixpkgs.localSystem', the platform *on* which NixOS should be built. In other words, specify this to cross−compile NixOS. Otherwise it should be set as null, the default. See its description in the Nixpkgs manual for more details.

Ignored when 'nixpkgs.pkgs' or 'hostPlatform' is set.

Type: null or (attribute set)

Default:

```
null
```

Example:

```
{
  system = "aarch64−linux";
}
```

Declared by:
<nixpkgs/nixos/modules/misc/nixpkgs.nix>

nixpkgs.flake.setFlakeRegistry
Whether to pin nixpkgs in the system−wide flake registry (‘/etc/nix/registry.json’) to the store path of the sources of nixpkgs used to build the NixOS system.

This is on by default for NixOS configurations built with flakes.

This option makes **nix run nixpkgs#hello** reuse dependencies from the system, avoid refetching nixpkgs, and have a consistent result every time.

Note that this option makes the NixOS closure depend on the nixpkgs sources, which may add undesired closure size if the system will not have any nix commands run on it.

Type: boolean

Default:

```
"config.nixpkgs.flake.source != null"
```

Declared by:
<nixpkgs/nixos/modules/misc/nixpkgs−flake.nix>

nixpkgs.flake.setNixPath
Whether to set **NIX_PATH** to include ‘nixpkgs=flake:nixpkgs’ such that ‘<nixpkgs>’ lookups receive the version of nixpkgs that the system was built with, in concert with **nixpkgs.flake.setFlakeRegistry**.

This is on by default for NixOS configurations built with flakes.

This makes **nix−build '<nixpkgs>' −A hello** work out of the box on flake systems.

Note that this option makes the NixOS closure depend on the nixpkgs sources, which may add undesired closure size if the system will not have any nix commands run on it.

Type: boolean

Default:

```
"config.nixpkgs.flake.source != null"
```

Declared by:
<nixpkgs/nixos/modules/misc/nixpkgs−flake.nix>

nixpkgs.flake.source
The path to the nixpkgs sources used to build the system. This is automatically set up to be the store path of the nixpkgs flake used to build the system if using ‘nixpkgs.lib.nixosSystem’, and is otherwise null by default.

This can also be optionally set if the NixOS system is not built with a flake but still uses pinned sources: set this to the store path for the nixpkgs sources used to build the system, as may be obtained by ‘fetchTarball’, for example.

Note: the name of the store path must be “source” due to **https://github.com/NixOS/nix/issues/7075**.

Type: null or string or absolute path

Default:

```
"if (using nixpkgsFlake.lib.nixosSystem) then self.outPath else nul \
l"
```

Example:

```
"fetchTarball { name = \"source\"; sha256 = \"sha256−AAAAAAAAAA \
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA=\"; url = \"https://github.com/ \
nixos/nixpkgs/archive/somecommit.tar.gz\"; }"
```

Declared by:
<nixpkgs/nixos/modules/misc/nixpkgs−flake.nix>

nixpkgs.hostPlatform
Specifies the platform where the NixOS configuration will run.

To cross−compile, set also ‘nixpkgs.buildPlatform’.

Ignored when ‘nixpkgs.pkgs’ is set.

Type: string or (attribute set)

Example:

```
{
  system = "aarch64−linux";
}
```

Declared by:
<nixpkgs/nixos/modules/misc/nixpkgs.nix>

nixpkgs.localSystem
Systems with a recently generated ‘hardware−configuration.nix’ do not need to specify this option, unless cross−compiling, in which case you should set *only* **nixpkgs.buildPlatform**.

If this is somehow not feasible, you may fall back to removing the **nixpkgs.hostPlatform** line from the generated config and use the old options.

Specifies the platform on which NixOS should be built. When ‘nixpkgs.crossSystem’ is unset, it also specifies the platform *for* which NixOS should be built. If this option is unset, it defaults to the platform type of the machine where evaluation happens. Specifying this option is useful when doing distributed multi−platform deployment, or when building virtual machines. See its description in the Nixpkgs manual for more details.

Ignored when ‘nixpkgs.pkgs’ or ‘hostPlatform’ is set.

Type: attribute set

Default:

```
config.nixpkgs.system
```

Example:

```
{
  system = "aarch64−linux";
}
```

Declared by:
<nixpkgs/nixos/modules/misc/nixpkgs.nix>

nixpkgs.overlays
List of overlays to apply to Nixpkgs. This option allows modifying the Nixpkgs package set accessed through the ‘pkgs’ module argument.

For details, see the **Overlays chapter in the Nixpkgs manual**.

If the **nixpkgs.pkgs** option is set, overlays specified using ‘nixpkgs.overlays’ will be applied after the overlays that were already included in ‘nixpkgs.pkgs’.

Type: list of (nixpkgs overlay)

Default:

```
[ ]
```

Example:

```
[
  (self: super: {
    openssh = super.openssh.override {
      hpnSupport = true;
      kerberos = self.libkrb5;
    };
  })
]
```

Declared by:

<nixpkgs/nixos/modules/misc/nixpkgs.nix>

nixpkgs.pkgs

If set, the pkgs argument to all NixOS modules is the value of this option, extended with ‘nixpkgs.overlays’, if that is also set. Either ‘nixpkgs.crossSystem’ or ‘nixpkgs.localSystem’ will be used in an assertion to check that the NixOS and Nixpkgs architectures match. Any other options in ‘nixpkgs.*’, notably ‘config’, will be ignored.

If unset, the pkgs argument to all NixOS modules is determined as shown in the default value for this option.

The default value imports the Nixpkgs source files relative to the location of this NixOS module, because NixOS and Nixpkgs are distributed together for consistency, so the ‘nixos’ in the default value is in fact a relative path. The ‘config’, ‘overlays’, ‘localSystem’, and ‘crossSystem’ come from this option’s siblings.

This option can be used by applications like NixOps to increase the performance of evaluation, or to create packages that depend on a container that should be built with the exact same evaluation of Nixpkgs, for example. Applications like this should set their default value using ‘lib.mkDefault’, so user−provided configuration can override it without using ‘lib’.

Note that using a distinct version of Nixpkgs with NixOS may be an unexpected source of problems. Use this option with care.

Type: An evaluation of Nixpkgs; the top level attribute set of packages

Default:

```
import "${nixos}/.." {
  inherit (config.nixpkgs) config overlays localSystem crossSystem;
}
```

Example:

```
import <nixpkgs> {}
```

Declared by:

<nixpkgs/nixos/modules/misc/nixpkgs.nix>

nixpkgs.system

This option does not need to be specified for NixOS configurations with a recently generated ‘hardware−configuration.nix’.

Specifies the Nix platform type on which NixOS should be built. It is better to specify ‘nixpkgs.localSystem’ instead.

```
{
  nixpkgs.system = ..;
}
```

is the same as

```
{
```

```
  nixpkgs.localSystem.system = ..;
}
```

See ‘nixpkgs.localSystem’ for more information.

Ignored when ‘nixpkgs.pkgs’, ‘nixpkgs.localSystem’ or ‘nixpkgs.hostPlatform’ is set.

Type: string

Default: Traditionally builtins.currentSystem, but unset when invoking NixOS through lib.nixosSystem.

Example:

```
"i686-linux"
```

Declared by:
<nixpkgs/nixos/modules/misc/nixpkgs.nix>

openstack.zfs.datasets

Datasets to create under the ‘tank’ and ‘boot’ zpools.

NOTE: This option is used only at image creation time, and does not attempt to declaratively create or manage datasets on an existing system.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/openstack-options.nix>

openstack.zfs.datasets.<name>.mount

Where to mount this dataset.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/openstack-options.nix>

openstack.zfs.datasets.<name>.properties

Properties to set on this dataset.

Type: attribute set of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/openstack-options.nix>

power.ups.enable

Whether to enable support for Power Devices, such as Uninterruptible Power Supplies, Power Distribution Units and Solar Controllers .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/ups.nix>

power.ups.package
The nut package to use.

Type: package

Default:

```
pkgs.nut
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/ups.nix>

power.ups.maxStartDelay
This can be set as a global variable above your first UPS definition and it can also be set in a UPS section. This value controls how long upsdrvctl will wait for the driver to finish starting. This keeps your system from getting stuck due to a broken driver or UPS.

Type: signed integer

Default:

```
45
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/ups.nix>

power.ups.mode
The MODE determines which part of the NUT is to be started, and which configuration files must be modified.

The values of MODE can be:

- none: NUT is not configured, or use the Integrated Power Management, or use some external system to startup NUT components. So nothing is to be started.
- standalone: This mode address a local only configuration, with 1 UPS protecting the local system. This implies to start the 3 NUT layers (driver, upsd and upsmon) and the matching configuration files. This mode can also address UPS redundancy.
- netserver: same as for the standalone configuration, but also need some more ACLs and possibly a specific LISTEN directive in upsd.conf. Since this MODE is opened to the network, a special care should be applied to security concerns.
- netclient: this mode only requires upsmon.

Type: one of “none”, “standalone”, “netserver”, “netclient”

Default:

```
"standalone"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/ups.nix>

power.ups.openFirewall
Open ports in the firewall for ‘upsd’.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/ups.nix>

power.ups.schedulerRules
File which contains the rules to handle UPS events.

Type: string

Example:

```
"/etc/nixos/upssched.conf"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/ups.nix>

power.ups.ups
This is where you configure all the UPSes that this system will be monitoring directly. These are usually attached to serial ports, but USB devices are also supported.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/ups.nix>

power.ups.ups.<name>.description
Description of the UPS.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/ups.nix>

power.ups.ups.<name>.directives
List of configuration directives for this UPS.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/ups.nix>

power.ups.ups.<name>.driver
Specify the program to run to talk to this UPS. apcsmart, bestups, and sec are some examples.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/ups.nix>

power.ups.ups.<name>.maxStartDelay
This can be set as a global variable above your first UPS definition and it can also be set in a UPS section. This value controls how long upsdrvctl will wait for the driver to finish starting. This keeps your system from getting stuck due to a broken driver or UPS.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/ups.nix>

power.ups.ups.<name>.port
The serial port to which your UPS is connected. /dev/ttyS0 is usually the first port on Linux boxes, for example.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/ups.nix>

power.ups.ups.<name>.shutdownOrder
When you have multiple UPSes on your system, you usually need to turn them off in a certain order. upsdrvctl shuts down all the 0s, then the 1s, 2s, and so on. To exclude a UPS from the shutdown sequence, set this to −1.

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/services/monitoring/ups.nix>

power.ups.ups.<name>.summary
Lines which would be added inside ups.conf for handling this UPS.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/ups.nix>

power.ups.upsd
Options for the ‘upsd.conf’ configuration file.

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/ups.nix>

power.ups.upsd.enable
Whether to enable ‘upsd’.

Type: boolean

Default: true if mode is one of standalone, netserver

Declared by:
<nixpkgs/nixos/modules/services/monitoring/ups.nix>

power.ups.upsd.extraConfig
Additional lines to add to ‘upsd.conf’.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/ups.nix>

power.ups.upsd.listen
Address of the interface for ‘upsd’ to listen on. See ‘man upsd’ for details`.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    address = "192.168.50.1";
  }
  {
    address = "::1";
    port = 5923;
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/ups.nix>

power.ups.upsd.listen.*.address
Address of the interface for ‘upsd’ to listen on. See ‘man upsd.conf’ for details.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/ups.nix>

power.ups.upsd.listen.*.port
TCP port for ‘upsd’ to listen on. See ‘man upsd.conf’ for details.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3493
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/ups.nix>

power.ups.upsmon
Options for the ‘upsmon.conf’ configuration file.

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/ups.nix>

power.ups.upsmon.enable
Whether to enable ‘upsmon’.

Type: boolean

Default: true if mode is one of standalone, netserver, netclient

Declared by:
<nixpkgs/nixos/modules/services/monitoring/ups.nix>

power.ups.upsmon.group
Group for the default ‘nutmon’ user. If the default user is created and this is not specified, a default group will be created.

Type: string

Default:

```
"nutmon"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/ups.nix>

power.ups.upsmon.monitor
Set of UPS to monitor. See ‘man upsmon.conf’ for details.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/ups.nix>

power.ups.upsmon.monitor.<name>.passwordFile
The full path to a file containing the password from ‘upsd.users’ for accessing this UPS. The password file is read on service start. See ‘upsmon.conf’ for details.

Type: string

Default: power.ups.users.${user}.passwordFile

Declared by:
<nixpkgs/nixos/modules/services/monitoring/ups.nix>

power.ups.upsmon.monitor.<name>.powerValue
Number of power supplies that the UPS feeds on this system. See ‘upsmon.conf’ for details.

Type: signed integer

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/ups.nix>

power.ups.upsmon.monitor.<name>.system
Identifier of the UPS to monitor, in this form: ‘<upsname>[@<hostname>[:<port>]]’ See ‘upsmon.conf’ for details.

Type: string

Default:

```
"‹name›"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/ups.nix>

power.ups.upsmon.monitor.<name>.type

The relationship with ‘upsd’. See ‘upsmon.conf’ for details.

Type: string

Default:

```
"master"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/ups.nix>

power.ups.upsmon.monitor.<name>.user

Username from ‘upsd.users’ for accessing this UPS. See ‘upsmon.conf’ for details.

Type: string

Declared by:

<nixpkgs/nixos/modules/services/monitoring/ups.nix>

power.ups.upsmon.settings

Additional settings to add to ‘upsmon.conf’.

Type: attribute set of (atom (null, bool, int, float or string) or list of non−empty (list of (atom (null, bool, int, float or string))))

Default: { MINSUPPLIES = 1; MONITOR = <generated from config.power.ups.upsmon.monitor> NOTIFYCMD = “${cfg.package}/bin/upssched”; POWERDOWNFLAG = “/run/killpower”; SHUTDOWNCMD = “${pkgs.systemd}/bin/shutdown now”; }

Example: { MINSUPPLIES = 2; NOTIFYFLAG = [[“ONLINE” “SYSLOG+EXEC”] [“ONBATT” “SYSLOG+EXEC”]]; }

Declared by:

<nixpkgs/nixos/modules/services/monitoring/ups.nix>

power.ups.upsmon.user

User to run ‘upsmon’ as. ‘upsmon.conf’ will have its owner set to this user. If not specified, a default user will be created.

Type: string

Default:

```
"nutmon"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/ups.nix>

power.ups.users

Users that can access upsd. See ‘man upsd.users’.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/ups.nix>

power.ups.users.<name>.actions

Allow the user to do certain things with upsd. See ‘man upsd.users’ for details.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/ups.nix>

power.ups.users.<name>.instcmds
Let the user initiate specific instant commands. Use “ALL” to grant all commands automatically. For the full list of what your UPS supports, use “upscmd −l”. See ‘man upsd.users’ for details.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/ups.nix>

power.ups.users.<name>.passwordFile
The full path to a file that contains the user’s (clear text) password. The password file is read on service start.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/ups.nix>

power.ups.users.<name>.upsmon
Add the necessary actions for a upsmon process to work. See ‘man upsd.users’ for details.

Type: null or one of “primary”, “secondary”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/ups.nix>

powerManagement.enable
Whether to enable power management. This includes support for suspend−to−RAM and powersave features on laptops.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/config/power−management.nix>

powerManagement.bootCommands
Commands executed only once after initial boot. These commands are executed before ‘powerUpCommands’.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
"${pkgs.networkmanager}/bin/nmcli radio wifi on"
```

Declared by:
<nixpkgs/nixos/modules/config/power−management.nix>

powerManagement.cpuFreqGovernor

Configure the governor used to regulate the frequency of the available CPUs. By default, the kernel configures the performance governor, although this may be overwritten in your hardware−configuration.nix file.

Often used values: “ondemand”, “powersave”, “performance”

Type: null or string

Default:

```
null
```

Example:

```
"ondemand"
```

Declared by:

<nixpkgs/nixos/modules/tasks/cpu−freq.nix>

powerManagement.cpufreq.max

The maximum frequency the CPU will use. Defaults to the maximum possible.

Type: null or (unsigned integer, meaning >=0)

Default:

```
null
```

Example:

```
2200000
```

Declared by:

<nixpkgs/nixos/modules/tasks/cpu−freq.nix>

powerManagement.cpufreq.min

The minimum frequency the CPU will use.

Type: null or (unsigned integer, meaning >=0)

Default:

```
null
```

Example:

```
800000
```

Declared by:

<nixpkgs/nixos/modules/tasks/cpu−freq.nix>

powerManagement.powerDownCommands

Commands executed when the machine powers down. That is, they’re executed both when the system shuts down and when it goes to suspend or hibernation.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
"${pkgs.hdparm}/sbin/hdparm −B 255 /dev/sda"
```

Declared by:

<nixpkgs/nixos/modules/config/power−management.nix>

powerManagement.powerUpCommands

Commands executed when the machine powers up. That is, they're executed both when the system first boots and when it resumes from suspend or hibernation.

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
"${pkgs.powertop}/bin/powertop --auto-tune"
```

Declared by:

<nixpkgs/nixos/modules/config/power-management.nix>

powerManagement.powertop.enable

Whether to enable powertop auto tuning on startup.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/tasks/powertop.nix>

powerManagement.powertop.postStart

Shell commands executed after 'powertop' is started.

This can be used to workaround problematic configurations. For example, you can retrigger an 'udev' rule to disable power saving on unsupported USB devices:

```
services.udev.extraRules = '''
  # disable USB auto suspend for Logitech, Inc. G PRO Gaming Mouse
  ACTION=="bind", SUBSYSTEM=="usb", ATTR{idVendor}=="046d", ATTR{id \
Product}=="c08c", TEST=="power/control", ATTR{power/control}="on"
```

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
  ''${lib.getExe' config.systemd.package "udevadm"} trigger -c bin \
d -s usb -a idVendor=046d -a idProduct=c08c
```

Declared by:

<nixpkgs/nixos/modules/tasks/powertop.nix>

powerManagement.powertop.preStart

Shell commands executed before 'powertop' is started.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/tasks/powertop.nix>

powerManagement.resumeCommands
Commands executed after the system resumes from suspend−to−RAM.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
"${pkgs.util-linux}/bin/rfkill unblock all"
```

Declared by:
<nixpkgs/nixos/modules/config/power−management.nix>

powerManagement.scsiLinkPolicy
SCSI link power management policy. The kernel default is “max_performance”.

“med_power_with_dipm” is supported by kernel versions 4.15 and newer.

Type: null or one of “min_power”, “max_performance”, “medium_power”, “med_power_with_dipm”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/tasks/scsi−link−power−management.nix>

programs._1password.enable
Whether to enable the 1Password CLI tool.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/_1password.nix>

programs._1password.package
The 1Password CLI package to use.

Type: package

Default:

```
pkgs._1password-cli
```

Declared by:
<nixpkgs/nixos/modules/programs/_1password.nix>

programs._1password−gui.enable
Whether to enable the 1Password GUI application.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/_1password-gui.nix>

programs._1password-gui.package
The 1Password GUI package to use.

Type: package

Default:

```
pkgs._1password-gui
```

Declared by:
<nixpkgs/nixos/modules/programs/_1password-gui.nix>

programs._1password-gui.polkitPolicyOwners
A list of users who should be able to integrate 1Password with polkit-based authentication mechanisms.

Type: list of string

Default:

```
[ ]
```

Example:

```
["user1" "user2" "user3"]
```

Declared by:
<nixpkgs/nixos/modules/programs/_1password-gui.nix>

programs.alvr.enable
Whether to enable ALVR, the VR desktop streamer.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/alvr.nix>

programs.alvr.package
The alvr package to use.

Type: package

Default:

```
pkgs.alvr
```

Declared by:
<nixpkgs/nixos/modules/programs/alvr.nix>

programs.alvr.openFirewall
Whether to open the default ports in the firewall for the ALVR server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/alvr.nix>

programs.amnezia−vpn.enable
Whether to enable The AmneziaVPN client.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/amnezia−vpn.nix>

programs.amnezia−vpn.package
The amnezia−vpn package to use.

Type: package

Default:

```
pkgs.amnezia−vpn
```

Declared by:
<nixpkgs/nixos/modules/programs/amnezia−vpn.nix>

programs.appgate−sdp.enable
Whether to enable the AppGate SDP VPN client.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/appgate−sdp.nix>

programs.appimage.enable
Whether to enable appimage−run wrapper script for executing appimages on NixOS.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/appimage.nix>

programs.appimage.package
The appimage−run package to use.

Type: package

Default:

```
pkgs.appimage−run
```

Example:

```
pkgs.appimage-run.override {
  extraPkgs = pkgs: [ pkgs.ffmpeg pkgs.imagemagick ];
}
```

Declared by:
<nixpkgs/nixos/modules/programs/appimage.nix>

programs.appimage.binfmt
Whether to enable binfmt registration to run appimages via appimage−run seamlessly.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/appimage.nix>

programs.arp−scan.enable
Whether to configure a setcap wrapper for arp−scan.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/arp−scan.nix>

programs.atop.enable
Whether to enable Atop, a tool for monitoring system resources.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/atop.nix>

programs.atop.package
The atop package to use.

Type: package

Default:

```
pkgs.atop
```

Declared by:
<nixpkgs/nixos/modules/programs/atop.nix>

programs.atop.atopRotateTimer.enable

Whether to enable the atop−rotate timer, which restarts the atop service daily to make sure the data files are rotate.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/atop.nix>

programs.atop.atopService.enable

Whether to enable the atop service responsible for storing statistics for long−term analysis.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/atop.nix>

programs.atop.atopacctService.enable

Whether to enable the atopacct service which manages process accounting. This allows Atop to gather data about processes that disappeared in between two refresh intervals.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/atop.nix>

programs.atop.atopgpu.enable

Whether to install and enable the atopgpud daemon to get information about NVIDIA gpus.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/programs/atop.nix>

programs.atop.netatop.enable

Whether to install and enable the netatop kernel module. Note: this sets the kernel taint flag “O” for loading out−of−tree modules.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/programs/atop.nix>

programs.atop.netatop.package
Which package to use for netatop.

Type: package

Default:

```
config.boot.kernelPackages.netatop
```

Declared by:
<nixpkgs/nixos/modules/programs/atop.nix>

programs.atop.settings
Parameters to be written to */etc/atoprc*.

Type: attribute set

Default:

```
{ }
```

Example:

```
{
  flags = "a1f";
  interval = 5;
}
```

Declared by:
<nixpkgs/nixos/modules/programs/atop.nix>

programs.atop.setuidWrapper.enable
Whether to install a setuid wrapper for Atop. This is required to use some of the features as non−root user (e.g.: ipc information, netatop, atopgpu). Atop tries to drop the root privileges shortly after starting.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/atop.nix>

programs.atuin.enable
Whether to enable atuin.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/atuin.nix>

programs.atuin.enableBashIntegration
Whether to enable Bash integration.

Type: boolean

Default:

```
config.programs.bash.enable
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/atuin.nix>

programs.atuin.enableFishIntegration
Whether to enable Fish integration.

Type: boolean

Default:

```
config.programs.fish.enable
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/atuin.nix>

programs.atuin.enableZshIntegration
Whether to enable Zsh integration.

Type: boolean

Default:

```
config.programs.zsh.enable
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/atuin.nix>

programs.atuin.package
The atuin package to use.

Type: package

Default:

```
pkgs.atuin
```

Declared by:
<nixpkgs/nixos/modules/programs/atuin.nix>

programs.atuin.daemon.enable
Whether to enable the Atuin daemon.

Type: boolean

Default:

```
pkgs.stdenv.hostPlatform.isLinux
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/atuin.nix>

programs.atuin.daemon.logLevel

Log level for the Atuin daemon.

Type: one of “trace”, “debug”, “info”, “warn”, “error”

Default:

```
"info"
```

Declared by:

<nixpkgs/nixos/modules/programs/atuin.nix>

programs.atuin.flags

Flags to append to the shell hook.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--disable-up-arrow"
  "--disable-ctrl-r"
]
```

Declared by:

<nixpkgs/nixos/modules/programs/atuin.nix>

programs.atuin.settings

Configuration written to */etc/atuin/config.toml*.

See **https://docs.atuin.sh/configuration/config/** for the full list of options.

Type: TOML value

Default:

```
{ }
```

Example:

```
{
  auto_sync = true;
  sync_frequency = "5m";
  sync_address = "https://api.atuin.sh";
  search_mode = "prefix";
}
```

Declared by:

<nixpkgs/nixos/modules/programs/atuin.nix>

programs.atuin.themes

Each theme is written to */etc/atuin/themes/theme-name.toml* where the name of each attribute is the theme-name

See **https://docs.atuin.sh/guide/theming/** for the full list of options.

Type: attribute set of (TOML value or absolute path or strings concatenated with “\n”)

Default:

```
{ }
```

Example:

```
{
```

```
  "my-theme" = {
    theme.name = "My Theme";
    colors = {
      Base = "#000000";
      Title = "#FFFFFF";
    };
  };
}
```

Declared by:
<nixpkgs/nixos/modules/programs/atuin.nix>

programs.ausweisapp.enable
Whether to enable AusweisApp.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/ausweisapp.nix>

programs.ausweisapp.openFirewall
Whether to open the required firewall ports for the Smartphone as Card Reader (SaC) functionality of AusweisApp.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/ausweisapp.nix>

programs.autoenv.enable
Whether to enable autoenv.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/autoenv.nix>

programs.autoenv.package
The autoenv package to use.

Type: package

Default:

```
pkgs.autoenv
```

Declared by:
<nixpkgs/nixos/modules/programs/autoenv.nix>

programs.autojump.enable
Whether to enable autojump.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/autojump.nix>

programs.bandwhich.enable
Whether to add bandwhich to the global environment and configure a setcap wrapper for it.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/bandwhich.nix>

programs.bash.enable
Whenever to configure Bash as an interactive shell. Note that this tries to make Bash the default **users.defaultUserShell**, which in turn means that you might need to explicitly set this variable if you have another shell configured with NixOS.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/bash/bash.nix>

programs.bash.enableLsColors
Whether to enable extra colors in directory listings.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/bash/ls−colors.nix>

programs.bash.blesh.enable
Whether to enable blesh, a full−featured line editor written in pure Bash.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/bash/blesh.nix>

programs.bash.completion.enable
Whether to enable Bash completion for all interactive bash shells.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/bash/bash−completion.nix>

programs.bash.completion.package
The bash−completion package to use.

Type: package

Default:

```
pkgs.bash−completion
```

Declared by:
<nixpkgs/nixos/modules/programs/bash/bash−completion.nix>

programs.bash.interactiveShellInit
Shell script code called during interactive bash shell initialisation.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/programs/bash/bash.nix>

programs.bash.loginShellInit
Shell script code called during login bash shell initialisation.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/programs/bash/bash.nix>

programs.bash.logout
Shell script code called during login bash shell logout.

Type: strings concatenated with “\n”

Default:

```
printf '\e]0;\a'
```

Declared by:
<nixpkgs/nixos/modules/programs/bash/bash.nix>

programs.bash.lsColorsFile

Alternative colorscheme for ls colors

Type: null or absolute path

Default:

```
null
```

Example:

```
${pkgs.dircolors-solarized}/ansi-dark
```

Declared by:

<nixpkgs/nixos/modules/programs/bash/ls-colors.nix>

programs.bash.promptInit

Shell script code used to initialise the bash prompt.

Type: strings concatenated with “\n”

Default:

```
# Provide a nice prompt if the terminal supports it.
if [ "$TERM" != "dumb" ] || [ -n "$INSIDE_EMACS" ]; then
  PROMPT_COLOR="1;31m"
  ((UID)) && PROMPT_COLOR="1;32m"
  if [ -n "$INSIDE_EMACS" ]; then
    # Emacs term mode doesn't support xterm title escape sequence \
(\e]0;)
    PS1="\n\[\033[$PROMPT_COLOR\][\u@\h:\w]\\$\[\033[0 \
m\] "
  else
    PS1="\n\[\033[$PROMPT_COLOR\][\[\e]0;\u@\h: \w\a\] \
\u@\h:\w]\\$\[\033[0m\] "
  fi
  if test "$TERM" = "xterm"; then
    PS1="\[\033]2;\h:\u:\w\007\]$PS1"
  fi
fi
```

Declared by:

<nixpkgs/nixos/modules/programs/bash/bash.nix>

programs.bash.shellAliases

Set of aliases for bash shell, which overrides **environment.shellAliases**. See **environment.shellAliases** for an option format description.

Type: attribute set of (null or string or absolute path)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/programs/bash/bash.nix>

programs.bash.shellInit

Shell script code called during bash shell initialisation.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/programs/bash/bash.nix>

programs.bash.undistractMe.enable
Whether to enable notifications when long−running terminal commands complete.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/bash/undistract−me.nix>

programs.bash.undistractMe.playSound
Whether to enable notification sounds when long−running terminal commands complete.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/bash/undistract−me.nix>

programs.bash.undistractMe.timeout
Number of seconds it would take for a command to be considered long−running.

Type: signed integer

Default:

```
10
```

Declared by:
<nixpkgs/nixos/modules/programs/bash/undistract−me.nix>

programs.bash.vteIntegration
Whether to enable Bash integration for VTE terminals. This allows it to preserve the current directory of the shell across terminals.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/config/vte.nix>

programs.bash−my−aws.enable
Whether to enable bash−my−aws.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/bash−my−aws.nix>

programs.bat.enable
Whether to enable ‘bat’, a **cat**(1) clone with wings.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/bat.nix>

programs.bat.package
The bat package to use.

Type: package

Default:

```
pkgs.bat
```

Declared by:
<nixpkgs/nixos/modules/programs/bat.nix>

programs.bat.extraPackages
Extra ‘bat’ scripts to be added to the system configuration.

Type: list of package

Default:

```
[ ]
```

Example:

```
with pkgs.bat−extras; [
  batdiff
  batman
  prettybat
];
```

Declared by:
<nixpkgs/nixos/modules/programs/bat.nix>

programs.bat.settings
Parameters to be written to the system−wide ‘bat’ configuration file.

Type: attribute set of (atom (null, bool, int, float or string) or a list of them for duplicate keys)

Default:

```
{ }
```

Example:

```
{
  italic−text = "always";
  map−syntax = [
    "*.ino:C++"
    ".ignore:Git Ignore"
```

```
    ];
    pager = "less --RAW-CONTROL-CHARS --quit-if-one-screen  \
  --mouse";
    paging = "never";
    theme = "TwoDark";
  }
```

Declared by:
<nixpkgs/nixos/modules/programs/bat.nix>

programs.bazecor.enable
Whether to enable Bazecor, the graphical configurator for Dygma Products.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/bazecor.nix>

programs.bazecor.package
The bazecor package to use.

Type: package

Default:

```
pkgs.bazecor
```

Declared by:
<nixpkgs/nixos/modules/programs/bazecor.nix>

programs.bcc.enable
Whether to enable bcc, tools for BPF-based Linux IO analysis, networking, monitoring, and more.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/bcc.nix>

programs.benchexec.enable
Whether to enable BenchExec.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/benchexec.nix>

programs.benchexec.package
The benchexec package to use.

Type: package

Default:

```
pkgs.benchexec
```

Declared by:
<nixpkgs/nixos/modules/programs/benchexec.nix>

programs.benchexec.users
Users that intend to use BenchExec. Provide usernames of users that are configured via **users.users** as string, and UIDs of "mutable users" as integers. Control group delegation will be configured via systemd. For more information, see **https://github.com/sosy-lab/benchexec/blob/3.18/doc/INSTALL.md#setting-up-cgroups**.

Type: list of (string or signed integer)

Default:

```
[ ]
```

Example:

```
[
  "alice" # username of a user configured via users.users
  1007    # UID of a mutable user
]
```

Declared by:
<nixpkgs/nixos/modules/programs/benchexec.nix>

programs.browserpass.enable
Whether to enable Browserpass native messaging host.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/browserpass.nix>

programs.calls.enable
Whether to enable GNOME calls: a phone dialer and call handler .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/calls.nix>

programs.captive−browser.enable
Whether to enable captive browser, a dedicated Chrome instance to log into captive portals without messing with DNS settings.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/captive−browser.nix>

programs.captive−browser.package
The captive−browser package to use.

Type: package

Default:

```
pkgs.captive−browser
```

Declared by:
<nixpkgs/nixos/modules/programs/captive−browser.nix>

programs.captive−browser.bindInterface
Binds ‘captive−browser’ to the network interface declared in ‘cfg.interface’. This can be used to avoid collisions with private subnets.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/captive−browser.nix>

programs.captive−browser.browser
The shell (/bin/sh) command executed once the proxy starts. When browser exits, the proxy exits. An extra env var PROXY is available.

Here, we use a separate Chrome instance in Incognito mode, so that it can run (and be waited for) alongside the default one, and that it maintains no state across runs. To configure this browser open a normal window in it, settings will be preserved.

@volth: chromium is to open a plain HTTP (not HTTPS nor redirect to HTTPS!) website. upstream uses http://example.com but I have seen captive portals whose DNS server resolves “example.com” to 127.0.0.1

Type: string

Default:

```
env XDG_CONFIG_HOME="$PREV_CONFIG_HOME" ${pkgs.chromium}/bin/chromi \
um −−user−data−dir=${XDG_DATA_HOME:−$HOME/.local/share}/chromi \
um−captive −−proxy−server="socks5://$PROXY" −−host−resolver \
−rules="MAP * ~NOTFOUND , EXCLUDE localhost" −−no−first−run  \
−−new−window −−incognito −no−default−browser−check http:// \
cache.nixos.org/
```

Declared by:
<nixpkgs/nixos/modules/programs/captive−browser.nix>

programs.captive−browser.dhcp−dns
The shell (/bin/sh) command executed to obtain the DHCP DNS server address. The first match of an IPv4 regex is used. IPv4 only, because let's be real, it's a captive portal.

Type: string

Declared by:
<nixpkgs/nixos/modules/programs/captive−browser.nix>

programs.captive−browser.interface
your public network interface (wlp3s0, wlan0, eth0, …)

Type: string

Declared by:
<nixpkgs/nixos/modules/programs/captive−browser.nix>

programs.captive−browser.socks5−addr
the listen address for the SOCKS5 proxy server

Type: string

Default:

```
"localhost:1666"
```

Declared by:
<nixpkgs/nixos/modules/programs/captive−browser.nix>

programs.ccache.enable
Whether to enable CCache, a compiler cache for fast recompilation of C/C++ code.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/ccache.nix>

programs.ccache.packageNames
Nix top−level packages to be compiled using CCache

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "wxwidgets_3_2"
  "ffmpeg"
  "libav_all"
]
```

Declared by:
<nixpkgs/nixos/modules/programs/ccache.nix>

programs.ccache.cacheDir
CCache directory

Type: absolute path

Default:

```
"/var/cache/ccache"
```

Declared by:
<nixpkgs/nixos/modules/programs/ccache.nix>

programs.ccache.group
Group owner of CCache directory

Type: string

Default:

```
"nixbld"
```

Declared by:
<nixpkgs/nixos/modules/programs/ccache.nix>

programs.ccache.owner
Owner of CCache directory

Type: string

Default:

```
"root"
```

Declared by:
<nixpkgs/nixos/modules/programs/ccache.nix>

programs.ccache.trace
Trace ccache usage to see which derivations use ccache

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/ccache.nix>

programs.cdemu.enable
cdemu for members of **programs.cdemu.group**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/cdemu.nix>

programs.cdemu.group
Group that users must be in to use **cdemu**.

Type: string

Default:

```
"cdrom"
```

Declared by:
<nixpkgs/nixos/modules/programs/cdemu.nix>

programs.cdemu.gui
Whether to install the **cdemu** GUI (gCDEmu).

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/cdemu.nix>

programs.cdemu.image−analyzer
Whether to install the image analyzer.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/cdemu.nix>

programs.cfs−zen−tweaks.enable
Whether to enable CFS Zen Tweaks.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/cfs−zen−tweaks.nix>

programs.chromium.enable
Whether to enable policies for chromium based browsers like Chromium, Google Chrome or Brave.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/chromium.nix>

programs.chromium.enablePlasmaBrowserIntegration
Whether to enable Native Messaging Host for Plasma Browser Integration.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/chromium.nix>

programs.chromium.defaultSearchProviderEnabled
Enable the default search provider.

Type: null or boolean

Default:

```
null
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/chromium.nix>

programs.chromium.defaultSearchProviderSearchURL
Chromium default search provider url.

Type: null or string

Default:

```
null
```

Example:

```
"https://encrypted.google.com/search?q={searchTerms}&{google:RLZ}{g \
oogle:originalQueryForSuggestion}{google:assistedQueryStats}{google \
:searchFieldtrialParameter}{google:searchClient}{google:sourceId}{g \
oogle:instantExtendedEnabledParameter}ie={inputEncoding}"
```

Declared by:
<nixpkgs/nixos/modules/programs/chromium.nix>

programs.chromium.defaultSearchProviderSuggestURL
Chromium default search provider url for suggestions.

Type: null or string

Default:

```
null
```

Example:

```
"https://encrypted.google.com/complete/search?output=chrome&q={sear \
chTerms}"
```

Declared by:
<nixpkgs/nixos/modules/programs/chromium.nix>

programs.chromium.extensions
List of chromium extensions to install. For list of plugins ids see id in url of extensions on **chrome web store** page. To install a chromium extension not included in the chrome web store, append to the extension id a semicolon ";" followed by a URL pointing to an Update Manifest XML file. See **ExtensionInstallForcelist** for additional details.

Type: null or (list of string)

Default:

```
null
```

Example:

```
[
  "chlffgpmiacpedhhbkiomidkjlcfhogd" # pushbullet
  "mbniclmhobmnbdlbpiphghaielnnpgdp" # lightshot
  "gcbommkclmclpchllfjekcdonpmejbdp" # https everywhere
  "cjpalhdlnbpafiamejdnhcphjbkeiagm" # ublock origin
]
```

Declared by:

<nixpkgs/nixos/modules/programs/chromium.nix>

programs.chromium.extraOpts

Extra chromium policy options. A list of available policies can be found in the Chrome Enterprise documentation: **https://cloud.google.com/docs/chrome−enterprise/policies/** Make sure the selected policy is supported on Linux and your browser version.

Type: attribute set

Default:

```
{ }
```

Example:

```
{
  "BrowserSignin" = 0;
  "SyncDisabled" = true;
  "PasswordManagerEnabled" = false;
  "SpellcheckEnabled" = true;
  "SpellcheckLanguage" = [
    "de"
    "en−US"
  ];
}
```

Declared by:

<nixpkgs/nixos/modules/programs/chromium.nix>

programs.chromium.homepageLocation

Chromium default homepage

Type: null or string

Default:

```
null
```

Example:

```
"https://nixos.org"
```

Declared by:

<nixpkgs/nixos/modules/programs/chromium.nix>

programs.chromium.initialPrefs

Initial preferences are used to configure the browser for the first run. Unlike **programs.chromium.extraOpts**, initialPrefs can be changed by users in the browser settings. More information can be found in the Chromium documentation: **https://www.chromium.org/administrators/configuring−other−preferences/**

Type: attribute set

Default:

```
{ }
```

Example:

```
{
  "first_run_tabs" = [
    "https://nixos.org/"
  ];
}
```

Declared by:
<nixpkgs/nixos/modules/programs/chromium.nix>

programs.chromium.plasmaBrowserIntegrationPackage
The plasma−browser−integration package to use.

Type: package

Default:

```
pkgs.kdePackages.plasma-browser-integration
```

Declared by:
<nixpkgs/nixos/modules/programs/chromium.nix>

programs.chrysalis.enable
Whether to enable Chrysalis.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/chrysalis.nix>

programs.chrysalis.package
The Chrysalis package to use.

Type: package

Default:

```
pkgs.chrysalis
```

Declared by:
<nixpkgs/nixos/modules/programs/chrysalis.nix>

programs.clash−verge.enable
Whether to enable Clash Verge.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/clash−verge.nix>

programs.clash−verge.package
The clash−verge package to use. Available options are clash−verge−rev and clash−nyanpasu, both are forks of the original clash−verge project.

Type: package

Default:

```
pkgs.clash-verge-rev
```

Declared by:
<nixpkgs/nixos/modules/programs/clash−verge.nix>

programs.clash−verge.autoStart
Whether to enable Clash Verge auto launch.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/clash−verge.nix>

programs.clash−verge.group
The group to grant access to clash−verge−rev's service socket.

For better security, you should set a group that only contains users who need to access clash−verge−rev's service socket.

Type: string

Default:

```
"users"
```

Example:

```
"wheel"
```

Declared by:
<nixpkgs/nixos/modules/programs/clash−verge.nix>

programs.clash−verge.serviceMode
Whether to enable Service Mode.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/clash−verge.nix>

programs.clash−verge.tunMode

Whether to enable Setcap for TUN Mode. DNS settings won't work on this way.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/clash−verge.nix>

programs.cnping.enable

Whether to enable a setcap wrapper for cnping.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/cnping.nix>

programs.command−not−found.enable

Whether interactive shells should show which Nix package (if any) provides a missing command.

See also nix−index and nix−index−database as an alternative for flakes−based systems.

Additionally, having the env var NIX_AUTO_RUN set will automatically run the matching package, and with NIX_AUTO_RUN_INTERACTIVE it will confirm the package before running.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/programs/command−not−found/command−not−found.nix>

programs.command−not−found.dbPath

Absolute path to 'programs.sqlite', which contains mappings from binary names to package names.

If a nixpkgs tarball from https://channels.nixos.org is used as the source of nixpkgs, this file will be provided and this option be set by default.

To use the stateful 'programs.sqlite' database, set this option to '/nix/var/nix/profiles/per−user/root/channels/nixos/programs.sqlite'. If you do so, you can update it with 'sudo nix−channels −−update'.

Type: absolute path

Declared by:

<nixpkgs/nixos/modules/programs/command−not−found/command−not−found.nix>

programs.coolercontrol.enable

Whether to enable CoolerControl GUI & its background services.

Type: boolean

Default:

`false`

Example:

`true`

Declared by:
<nixpkgs/nixos/modules/programs/coolercontrol.nix>

programs.corectrl.enable
Whether to enable CoreCtrl, a tool to overclock amd graphics cards and processors. Add your user to the corectrl group to run corectrl without needing to enter your password .

Type: boolean

Default:

`false`

Example:

`true`

Declared by:
<nixpkgs/nixos/modules/hardware/corectrl.nix>

programs.corectrl.package
The corectrl package to use. Useful for overriding the configuration options used for the package.

Type: package

Default:

`pkgs.corectrl`

Declared by:
<nixpkgs/nixos/modules/hardware/corectrl.nix>

programs.corefreq.enable
Whether to enable Whether to enable the corefreq daemon and kernel module.

Type: boolean

Default:

`false`

Example:

`true`

Declared by:
<nixpkgs/nixos/modules/programs/corefreq.nix>

programs.corefreq.package
The corefreq package to use.

Type: package

Default:

`config.boot.kernelPackages.corefreq`

Declared by:
<nixpkgs/nixos/modules/programs/corefreq.nix>

programs.cpu−energy−meter.enable
Whether to enable CPU Energy Meter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/cpu−energy−meter.nix>

programs.cpu−energy−meter.package
The cpu−energy−meter package to use.

Type: package

Default:

```
pkgs.cpu−energy−meter
```

Declared by:
<nixpkgs/nixos/modules/programs/cpu−energy−meter.nix>

programs.criu.enable
Install **criu** along with necessary kernel options.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/criu.nix>

programs.dconf.enable
Whether to enable dconf.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/dconf.nix>

programs.dconf.packages
A list of packages which provide dconf profiles and databases in */etc/dconf*.

Type: list of package

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/programs/dconf.nix>

programs.dconf.profiles

Attrset of dconf profiles. By default the ‘user’ profile is used which ends up in ‘/etc/dconf/profile/user’.

Type: attribute set of (absolute path or package or (submodule))

Default:

```
{ }
```

Example:

```
{
  # A "user" profile with a database
  user.databases = [
    {
      settings = { };
    }
  ];
  # A "bar" profile from a package
  bar = pkgs.bar-dconf-profile;
  # A "foo" profile from a path
  foo = ${./foo}
};
```

Declared by:

<nixpkgs/nixos/modules/programs/dconf.nix>

programs.digitalbitbox.enable

Installs the Digital Bitbox application and enables the complementary hardware module.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/programs/digitalbitbox/default.nix>

programs.digitalbitbox.package

The digitalbitbox package to use. This can be used to install a package with udev rules that differ from the defaults.

Type: package

Default:

```
pkgs.digitalbitbox
```

Declared by:

<nixpkgs/nixos/modules/programs/digitalbitbox/default.nix>

programs.direnv.enable

Whether to enable direnv integration. Takes care of both installation and setting up the sourcing of the shell. Additionally enables nix−direnv integration. Note that you need to logout and login for this change to apply .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/direnv.nix>

programs.direnv.enableBashIntegration
Whether to enable Bash integration .

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/direnv.nix>

programs.direnv.enableFishIntegration
Whether to enable Fish integration .

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/direnv.nix>

programs.direnv.enableXonshIntegration
Whether to enable Xonsh integration .

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/direnv.nix>

programs.direnv.enableZshIntegration
Whether to enable Zsh integration .

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/direnv.nix>

programs.direnv.package

The direnv package to use.

Type: package

Default:

```
pkgs.direnv
```

Declared by:

<nixpkgs/nixos/modules/programs/direnv.nix>

programs.direnv.angrr.enable

Whether to enable angrr direnv integration.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/angrr.nix>

programs.direnv.angrr.autoUse

Whether to automatically use angrr before loading .envrc.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/angrr.nix>

programs.direnv.direnvrcExtra

Extra lines to append to the sourced direnvrc

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
export FOO="foo"
echo "loaded direnv!"
```

Declared by:

<nixpkgs/nixos/modules/programs/direnv.nix>

programs.direnv.loadInNixShell

Whether to enable loading direnv in ‘nix−shell’ ‘nix shell’ or ‘nix develop’ .

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/direnv.nix>

programs.direnv.nix−direnv.enable
Whether to enable a faster, persistent implementation of use_nix and use_flake, to replace the builtin one .

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/direnv.nix>

programs.direnv.nix−direnv.package
The nix−direnv package to use

Type: package

Default:

```
"pkgs.nix-direnv"
```

Declared by:
<nixpkgs/nixos/modules/programs/direnv.nix>

programs.direnv.settings
Direnv configuration. Refer to **direnv.toml**(1).

Type: TOML value

Default:

```
{ }
```

Example:

```
{
  global = {
    log_format = "-";
    log_filter = "^$";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/programs/direnv.nix>

programs.direnv.silent
Whether to enable the hiding of direnv logging .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/direnv.nix>

programs.dmrconfig.enable
Whether to configure system to enable use of dmrconfig. This enables the required udev rules and installs the program.

Type: boolean

Default:

```
false
```

Related packages:

- 'pkgs.dmrconfig'

Declared by:
<nixpkgs/nixos/modules/programs/dmrconfig.nix>

programs.dmrconfig.package
The dmrconfig package to use.

Type: package

Default:

```
pkgs.dmrconfig
```

Declared by:
<nixpkgs/nixos/modules/programs/dmrconfig.nix>

programs.dms−shell.enable
Whether to enable DankMaterialShell, a complete desktop shell for Wayland compositors.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/dms−shell.nix>

programs.dms−shell.enableAudioWavelength
Whether to install dependencies required for audio wavelength visualization. This enables audio spectrum and waveform visualizer widgets.

Requires: cava

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/dms−shell.nix>

programs.dms−shell.enableCalendarEvents
Whether to install dependencies required for calendar events support. This enables calendar widgets that display events and reminders via khal.

Requires: khal

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/dms-shell.nix>

programs.dms-shell.enableClipboardPaste
Whether to install dependencies required for pasting directly from the clipboard history support. This enables pressing Shift+Return for pasting entries from the clipboard history.

Requires: wtype

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/dms-shell.nix>

programs.dms-shell.enableDynamicTheming
Whether to install dependencies required for dynamic theming support. This enables automatic theme generation based on wallpapers and other sources.

Requires: matugen

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/dms-shell.nix>

programs.dms-shell.enableSystemMonitoring
Whether to install dependencies required for system monitoring widgets. This includes process list viewers and system resource monitors.

Requires: dgop

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/dms-shell.nix>

programs.dms-shell.enableVPN
Whether to install dependencies required for VPN widgets. This enables VPN status monitoring and management through NetworkManager.

Requires: glib, networkmanager

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/dms-shell.nix>

programs.dms−shell.package

The dms−shell package to use.

Type: package

Default:

```
pkgs.dms-shell
```

Declared by:

<nixpkgs/nixos/modules/programs/wayland/dms−shell.nix>

programs.dms−shell.plugins

DMS Plugins to install and enable

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  DockerManager = {
    src = pkgs.fetchFromGitHub {
      owner = "LuckShiba";
      repo = "DmsDockerManager";
      rev = "v1.2.0";
      sha256 = "sha256-VoJCaygWnKpv0s0pqTOmzZnPM922qPDMHk4EPcgVnaU \
="";
    };
  };
  AnotherPlugin = {
    enable = true;
    src = pkgs.another-plugin;
  };
}
```

Declared by:

<nixpkgs/nixos/modules/programs/wayland/dms−shell.nix>

programs.dms−shell.plugins.<name>.enable

Whether to enable this plugin

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/wayland/dms−shell.nix>

programs.dms−shell.plugins.<name>.src

Source of the plugin package or path

Type: package or absolute path

Declared by:

<nixpkgs/nixos/modules/programs/wayland/dms−shell.nix>

programs.dms−shell.quickshell.package
The quickshell package to use.

Type: package

Default:

```
pkgs.quickshell
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/dms−shell.nix>

programs.dms−shell.systemd.enable
Whether to enable DankMaterialShell systemd startup service.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/dms−shell.nix>

programs.dms−shell.systemd.restartIfChanged
Whether to restart the dms.service when the DankMaterialShell package or configuration changes. This ensures the latest version is always running after a system rebuild.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/dms−shell.nix>

programs.dms−shell.systemd.target
The systemd target that will automatically start the DankMaterialShell service.

Common targets include:

- ‘graphical−session.target’ for most desktop environments
- ‘wayland−session.target’ for Wayland−specific sessions

Type: string

Default:

```
"graphical-session.target"
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/dms−shell.nix>

programs.droidcam.enable
Whether to enable DroidCam client.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/droidcam.nix>

programs.dsearch.enable
Whether to enable dsearch, a fast filesystem search service with fuzzy matching.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/dsearch.nix>

programs.dsearch.package
The dsearch package to use.

Type: package

Default:

```
pkgs.dsearch
```

Declared by:
<nixpkgs/nixos/modules/programs/dsearch.nix>

programs.dsearch.systemd.enable
Whether to enable systemd user service for dsearch.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/dsearch.nix>

programs.dsearch.systemd.target
The systemd target that will automatically start the dsearch service.

By default, dsearch starts with the user session (‘default.target’). You can change this to ‘graphical−session.target’ if you only want it to run in graphical sessions.

Type: string

Default:

```
"default.target"
```

Declared by:
<nixpkgs/nixos/modules/programs/dsearch.nix>

programs.dublin−traceroute.enable
Whether to enable dublin−traceroute (including setcap wrapper).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/dublin−traceroute.nix>

programs.dublin−traceroute.package
The dublin−traceroute package to use.

Type: package

Default:

```
pkgs.dublin−traceroute
```

Declared by:
<nixpkgs/nixos/modules/programs/dublin−traceroute.nix>

programs.dwl.enable
Whether to enable Dwl is a compact, hackable compositor for Wayland based on wlroots. You can manually launch Dwl by executing “exec dwl” on a TTY. .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/dwl.nix>

programs.dwl.package
The dwl package to use.

Type: package

Default:

```
pkgs.dwl
```

Example:

```
# Lets apply bar patch from:
# https://codeberg.org/dwl/dwl−patches/src/branch/main/patches/bar
(pkgs.dwl.override {
  configH = ./dwl−config.h;
}).overrideAttrs (oldAttrs: {
  buildInputs =
    oldAttrs.buildInputs or []
    ++ [
      pkgs.libdrm
      pkgs.fcft
    ];
  patches = oldAttrs.patches or [] ++ [
    ./bar−0.7.patch
  ];
});
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/dwl.nix>

programs.dwl.extraSessionCommands
Shell commands executed just before dwl is started.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/dwl.nix>

programs.ente−auth.enable
Whether to enable Ente Auth.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/ente−auth.nix>

programs.ente−auth.package
The ente−auth package to use.

Type: package

Default:

```
pkgs.ente−auth
```

Declared by:
<nixpkgs/nixos/modules/programs/ente−auth.nix>

programs.envision.enable
Whether to enable envision.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/envision.nix>

programs.envision.package
The envision package to use.

Type: package

Default:

```
pkgs.envision
```

Declared by:
<nixpkgs/nixos/modules/programs/envision.nix>

programs.envision.openFirewall
Whether to enable the default ports in the firewall for the WiVRn server.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/envision.nix>

programs.evince.enable
Whether to enable Evince, the GNOME document viewer.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/evince.nix>

programs.evince.package
The evince package to use.

Type: package

Default:

```
pkgs.evince
```

Declared by:
<nixpkgs/nixos/modules/programs/evince.nix>

programs.evolution.enable
Whether to enable Evolution, a Personal information management application that provides integrated mail, calendaring and address book functionality.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/gnome/evolution−data−server.nix>

programs.evolution.plugins
Plugins for Evolution.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.evolution-ews ]
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/gnome/evolution-data-server.nix>

programs.extra-container.enable
Whether to enable extra-container, a tool for running declarative NixOS containers without host system rebuilds .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/extra-container.nix>

programs.fcast-receiver.enable
Whether to enable FCast Receiver.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/fcast-receiver.nix>

programs.fcast-receiver.package
The fcast-receiver package to use.

Type: package

Default:

```
pkgs.fcast-receiver
```

Declared by:
<nixpkgs/nixos/modules/programs/fcast-receiver.nix>

programs.fcast-receiver.openFirewall
Open ports needed for the functionality of the program.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/fcast−receiver.nix>

programs.feedbackd.enable
Whether to enable the feedbackd D−BUS service and udev rules.

Your user needs to be in the ‘feedbackd’ group to trigger effects .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/feedbackd.nix>

programs.feedbackd.package
The feedbackd package to use.

Type: package

Default:

```
pkgs.feedbackd
```

Declared by:
<nixpkgs/nixos/modules/programs/feedbackd.nix>

programs.feedbackd.theme−package
The feedbackd−device−themes package to use.

Type: null or package

Default:

```
pkgs.feedbackd-device-themes
```

Declared by:
<nixpkgs/nixos/modules/programs/feedbackd.nix>

programs.firefox.enable
Whether to enable the Firefox web browser.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/firefox.nix>

programs.firefox.package
Firefox package to use.

Type: package

Default:

```
pkgs.firefox
```

Related packages:

- ‘pkgs.firefox’
- ‘pkgs.firefox−bin’
- ‘pkgs.firefox−esr’

Declared by:

<nixpkgs/nixos/modules/programs/firefox.nix>

programs.firefox.autoConfig

AutoConfig files can be used to set and lock preferences that are not covered by the policies.json for Mac and Linux. This method can be used to automatically change user preferences or prevent the end user from modifying specific preferences by locking them. More info can be found in **https://support.mozilla.org/en−US/kb/customizing−firefox−using−autoconfig**.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/programs/firefox.nix>

programs.firefox.autoConfigFiles

AutoConfig files can be used to set and lock preferences that are not covered by the policies.json for Mac and Linux. This method can be used to automatically change user preferences or prevent the end user from modifying specific preferences by locking them. More info can be found in **https://support.mozilla.org/en−US/kb/customizing−firefox−using−autoconfig**.

Files are concatenated and autoConfig is appended.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/programs/firefox.nix>

programs.firefox.languagePacks

The language packs to install.

Type: list of (one of “ach”, “af”, “an”, “ar”, “ast”, “az”, “be”, “bg”, “bn”, “br”, “bs”, “ca−valencia”, “ca”, “cak”, “cs”, “cy”, “da”, “de”, “dsb”, “el”, “en−CA”, “en−GB”, “en−US”, “eo”, “es−AR”, “es−CL”, “es−ES”, “es−MX”, “et”, “eu”, “fa”, “ff”, “fi”, “fr”, “fur”, “fy−NL”, “ga−IE”, “gd”, “gl”, “gn”, “gu−IN”, “he”, “hi−IN”, “hr”, “hsb”, “hu”, “hy−AM”, “ia”, “id”, “is”, “it”, “ja”, “ka”, “kab”, “kk”, “km”, “kn”, “ko”, “lij”, “lt”, “lv”, “mk”, “mr”, “ms”, “my”, “nb−NO”, “ne−NP”, “nl”, “nn−NO”, “oc”, “pa−IN”, “pl”, “pt−BR”, “pt−PT”, “rm”, “ro”, “ru”, “sat”, “sc”, “sco”, “si”, “sk”, “skr”, “sl”, “son”, “sq”, “sr”, “sv−SE”, “szl”, “ta”, “te”, “tg”, “th”, “tl”, “tr”, “trs”, “uk”, “ur”, “uz”, “vi”, “xh”, “zh−CN”, “zh−TW”)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/programs/firefox.nix>

programs.firefox.nativeMessagingHosts.packages

Additional packages containing native messaging hosts that should be made available to Firefox extensions.

Type: list of package

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/programs/firefox.nix>

programs.firefox.policies
Group policies to install.

See **Mozilla's documentation** for a list of available options.

This can be used to install extensions declaratively! Check out the documentation of the 'ExtensionSettings' policy for details.

When this option is in use, Firefox will inform you that "your browser is managed by your organisation". That message appears because NixOS installs what you have declared here such that it cannot be overridden through the user interface. It does not mean that someone else has been given control of your browser, unless of course they also control your NixOS configuration.

Type: JSON value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/programs/firefox.nix>

programs.firefox.preferences
Preferences to set from 'about:config'.

Some of these might be able to be configured more ergonomically using policies.

See **here** for allowed preferences.

When this option is in use, Firefox will inform you that "your browser is managed by your organisation". That message appears because NixOS installs what you have declared here such that it cannot be overridden through the user interface. It does not mean that someone else has been given control of your browser, unless of course they also control your NixOS configuration.

Type: attribute set of (boolean or signed integer or string)

Default:

```
{ }
```

Example:

```
{
  "browser.tabs.tabmanager.enabled" = false;
}
```

Declared by:
<nixpkgs/nixos/modules/programs/firefox.nix>

programs.firefox.preferencesStatus
The status of 'firefox.preferences'.

'status' can assume the following values:

- '"default"': Preferences appear as default.
- '"locked"': Preferences appear as default and can't be changed.
- '"user"': Preferences appear as changed.
- '"clear"': Value has no effect. Resets to factory defaults on each startup.

Type: one of "default", "locked", "user", "clear"

Default:

```
"locked"
```

Declared by:
<nixpkgs/nixos/modules/programs/firefox.nix>

programs.firefox.wrapperConfig
Arguments to pass to Firefox wrapper

Type: attribute set

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/programs/firefox.nix>

programs.firejail.enable
Whether to enable firejail, a sandboxing tool for Linux.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/firejail.nix>

programs.firejail.wrappedBinaries
Wrap the binaries in firejail and place them in the global path.

Type: attribute set of (absolute path or (submodule))

Default:

```
{ }
```

Example:

```
{
  firefox = {
    executable = "${lib.getBin pkgs.firefox}/bin/firefox";
    profile = "${pkgs.firejail}/etc/firejail/firefox.profile";
  };
  mpv = {
    executable = "${lib.getBin pkgs.mpv}/bin/mpv";
    profile = "${pkgs.firejail}/etc/firejail/mpv.profile";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/programs/firejail.nix>

programs.fish.enable
Whether to configure fish as an interactive shell.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/fish.nix>

programs.fish.package
The fish package to use.

Type: package

Default:

```
pkgs.fish
```

Declared by:
<nixpkgs/nixos/modules/programs/fish.nix>

programs.fish.extraCompletionPackages
Additional packages to generate completions from, if **programs.fish.generateCompletions** is enabled.

Type: list of package

Default:

```
[ ]
```

Example:

```
config.users.users.alice.packages
```

Declared by:
<nixpkgs/nixos/modules/programs/fish.nix>

programs.fish.generateCompletions
Whether to enable generating completion files from man pages.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/fish.nix>

programs.fish.interactiveShellInit
Shell script code called during interactive fish shell initialisation.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/programs/fish.nix>

programs.fish.loginShellInit
Shell script code called during fish login shell initialisation.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/programs/fish.nix>

programs.fish.promptInit
Shell script code used to initialise fish prompt.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/programs/fish.nix>

programs.fish.shellAbbrs
Set of fish abbreviations.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  gco = "git checkout";
  npu = "nix-prefetch-url";
}
```

Declared by:
<nixpkgs/nixos/modules/programs/fish.nix>

programs.fish.shellAliases
Set of aliases for fish shell, which overrides **environment.shellAliases**. See **environment.shellAliases** for an option format description.

Type: attribute set of (null or string or absolute path)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/programs/fish.nix>

programs.fish.shellInit
Shell script code called during fish shell initialisation.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/programs/fish.nix>

programs.fish.useBabelfish
If enabled, the configured environment will be translated to native fish using **babelfish**. Otherwise, **foreign-env** will be used.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/fish.nix>

programs.fish.vendor.completions.enable
Whether fish should use completion files provided by other packages.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/fish.nix>

programs.fish.vendor.config.enable
Whether fish should source configuration snippets provided by other packages.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/fish.nix>

programs.fish.vendor.functions.enable
Whether fish should autoload fish functions provided by other packages.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/fish.nix>

programs.flashprog.enable
Whether to enable configuring flashprog udev rules and installing flashprog as system package .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/flashprog.nix>

programs.flashprog.package
The flashprog package to use.

Type: package

Default:

```
pkgs.flashprog
```

Declared by:
<nixpkgs/nixos/modules/programs/flashprog.nix>

programs.flashrom.enable

Installs flashrom and configures udev rules for programmers used by flashrom. Grants access to users in the “flashrom” group.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/programs/flashrom.nix>

programs.flashrom.package

The flashrom package to use.

Type: package

Default:

```
pkgs.flashrom
```

Declared by:

<nixpkgs/nixos/modules/programs/flashrom.nix>

programs.flexoptix−app.enable

Whether to enable FLEXOPTIX app + udev rules.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/flexoptix−app.nix>

programs.flexoptix−app.package

The flexoptix−app package to use.

Type: package

Default:

```
pkgs.flexoptix−app
```

Declared by:

<nixpkgs/nixos/modules/programs/flexoptix−app.nix>

programs.foot.enable

Whether to enable foot terminal emulator.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/foot>

programs.foot.enableBashIntegration
Whether to enable foot bash integration.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/foot>

programs.foot.enableFishIntegration
Whether to enable foot fish integration.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/foot>

programs.foot.enableZshIntegration
Whether to enable foot zsh integration.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/foot>

programs.foot.package
The foot package to use.

Type: package

Default:

```
pkgs.foot
```

Declared by:
<nixpkgs/nixos/modules/programs/foot>

programs.foot.settings
Configuration for foot terminal emulator. Further information can be found in **man 5 foot.ini**.

Global configuration has to be written under the [main] section.

Type: attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string) or a list of them for duplicate keys)

Default:

```
{ }
```

Example:

```
{
  main = {
    font = "FreeMono:size=12";
  };
  scrollback = {
    lines = 100000;
  };
}
```

Declared by:
<nixpkgs/nixos/modules/programs/foot>

programs.foot.theme
Theme name. Check **https://codeberg.org/dnkl/foot/src/branch/master/themes** for available themes.

Type: null or string

Default:

```
null
```

Example:

```
"aeroroot"
```

Declared by:
<nixpkgs/nixos/modules/programs/foot>

programs.foot.xdg.serverAutostart
Whether to enable starting the foot server via xdg−autostart.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/foot>

programs.fuse.enable
Whether to enable fuse.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/fuse.nix>

programs.fuse.mountMax

Set the maximum number of FUSE mounts allowed to non−root users.

Type: integer between 0 and 32767 (both inclusive)

Default:

```
1000
```

Declared by:

<nixpkgs/nixos/modules/programs/fuse.nix>

programs.fuse.userAllowOther

Allow non−root users to specify the allow_other or allow_root mount options, see mount.fuse3(8).

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/programs/fuse.nix>

programs.fzf.fuzzyCompletion

Whether to enable fuzzy completion with fzf.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/fzf.nix>

programs.fzf.keybindings

Whether to enable fzf keybindings.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/fzf.nix>

programs.gamemode.enable

Whether to enable GameMode to optimise system performance on demand.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/gamemode.nix>

programs.gamemode.enableRenice
Whether to enable CAP_SYS_NICE on gamemoded to support lowering process niceness.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/gamemode.nix>

programs.gamemode.settings
System−wide configuration for GameMode (/etc/gamemode.ini). See **gamemoded**(8) man page for available settings.

Type: attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string) or a list of them for duplicate keys)

Default:

```
{ }
```

Example:

```
{
  general = {
    renice = 10;
  };
  # Warning: GPU optimisations have the potential to damage hardwar \
e
  gpu = {
    apply_gpu_optimisations = "accept−responsibility";
    gpu_device = 0;
    amd_performance_level = "high";
  };
  custom = {
    start = "${pkgs.libnotify}/bin/notify−send 'GameMode started'" \
;
    end = "${pkgs.libnotify}/bin/notify−send 'GameMode ended'";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/programs/gamemode.nix>

programs.gamescope.enable
Whether to enable gamescope, the SteamOS session compositing window manager.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/gamescope.nix>

programs.gamescope.package
The gamescope package to use.

Type: package

Default:

```
pkgs.gamescope
```

Declared by:
<nixpkgs/nixos/modules/programs/gamescope.nix>

programs.gamescope.args
Arguments passed to GameScope on startup.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--rt"
  "--prefer-vk-device 8086:9bc4"
]
```

Declared by:
<nixpkgs/nixos/modules/programs/gamescope.nix>

programs.gamescope.capSysNice
Add cap_sys_nice capability to the GameScope binary so that it may renice itself.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/gamescope.nix>

programs.gamescope.env
Default environment variables available to the GameScope process, overridable at runtime.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
# for Prime render offload on Nvidia laptops.
# Also requires ‘hardware.nvidia.prime.offload.enable‘.
{
  __NV_PRIME_RENDER_OFFLOAD = "1";
  __VK_LAYER_NV_optimus = "NVIDIA_only";
  __GLX_VENDOR_LIBRARY_NAME = "nvidia";
}
```

Declared by:
<nixpkgs/nixos/modules/programs/gamescope.nix>

programs.gdk−pixbuf.modulePackages
Packages providing GDK−Pixbuf modules, for cache generation.

Type: list of package

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/programs/gdk−pixbuf.nix>

programs.geary.enable
Whether to enable Geary, a Mail client for GNOME.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/geary.nix>

programs.ghidra.enable
Whether to enable Ghidra, a software reverse engineering (SRE) suite of tools.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/ghidra.nix>

programs.ghidra.package
The ghidra package to use.

Type: package

Default:

```
pkgs.ghidra
```

Example:

```
ghidra−bin
```

Declared by:
<nixpkgs/nixos/modules/programs/ghidra.nix>

programs.ghidra.gdb
Whether to add to gdbinit the python modules required to make Ghidra’s debugger work.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/ghidra.nix>

programs.git.enable
Whether to enable git, a distributed version control system.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/git.nix>

programs.git.package
The git package to use.

Type: package

Default:

```
pkgs.git
```

Example:

```
gitFull
```

Declared by:
<nixpkgs/nixos/modules/programs/git.nix>

programs.git.attributes
Assign git attributes to files (one pattern per line):

```
PATTERN1 ATTR1 ATTR2 ...
```

Blank lines and lines beginning with # are ignored. See **gitattributes**(5) for more information.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
"*.pdf diff=pdf"
```

Declared by:
<nixpkgs/nixos/modules/programs/git.nix>

programs.git.config
Configuration to write to /etc/gitconfig. A list can also be specified to keep the configuration in order. For example, setting ‘config’ to ‘[{ foo.x = 42; } { bar.y = 42; }]’ will put the ‘foo’ section before the ‘bar’ section unlike the default alphabetical order, which can be helpful for sections such as ‘include’ and ‘includeIf’. See the CONFIGURATION FILE section of **git−config**(1) for more information.

Type: (attribute set of attribute set of anything) or list of attribute set of attribute set of anything

Default:

```
[ ]
```

Example:

```
{
```

```
    init = {
      defaultBranch = "main";
    };
    url = {
      "https://github.com/" = {
        insteadOf = [
          "gh:"
          "github:"
        ];
      };
    };
  }
```

Declared by:
<nixpkgs/nixos/modules/programs/git.nix>

programs.git.lfs.enable
Whether to enable git−lfs (Large File Storage).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/git.nix>

programs.git.lfs.enablePureSSHTransfer
Whether to enable Enable pure SSH transfer in server side by adding git−lfs−transfer to environment.systemPackages.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/git.nix>

programs.git.lfs.package
The git−lfs package to use.

Type: package

Default:

```
pkgs.git-lfs
```

Declared by:
<nixpkgs/nixos/modules/programs/git.nix>

programs.git.prompt.enable

Whether to enable automatically sourcing git−prompt.sh. This does not change $PS1; it simply provides relevant utility functions.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/git.nix>

programs.git−worktree−switcher.enable

Whether to enable git−worktree−switcher, switch between git worktrees with speed…

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/git−worktree−switcher.nix>

programs.git−worktree−switcher.package

The git−worktree−switcher package to use.

Type: package

Default:

```
pkgs.git-worktree-switcher
```

Declared by:

<nixpkgs/nixos/modules/programs/git−worktree−switcher.nix>

programs.gnome−disks.enable

Whether to enable GNOME Disks daemon, a program designed to be a UDisks2 graphical front−end.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/programs/gnome−disks.nix>

programs.gnome−terminal.enable

Whether to enable GNOME Terminal.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/gnome−terminal.nix>

programs.gnupg.package
The gnupg package to use.

Type: package

Default:

```
pkgs.gnupg
```

Declared by:
<nixpkgs/nixos/modules/programs/gnupg.nix>

programs.gnupg.agent.enable
Enables GnuPG agent with socket−activation for every user session.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/gnupg.nix>

programs.gnupg.agent.enableBrowserSocket
Enable browser socket for GnuPG agent.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/gnupg.nix>

programs.gnupg.agent.enableExtraSocket
Enable extra socket for GnuPG agent.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/gnupg.nix>

programs.gnupg.agent.enableSSHSupport
Enable SSH agent support in GnuPG agent. Also sets SSH_AUTH_SOCK environment variable correctly. This will disable socket−activation and thus always start a GnuPG agent per user session.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/gnupg.nix>

programs.gnupg.agent.pinentryPackage

Which pinentry package to use. The path to the mainProgram as defined in the package's meta attributes will be set in /etc/gnupg/gpg−agent.conf. If not set by the user, it'll pick an appropriate flavor depending on the system configuration (qt flavor for lxqt and plasma, gtk2 for xfce, gnome3 on all other systems with X enabled, curses otherwise).

Type: null or package

Default: matching the configured desktop environment or pkgs.pinentry−curses

Example: pkgs.pinentry−gnome3

Declared by:
<nixpkgs/nixos/modules/programs/gnupg.nix>

programs.gnupg.agent.settings

Configuration for /etc/gnupg/gpg−agent.conf. See **gpg−agent**(1) for supported options.

Type: attribute set of (atom (null, bool, int, float or string))

Default:

```
{ }
```

Example:

```
{
  default-cache-ttl = 600;
}
```

Declared by:
<nixpkgs/nixos/modules/programs/gnupg.nix>

programs.gnupg.dirmngr.enable

Enables GnuPG network certificate management daemon with socket−activation for every user session.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/gnupg.nix>

programs.gpaste.enable

Whether to enable GPaste, a clipboard manager.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/gpaste.nix>

programs.gphoto2.enable

Whether to configure system to use gphoto2. To grant digital camera access to a user, the user must be part of the camera group: 'users.users.alice.extraGroups = ["camera"];'

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/gphoto2.nix>

programs.gpu−screen−recorder.enable
Whether to install gpu−screen−recorder and generate setcap wrappers for promptless recording.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/gpu−screen−recorder.nix>

programs.gpu−screen−recorder.package
The gpu−screen−recorder package to use.

Type: package

Default:

```
pkgs.gpu−screen−recorder
```

Declared by:
<nixpkgs/nixos/modules/programs/gpu−screen−recorder.nix>

programs.gtklock.enable
Whether to enable gtklock, a GTK−based lockscreen for Wayland.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/gtklock.nix>

programs.gtklock.package
The gtklock package to use.

Type: package

Default:

```
pkgs.gtklock
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/gtklock.nix>

programs.gtklock.config
Configuration for gtklock. See ‘gtklock(1)’ man page for details.

Type: attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string) or a non−empty list of them)

Default:

```
{ }
```

Example:

```
{
  main = {
    idle−hide = true;
```

```
    idle-timeout = 10;
  };
}
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/gtklock.nix>

programs.gtklock.modules
gtklock modules to load.

Type: list of package

Default:

```
[ ]
```

Example:

```
with pkgs; [
  gtklock-playerctl-module
  gtklock-powerbar-module
  gtklock-userinfo-module
]
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/gtklock.nix>

programs.gtklock.style
CSS Stylesheet for gtklock. See **gtklock's wiki** for details.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/gtklock.nix>

programs.haguichi.enable
Whether to enable Haguichi, a Linux GUI frontend to the proprietary LogMeIn Hamachi.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/haguichi.nix>

programs.hamster.enable
Whether to enable hamster, a time tracking program.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/hamster.nix>

programs.htop.enable
Whether to enable htop process monitor.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/htop.nix>

programs.htop.package
The htop package to use.

Type: package

Default:

```
pkgs.htop
```

Declared by:
<nixpkgs/nixos/modules/programs/htop.nix>

programs.htop.settings
Extra global default configuration for htop which is read on first startup only. Htop subsequently uses ~/.config/htop/htoprc as configuration source.

Type: attribute set of (string or signed integer or boolean or list of (string or signed integer or boolean))

Default:

```
{ }
```

Example:

```
{
  hide_kernel_threads = true;
  hide_userland_threads = true;
}
```

Declared by:
<nixpkgs/nixos/modules/programs/htop.nix>

programs.hyprland.enable
Whether to enable Hyprland, the dynamic tiling Wayland compositor that doesn't sacrifice on its looks. You can manually launch Hyprland by executing **start−hyprland** on a TTY. A configuration file will be generated in *~/.config/hypr/hyprland.conf*. See **https://wiki.hyprland.org** for more information.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/hyprland.nix>

programs.hyprland.package
The hyprland package to use. If the package is not overridable with 'enableXWayland', then the module option **xwayland** will have no effect.

Type: package

Default:

```
pkgs.hyprland
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/hyprland.nix>

programs.hyprland.portalPackage
The xdg-desktop-portal-hyprland package to use. If the package is not overridable with 'hyprland', then the Hyprland package used by the portal may differ from the one set in the module option **package**.

Type: package

Default:

```
pkgs.xdg-desktop-portal-hyprland
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/hyprland.nix>

programs.hyprland.systemd.setPath.enable
Set environment path of systemd to include the current system's bin directory. This is needed in Hyprland setups, where opening links in applications do not work. Enabled by default for Hyprland versions older than 0.41.2.

Type: boolean

Default:

```
lib.versionOlder cfg.package.version "0.41.2"
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/hyprland.nix>

programs.hyprland.withUWSM
Launch Hyprland with the UWSM (Universal Wayland Session Manager) session manager. This has improved systemd support and is recommended for most users. This automatically starts appropriate targets like 'graphical-session.target', and 'wayland-session@Hyprland.target'.

> **Note**
> Some changes may need to be made to Hyprland configs depending on your setup, see **Hyprland wiki**.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/hyprland.nix>

programs.hyprland.xwayland.enable
Whether to enable XWayland.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/hyprland.nix>

programs.hyprlock.enable
Whether to enable hyprlock, Hyprland's GPU−accelerated screen locking utility.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/hyprlock.nix>

programs.hyprlock.package
The hyprlock package to use.

Type: package

Default:

```
pkgs.hyprlock
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/hyprlock.nix>

programs.i3lock.enable
Whether to enable i3lock.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/i3lock.nix>

programs.i3lock.package
The i3lock package to use. ::: {.note} The i3lock package must include a i3lock file or link in its out directory in order for the u2fSupport option to work correctly. :::

Type: package

Default:

```
pkgs.i3lock
```

Example:

```
i3lock-color
```

Declared by:
<nixpkgs/nixos/modules/programs/i3lock.nix>

programs.i3lock.u2fSupport
Whether to enable U2F support in the i3lock program. U2F enables authentication using a hardware device, such as a security key. When U2F support is enabled, the i3lock program will set the setuid bit on the i3lock binary and enable the pam u2f service,

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/i3lock.nix>

programs.iay.enable
Whether to enable iay, a minimalistic shell prompt.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/iay.nix>

programs.iay.package
The iay package to use.

Type: package

Default:

```
pkgs.iay
```

Declared by:
<nixpkgs/nixos/modules/programs/iay.nix>

programs.iay.minimalPrompt
Use minimal one−liner prompt.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/iay.nix>

programs.idescriptor.enable

Whether to enable iDescriptor, a cross−platform iDevice management tool.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/idescriptor.nix>

programs.idescriptor.package

The idescriptor package to use.

Type: package

Default:

```
pkgs.idescriptor
```

Declared by:

<nixpkgs/nixos/modules/programs/idescriptor.nix>

programs.idescriptor.users

Users to be added to the idevice group.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/programs/idescriptor.nix>

programs.iftop.enable

Whether to enable iftop and setcap wrapper for it.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/iftop.nix>

programs.iio−hyprland.enable

Whether to enable iio−hyprland and iio−sensor−proxy.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/iio-hyprland.nix>

programs.iio-hyprland.package
The iio-hyprland package to use.

Type: package

Default:

```
pkgs.iio-hyprland
```

Declared by:
<nixpkgs/nixos/modules/programs/iio-hyprland.nix>

programs.immersed.enable
Whether to enable immersed.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/immersed.nix>

programs.immersed.package
The immersed package to use.

Type: package

Default:

```
pkgs.immersed
```

Declared by:
<nixpkgs/nixos/modules/programs/immersed.nix>

programs.iotop.enable
Whether to enable iotop + setcap wrapper.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/iotop.nix>

programs.iotop.package
The iotop package to use.

Type: package

Default:

```
pkgs.iotop
```

Example:

```
iotop-c
```

Declared by:
<nixpkgs/nixos/modules/programs/iotop.nix>

programs.java.enable
Install and setup the Java development kit.

Note
This adds JAVA_HOME to the global environment, by sourcing the jdk's setup−hook on shell init. It is equivalent to starting a shell through 'nix−shell −p jdk', or roughly the following system−wide configuration:

```
environment.variables.JAVA_HOME = ${pkgs.jdk.home}/lib/openjdk;
environment.systemPackages = [ pkgs.jdk ];
```

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/java.nix>

programs.java.package
The jdk package to use.

Type: package

Default:

```
pkgs.jdk
```

Example:

```
jre
```

Declared by:
<nixpkgs/nixos/modules/programs/java.nix>

programs.java.binfmt
Whether to enable binfmt to execute java jar's and classes.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/java.nix>

programs.joycond−cemuhook.enable
Whether to enable joycond−cemuhook, a program to enable support for cemuhook's UDP protocol for joycond devices.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/joycond−cemuhook.nix>

programs.k3b.enable
Whether to enable k3b, the KDE disk burning application.

Additionally to installing ‘k3b’ enabling this will add ‘setuid’ wrappers in ‘/run/wrappers/bin’ for both ‘cdrdao’ and ‘cdrecord’. On first run you must manually configure the path of ‘cdrdae’ and ‘cdrecord’ to correspond to the appropriate paths under ‘/run/wrappers/bin’ in the “Setup External Programs” menu.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/k3b.nix>

programs.k40−whisperer.enable
Whether to enable K40−Whisperer.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/k40−whisperer.nix>

programs.k40−whisperer.package
The k40−whisperer package to use.

Type: package

Default:

```
pkgs.k40−whisperer
```

Declared by:
<nixpkgs/nixos/modules/programs/k40−whisperer.nix>

programs.k40−whisperer.group
Group assigned to the device when connected.

Type: string

Default:

```
"k40"
```

Declared by:
<nixpkgs/nixos/modules/programs/k40−whisperer.nix>

programs.kbdlight.enable
Whether to enable kbdlight.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/kbdlight.nix>

programs.kclock.enable
Whether to enable KClock.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/kclock.nix>

programs.kde−pim.enable
Whether to enable KDE PIM base packages.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/kde−pim.nix>

programs.kde−pim.kmail
Whether to enable KMail.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/kde−pim.nix>

programs.kde−pim.kontact
Whether to enable Kontact.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/kde−pim.nix>

programs.kde−pim.merkuro
Whether to enable Merkuro.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/kde−pim.nix>

programs.kdeconnect.enable
Whether to enable kdeconnect.

Note that it will open the TCP and UDP port from 1714 to 1764 as they are needed for it to function properly. You can use the **package** to use ‘gnomeExtensions.gsconnect’ as an alternative implementation if you use Gnome .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/kdeconnect.nix>

programs.kdeconnect.package
The kdeconnect−kde package to use.

Type: null or package

Default:

```
pkgs.kdePackages.kdeconnect−kde
```

Example:

```
gnomeExtensions.gsconnect
```

Declared by:
<nixpkgs/nixos/modules/programs/kdeconnect.nix>

programs.kubeswitch.enable
Whether to enable kubeswitch.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/kubeswitch.nix>

programs.kubeswitch.package
The kubeswitch package to use.

Type: package

Default:

```
pkgs.kubeswitch
```

Declared by:
<nixpkgs/nixos/modules/programs/kubeswitch.nix>

programs.kubeswitch.commandName
The name of the command to use

Type: string

Default:

```
"kswitch"
```

Declared by:
<nixpkgs/nixos/modules/programs/kubeswitch.nix>

programs.labwc.enable
Whether to enable labwc.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/labwc.nix>

programs.labwc.package
The labwc package to use.

Type: package

Default:

```
pkgs.labwc
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/labwc.nix>

programs.ladybird.enable
Whether to enable the Ladybird web browser.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/ladybird.nix>

programs.lazygit.enable
Whether to enable lazygit, a simple terminal UI for git commands.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/lazygit.nix>

programs.lazygit.package
The lazygit package to use.

Type: package

Default:

```
pkgs.lazygit
```

Declared by:
<nixpkgs/nixos/modules/programs/lazygit.nix>

programs.lazygit.settings
Lazygit configuration.

See **https://github.com/jesseduffield/lazygit/blob/master/docs/Config.md** for documentation.

Type: YAML 1.1 value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/programs/lazygit.nix>

programs.less.enable
Whether to enable less, a file pager.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/less.nix>

programs.less.package
The less package to use.

Type: package

Default:

```
pkgs.less
```

Declared by:
<nixpkgs/nixos/modules/programs/less.nix>

programs.less.clearDefaultCommands
Clear all default commands. You should remember to set the quit key. Otherwise you will not be able to leave less without killing it.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/less.nix>

programs.less.commands
Defines new command keys.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  h = "noaction 5\\e(";
  l = "noaction 5\\e)";
}
```

Declared by:
<nixpkgs/nixos/modules/programs/less.nix>

programs.less.configFile
Path to lesskey configuration file.

configFile takes precedence over **commands**, **clearDefaultCommands**, **lineEditingKeys**, and **envVariables**.

Type: null or absolute path

Default:

```
null
```

Example:

```
"${pkgs.my-configs}/lesskey"
```

Declared by:
<nixpkgs/nixos/modules/programs/less.nix>

programs.less.envVariables
Defines environment variables.

Type: attribute set of string

Default:

```
{
  LESS = "-R";
}
```

Example:

```
{
  LESS = "--quit-if-one-screen";
```

```
}
```

Declared by:
<nixpkgs/nixos/modules/programs/less.nix>

programs.less.lessclose
When less closes a file opened in such a way, it will call another program, called the input postprocessor, which may perform any desired clean−up action (such as deleting the replacement file created by LESSOPEN).

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/programs/less.nix>

programs.less.lessopen
Before less opens a file, it first gives your input preprocessor a chance to modify the way the contents of the file are displayed.

Type: null or string

Default:

```
null
```

Example:

```
"|${pkgs.lesspipe}/bin/lesspipe.sh %s"
```

Declared by:
<nixpkgs/nixos/modules/programs/less.nix>

programs.less.lineEditingKeys
Defines new line−editing keys.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  e = "abort";
}
```

Declared by:
<nixpkgs/nixos/modules/programs/less.nix>

programs.liboping.enable
Whether to enable liboping.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/liboping.nix>

programs.librepods.enable
Whether to configure system to enable librepods. To grant access to a user, it must be part of librepods group: ‘users.users.alice.extraGroups = ["librepods"];’

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/librepods.nix>

programs.localsend.enable
Whether to enable localsend, an open source cross−platform alternative to AirDrop.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/localsend.nix>

programs.localsend.package
The localsend package to use.

Type: package

Default:

```
pkgs.localsend
```

Declared by:
<nixpkgs/nixos/modules/programs/localsend.nix>

programs.localsend.openFirewall
Whether to enable opening the firewall port 53317 for receiving files.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/localsend.nix>

programs.mangowc.enable
Whether to enable MangoWC, a Wayland compositor based on dwl and scenefx.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/mangowc.nix>

programs.mangowc.package
The mangowc package to use.

Type: package

Default:

```
pkgs.mangowc
```

Example:

```
pkgs.mangowc.override { enableXWayland = false; }
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/mangowc.nix>

programs.mdevctl.enable
Whether to enable Mediated Device Management.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/mdevctl.nix>

programs.mepo.enable
Whether to enable Mepo, a fast, simple and hackable OSM map viewer.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/mepo.nix>

programs.mepo.locationBackends.geoclue
Whether to enable location detection via geoclue

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/mepo.nix>

programs.mepo.locationBackends.gpsd

Whether to enable location detection via gpsd. This may require additional configuration of gpsd, see **here**

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/programs/mepo.nix>

programs.mininet.enable

Whether to enable Mininet, an emulator for rapid prototyping of Software Defined Networks.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/mininet.nix>

programs.minipro.enable

Whether to enable minipro and its udev rules. Users of the 'plugdev' group can interact with connected MiniPRO chip programmers.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/minipro.nix>

programs.minipro.package

The minipro package to use.

Type: package

Default:

```
pkgs.minipro
```

Declared by:

<nixpkgs/nixos/modules/programs/minipro.nix>

programs.miriway.enable

Whether to enable Miriway, a Mir based Wayland compositor. You can manually launch Miriway by executing "exec miriway" on a TTY, or launch it from a display manager. Copy /etc/xdg/xdg−miriway/miriway−shell.config to ~/.config/miriway−shell.config to modify the system−wide configuration on a per−user basis. See **https://github.com/Miriway/Miriway**, and "miriway −−help" for more information.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/miriway.nix>

programs.miriway.config

Miriway's config. This will be installed system−wide. The default will install the miriway package's barebones example config.

Type: strings concatenated with "\n"

Default:

```
  x11-window-title=Miriway (Mir-on-X)
  idle-timeout=600
  ctrl-alt=t:miriway-terminal # Default "terminal emulator finder \
"

  shell-component=dbus-update-activation-environment --system \
d DISPLAY WAYLAND_DISPLAY

  meta=Left:@dock-left
  meta=Right:@dock-right
  meta=Space:@toggle-maximized
  meta=Home:@workspace-begin
  meta=End:@workspace-end
  meta=Page_Up:@workspace-up
  meta=Page_Down:@workspace-down
  ctrl-alt=BackSpace:@exit
```

Example:

```
  idle-timeout=300
  ctrl-alt=t:weston-terminal
  add-wayland-extensions=all

  shell-components=dbus-update-activation-environment --syste \
md DISPLAY WAYLAND_DISPLAY

  shell-component=waybar
  shell-component=wbg Pictures/wallpaper

  shell-meta=a:synapse

  meta=Left:@dock-left
  meta=Right:@dock-right
  meta=Space:@toggle-maximized
  meta=Home:@workspace-begin
  meta=End:@workspace-end
  meta=Page_Up:@workspace-up
  meta=Page_Down:@workspace-down
  ctrl-alt=BackSpace:@exit
```

Declared by:
<nixpkgs/nixos/modules/programs/miriway.nix>

programs.mosh.enable
Whether to enable mosh.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/mosh.nix>

programs.mosh.package
The mosh package to use.

Type: package

Default:

```
pkgs.mosh
```

Declared by:
<nixpkgs/nixos/modules/programs/mosh.nix>

programs.mosh.openFirewall
Whether to automatically open the necessary ports in the firewall.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/mosh.nix>

programs.mosh.withUtempter
Whether to enable libutempter for mosh.

This is required so that mosh can write to /var/run/utmp (which can be queried with ‘who’ to display currently connected user sessions). Note, this will add a guid wrapper for the group utmp!

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/mosh.nix>

programs.mouse−actions.enable

Whether to install and set up mouse−actions and it's udev rules.

Note that only users in the "uinput" group will be able to use the package

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/mouse−actions.nix>

programs.mouse−actions.package

The mouse−actions package to use.

Type: package

Default:

```
pkgs.mouse−actions
```

Example:

```
mouse−actions−gui
```

Declared by:

<nixpkgs/nixos/modules/programs/mouse−actions.nix>

programs.mouse−actions.autorun

Whether to start a user service to run mouse−actions on startup.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/programs/mouse−actions.nix>

programs.msmtp.enable

Whether to enable msmtp − an SMTP client.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/msmtp.nix>

programs.msmtp.package

The msmtp package to use.

Type: package

Default:

```
pkgs.msmtp
```

Declared by:
<nixpkgs/nixos/modules/programs/msmtp.nix>

programs.msmtp.accounts
Named accounts and their respective configurations. The special name “default” allows a default account to be defined. See **msmtp**(1) for the available options.

Use ‘programs.msmtp.extraConfig’ instead of this attribute set−based option if ordered account inheritance is needed.

It is advised to use the ‘passwordeval’ setting to read the password from a secret file to avoid having it written in the world−readable nix store. The password file must end with a newline (‘\n’).

Type: attribute set of (attribute set)

Default:

```
{ }
```

Example:

```
{
  default = {
    auth = true;
    host = "smtp.example";
    passwordeval = "cat /secrets/password.txt";
    user = "someone";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/programs/msmtp.nix>

programs.msmtp.defaults
Default values applied to all accounts. See **msmtp**(1) for the available options.

Type: attribute set

Default:

```
{ }
```

Example:

```
{
  aliases = "/etc/aliases";
  port = 587;
  tls = true;
}
```

Declared by:
<nixpkgs/nixos/modules/programs/msmtp.nix>

programs.msmtp.extraConfig
Extra lines to add to the msmtp configuration verbatim. See **msmtp**(1) for the syntax and available options.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/programs/msmtp.nix>

programs.msmtp.setSendmail
Whether to set the system sendmail to msmtp's.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/msmtp.nix>

programs.mtr.enable
Whether to add mtr to the global environment and configure a setcap wrapper for it.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/mtr.nix>

programs.mtr.package
The mtr package to use.

Type: package

Default:

```
pkgs.mtr
```

Declared by:
<nixpkgs/nixos/modules/programs/mtr.nix>

programs.nano.enable
Whether to enable nano, a small user−friendly console text editor.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/nano.nix>

programs.nano.package
The nano package to use.

Type: package

Default:

```
pkgs.nano
```

Declared by:
<nixpkgs/nixos/modules/programs/nano.nix>

programs.nano.nanorc

The system−wide nano configuration. See **nanorc**(5).

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
set nowrap
set tabstospaces
set tabsize 2
```

Declared by:

<nixpkgs/nixos/modules/programs/nano.nix>

programs.nano.syntaxHighlight

Whether to enable syntax highlight for various languages.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/nano.nix>

programs.nautilus−open−any−terminal.enable

Whether to enable nautilus−open−any−terminal.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/nautilus−open−any−terminal.nix>

programs.nautilus−open−any−terminal.terminal

The terminal emulator to add to context−entry of nautilus. Supported terminal emulators are listed in **https://github.com/Stunkymonkey/nautilus−open−any−terminal#supported−terminal−emulators**.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/programs/nautilus−open−any−terminal.nix>

programs.nbd.enable

Whether to enable Network Block Device (nbd) support.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/nbd.nix>

programs.neovim.enable
Whether to enable Neovim.

When enabled through this option, Neovim is wrapped to use a configuration managed by this module. The configuration file in the user's home directory at *~/.config/nvim/init.vim* is no longer loaded by default.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/neovim.nix>

programs.neovim.package
The neovim−unwrapped package to use.

Type: package

Default:

```
pkgs.neovim-unwrapped
```

Declared by:
<nixpkgs/nixos/modules/programs/neovim.nix>

programs.neovim.configure
Generate your init file from your list of plugins and custom commands. Neovim will then be wrapped to load **nvim −u /nix/store/«hash»−vimrc**

Type: attribute set

Default:

```
{ }
```

Example:

```
{
  customRC = ''
    " here your custom VimScript configuration goes!
  '';
  customLuaRC = ''
    -- here your custom Lua configuration goes!
  '';
  packages.myVimPackage = with pkgs.vimPlugins; {
    # loaded on launch
    start = [ fugitive ];
    # manually loadable by calling ':packadd $plugin-name'
    opt = [ ];
  };
}
```

Declared by:
<nixpkgs/nixos/modules/programs/neovim.nix>

programs.neovim.defaultEditor
When enabled, installs neovim and configures neovim to be the default editor using the EDITOR environment variable.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/neovim.nix>

programs.neovim.runtime
Set of files that have to be linked in *runtime*.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{ "ftplugin/c.vim".text = "setlocal omnifunc=v:lua.vim.lsp.omnifunc \
"; }
```

Declared by:
<nixpkgs/nixos/modules/programs/neovim.nix>

programs.neovim.runtime.<name>.enable
Whether this runtime directory should be generated. This option allows specific runtime files to be disabled.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/neovim.nix>

programs.neovim.runtime.<name>.source
Path of the source file.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/programs/neovim.nix>

programs.neovim.runtime.<name>.target
Name of symlink. Defaults to the attribute name.

Type: string

Declared by:
<nixpkgs/nixos/modules/programs/neovim.nix>

programs.neovim.runtime.<name>.text
Text of the file.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/programs/neovim.nix>

programs.neovim.viAlias
Symlink **vi** to **nvim** binary.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/neovim.nix>

programs.neovim.vimAlias
Symlink **vim** to **nvim** binary.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/neovim.nix>

programs.neovim.withNodeJs
Enable Node provider.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/neovim.nix>

programs.neovim.withPython3
Enable Python 3 provider.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/neovim.nix>

programs.neovim.withRuby
Enable Ruby provider.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/neovim.nix>

programs.nethoscope.enable
Whether to add nethoscope to the global environment and configure a setcap wrapper for it.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/nethoscope.nix>

programs.nexttrace.enable
Whether to enable Nexttrace to the global environment and configure a setcap wrapper for it.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/nexttrace.nix>

programs.nexttrace.package
The nexttrace package to use.

Type: package

Default:

```
pkgs.nexttrace
```

Declared by:
<nixpkgs/nixos/modules/programs/nexttrace.nix>

programs.nh.enable
Whether to enable nh, yet another Nix CLI helper.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/nh.nix>

programs.nh.package
The nh package to use.

Type: package

Default:

```
pkgs.nh
```

Declared by:
<nixpkgs/nixos/modules/programs/nh.nix>

programs.nh.clean.enable
Whether to enable periodic garbage collection with nh clean all.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/nh.nix>

programs.nh.clean.dates
How often cleanup is performed. Passed to systemd.time

The format is described in **systemd.time**(7).

Type: (optionally newline−terminated) single−line string

Default:

```
"weekly"
```

Declared by:
<nixpkgs/nixos/modules/programs/nh.nix>

programs.nh.clean.extraArgs
Options given to nh clean when the service is run automatically.

See ‘nh clean all −−help’ for more information.

Type: (optionally newline−terminated) single−line string

Default:

```
""
```

Example:

```
"−−keep 5 −−keep−since 3d"
```

Declared by:
<nixpkgs/nixos/modules/programs/nh.nix>

programs.nh.flake
The string that will be used for the ‘NH_FLAKE’ environment variable.

‘NH_FLAKE’ is used by nh as the default flake for performing actions, such as ‘nh os switch’. This behaviour can be overriden per−command with environment variables that will take priority.

- ‘NH_OS_FLAKE’: will take priority for ‘nh os’ commands.
- ‘NH_HOME_FLAKE’: will take priority for ‘nh home’ commands.
- ‘NH_DARWIN_FLAKE’: will take priority for ‘nh darwin’ commands.

The formerly valid ‘FLAKE’ is now deprecated by nh, and will cause hard errors in future releases if ‘NH_FLAKE’ is not set.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/programs/nh.nix>

programs.niri.enable
Whether to enable Niri, a scrollable−tiling Wayland compositor.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/niri.nix>

programs.niri.package
The niri package to use.

Type: package

Default:

```
pkgs.niri
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/niri.nix>

programs.niri.useNautilus
Whether to enable Nautilus as file−chooser for xdg−desktop−portal−gnome.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/niri.nix>

programs.nix−index.enable
Whether to enable nix−index, a file database for nixpkgs.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/nix−index.nix>

programs.nix−index.enableBashIntegration
Whether to enable Bash integration.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/nix−index.nix>

programs.nix−index.enableFishIntegration
Whether to enable Fish integration.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/nix−index.nix>

programs.nix−index.enableZshIntegration
Whether to enable Zsh integration.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/nix−index.nix>

programs.nix−index.package
The nix−index package to use.

Type: package

Default:

```
pkgs.nix−index
```

Declared by:
<nixpkgs/nixos/modules/programs/nix−index.nix>

programs.nix−ld.enable
Whether to enable nix−ld, Documentation: **https://github.com/nix−community/nix−ld**.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/nix−ld.nix>

programs.nix−ld.package

The nix−ld package to use.

Type: package

Default:

```
pkgs.nix-ld
```

Declared by:

<nixpkgs/nixos/modules/programs/nix−ld.nix>

programs.nix−ld.libraries

Libraries that automatically become available to all programs. The default set includes common libraries.

Type: list of package

Default:

```
baseLibraries derived from systemd and nix dependencies.
```

Declared by:

<nixpkgs/nixos/modules/programs/nix−ld.nix>

programs.nix−required−mounts.enable

Whether to enable Expose extra paths to the sandbox depending on derivations' requiredSystemFeatures.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/nix−required−mounts.nix>

programs.nix−required−mounts.allowedPatterns

The hook config, describing which paths to mount for which system features

Type: attribute set of (submodule)

Default:

```
{
  opengl.paths = config.hardware.graphics.extraPackages ++ [
    config.graphics.opengl.package
    pkgs.addDriverRunpath.driverLink
    "/dev/dri"
  ];
}
```

Example:

```
{
  require-ipfs = {
    onFeatures = [
      "ipfs"
    ];
    paths = [
      "/ipfs"
    ];
  };
```

```
}
```

Declared by:

<nixpkgs/nixos/modules/programs/nix−required−mounts.nix>

programs.nix−required−mounts.allowedPatterns.<name>.onFeatures

Which requiredSystemFeatures should trigger relaxation of the sandbox

Type: list of string

Default:

```
[
  "‹name›"
]
```

Declared by:

<nixpkgs/nixos/modules/programs/nix−required−mounts.nix>

programs.nix−required−mounts.allowedPatterns.<name>.paths

A list of glob patterns, indicating which paths to expose to the sandbox

Type: list of (absolute path or (submodule))

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/programs/nix−required−mounts.nix>

programs.nix−required−mounts.allowedPatterns.<name>.safePrefixes

A list of path prefixes that do not need and shall not be searched recursively for further symlink targets. Everything in the nix store does not need to be searched as the derivation already calculcated the full closure of all nix store paths for the drivers package.

Type: list of absolute path

Default:

```
[
  "/build/store"
]
```

Declared by:

<nixpkgs/nixos/modules/programs/nix−required−mounts.nix>

programs.nix−required−mounts.allowedPatterns.<name>.unsafeFollowSymlinks

Whether to enable Instructs the hook to mount the symlink targets as well, when any of the ‘paths’ contain symlinks. This may not work correctly with glob patterns. .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/nix−required−mounts.nix>

programs.nix−required−mounts.extraWrapperArgs

List of extra arguments (such as '−−add−flags −v') to pass to the hook's wrapper

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/programs/nix−required−mounts.nix>

programs.nix−required−mounts.presets.nvidia−gpu.enable

Whether to enable Declare the support for derivations that require an Nvidia GPU to be available, e.g. derivations with 'requiredSystemFeatures = ["cuda"]'. This mounts the corresponding userspace drivers and device nodes in the sandbox, but only for derivations that request these special features.

You may extend or override the exposed paths via the 'programs.nix−required−mounts.allowedPatterns.nvidia−gpu.paths' option. .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/nix−required−mounts.nix>

programs.nix−required−mounts.presets.zluda.enable

Whether to enable Same as 'programs.nix−required−mounts.presets.nvidia−gpu' but adds paths to the sandbox that are needed for running CUDA applications on top of the ZLUDA translation layer combined with AMD GPUs.

You may extend or override the exposed paths via the 'programs.nix−required−mounts.allowedPatterns.zluda.paths' option. .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/nix−required−mounts.nix>

programs.nixbit.enable

Whether to enable Nixbit configuration.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/nixbit.nix>

programs.nixbit.package
The nixbit package to use.

Type: package

Default:

```
pkgs.nixbit
```

Declared by:
<nixpkgs/nixos/modules/programs/nixbit.nix>

programs.nixbit.forceAutostart
Force creation of autostart desktop entry when application starts

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/nixbit.nix>

programs.nixbit.repository
Git repository URL for Nixbit

Type: string

Declared by:
<nixpkgs/nixos/modules/programs/nixbit.nix>

programs.nm−applet.enable
Whether to enable nm−applet, a NetworkManager control applet for GNOME.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/nm−applet.nix>

programs.nm−applet.package
The networkmanagerapplet package to use.

Type: package

Default:

```
pkgs.networkmanagerapplet
```

Declared by:
<nixpkgs/nixos/modules/programs/nm−applet.nix>

programs.nm−applet.indicator

Whether to use indicator instead of status icon. It is needed for Appindicator environments, like Enlightenment.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/nm−applet.nix>

programs.nncp.enable

Whether to enable NNCP (Node to Node copy) utilities and configuration.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/nncp.nix>

programs.nncp.package

The nncp package to use.

Type: package

Default:

```
pkgs.nncp
```

Declared by:

<nixpkgs/nixos/modules/programs/nncp.nix>

programs.nncp.group

The group under which NNCP files shall be owned. Any member of this group may access the secret keys of this NNCP node.

Type: string

Default:

```
"uucp"
```

Declared by:

<nixpkgs/nixos/modules/programs/nncp.nix>

programs.nncp.secrets

A list of paths to NNCP configuration files that should not be in the Nix store. These files are layered on top of the values at **programs.nncp.settings**.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "/run/keys/nncp.hjson"
]
```

Declared by:
<nixpkgs/nixos/modules/programs/nncp.nix>

programs.nncp.settings
NNCP configuration, see **http://www.nncpgo.org/Configuration.html**. At runtime these settings will be overlayed by the contents of **programs.nncp.secrets** into the file '/run/nncp.hjson'. Node keypairs go in 'secrets', do not specify them in 'settings' as they will be leaked into '/nix/store'!

Type: JSON value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/programs/nncp.nix>

programs.noisetorch.enable
Whether to enable noisetorch (+ setcap wrapper), a virtual microphone device with noise suppression.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/noisetorch.nix>

programs.noisetorch.package
The noisetorch package to use.

Type: package

Default:

```
pkgs.noisetorch
```

Declared by:
<nixpkgs/nixos/modules/programs/noisetorch.nix>

programs.npm.enable
Whether to enable **npm** global config.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/npm.nix>

programs.npm.package
The nodejs package to use.

Type: package

Default:

```
pkgs.nodejs
```

Declared by:
<nixpkgs/nixos/modules/programs/npm.nix>

programs.npm.npmrc
The system−wide npm configuration. See **https://docs.npmjs.com/misc/config**.

Type: strings concatenated with "\n"

Default:
```
prefix = ''${HOME}/.npm
```

Example:
```
prefix = ''${HOME}/.npm
https-proxy=proxy.example.com
init-license=MIT
init-author-url=https://www.npmjs.com/
color=true
```

Declared by:
<nixpkgs/nixos/modules/programs/npm.nix>

programs.ns−usbloader.enable
Whether to enable ns−usbloader application with udev rules applied.

Type: boolean

Default:
```
false
```

Example:
```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/ns−usbloader.nix>

programs.obs−studio.enable
Whether to enable Free and open source software for video recording and live streaming.

Type: boolean

Default:
```
false
```

Example:
```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/obs−studio.nix>

programs.obs−studio.enableVirtualCamera
Installs and sets up the v4l2loopback kernel module, necessary for OBS to start a virtual camera.

Type: boolean

Default:
```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/obs−studio.nix>

programs.obs−studio.package
The obs−studio package to use.

Type: null or package

Default:

```
pkgs.obs−studio
```

Example:

```
obs−studio
```

Declared by:
<nixpkgs/nixos/modules/programs/obs−studio.nix>

programs.obs−studio.plugins
Optional OBS plugins.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.obs−studio−plugins.wlrobs ]
```

Declared by:
<nixpkgs/nixos/modules/programs/obs−studio.nix>

programs.oddjobd.enable
Whether to enable oddjob, a D−Bus service which runs odd jobs on behalf of client applications.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/oddjobd.nix>

programs.oddjobd.package
The oddjob package to use.

Type: package

Default:

```
pkgs.oddjob
```

Declared by:
<nixpkgs/nixos/modules/programs/oddjobd.nix>

programs.opengamepadui.enable
Whether to enable opengamepadui.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/opengamepadui.nix>

programs.opengamepadui.package
The OpenGamepadUI package to use.

Type: package

Default:

```
pkgs.opengamepadui
```

Declared by:
<nixpkgs/nixos/modules/programs/opengamepadui.nix>

programs.opengamepadui.args
Arguments to be passed to OpenGamepadUI

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/programs/opengamepadui.nix>

programs.opengamepadui.extraPackages
Additional packages to add to the OpenGamepadUI environment.

Type: list of package

Default:

```
[ ]
```

Example:

```
with pkgs; [
  gamescope
]
```

Declared by:
<nixpkgs/nixos/modules/programs/opengamepadui.nix>

programs.opengamepadui.fontPackages
Font packages to use in OpenGamepadUI.

Defaults to system fonts, but could be overridden to use other fonts — useful for users who would like to customize CJK fonts used in opengamepadui. According to the **upstream issue**, opengamepadui only follows the per−user fontconfig configuration.

Type: list of package

Default:

```
builtins.filter lib.types.package.check config.fonts.packages
```

Example:

```
with pkgs; [ source−han−sans ]
```

Declared by:
<nixpkgs/nixos/modules/programs/opengamepadui.nix>

programs.opengamepadui.gamescopeSession

Run a GameScope driven OpenGamepadUI session from your display−manager

Type: submodule

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/programs/opengamepadui.nix>

programs.opengamepadui.gamescopeSession.enable

Whether to enable GameScope Session.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/opengamepadui.nix>

programs.opengamepadui.gamescopeSession.args

Arguments to be passed to GameScope for the session.

Type: list of string

Default:

```
[
  "--prefer-output"
  "*,eDP-1"
  "--xwayland-count"
  "2"
  "--default-touch-mode"
  "4"
  "--hide-cursor-delay"
  "3000"
  "--fade-out-duration"
  "200"
  "--steam"
]
```

Declared by:

<nixpkgs/nixos/modules/programs/opengamepadui.nix>

programs.opengamepadui.gamescopeSession.env

Environmental variables to be passed to GameScope for the session.

Type: attribute set of string

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/programs/opengamepadui.nix>

programs.opengamepadui.inputplumber.enable

Whether to enable Run InputPlumber service for input management and gamepad configuration. .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/opengamepadui.nix>

programs.opengamepadui.powerstation.enable

Whether to enable Run PowerStation service for TDP control and performance settings. .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/opengamepadui.nix>

programs.openvpn3.enable

Whether to enable the openvpn3 client.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/openvpn3.nix>

programs.openvpn3.package

The openvpn3 package to use.

Type: package

Default:

```
pkgs.openvpn3
```

Declared by:

<nixpkgs/nixos/modules/programs/openvpn3.nix>

programs.openvpn3.log−service

Log service configuration

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/programs/openvpn3.nix>

programs.openvpn3.log−service.settings
Options stored in */etc/openvpn3/log−service.json* configuration file

Type: open submodule of attribute set of (JSON value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/programs/openvpn3.nix>

programs.openvpn3.log−service.settings.journald
Use systemd−journald

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/openvpn3.nix>

programs.openvpn3.log−service.settings.log_dbus_details
Add D−Bus details in log file/syslog

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/openvpn3.nix>

programs.openvpn3.log−service.settings.log_level
How verbose should the logging be

Type: integer between 0 and 7 (both inclusive)

Default:

```
3
```

Example:

```
6
```

Declared by:
<nixpkgs/nixos/modules/programs/openvpn3.nix>

programs.openvpn3.log−service.settings.timestamp
Add timestamp log file

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/openvpn3.nix>

programs.openvpn3.netcfg
Network configuration

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/programs/openvpn3.nix>

programs.openvpn3.netcfg.settings
Options stored in */etc/openvpn3/netcfg.json* configuration file

Type: open submodule of attribute set of (JSON value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/programs/openvpn3.nix>

programs.openvpn3.netcfg.settings.systemd_resolved
Whether to use systemd−resolved integration

Type: boolean

Default:

```
config.services.resolved.enable
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/openvpn3.nix>

programs.partition−manager.enable
Whether to enable KDE Partition Manager.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/partition−manager.nix>

programs.partition−manager.package
The partitionmanager package to use.

Type: package

Default:

```
pkgs.kdePackages.partitionmanager
```

Declared by:
<nixpkgs/nixos/modules/programs/partition−manager.nix>

programs.pay−respects.enable
Whether to enable pay−respects, an app which corrects your previous console command.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/pay−respects.nix>

programs.pay−respects.package
The pay−respects package to use.

Type: package

Default:

```
pkgs.pay−respects
```

Declared by:
<nixpkgs/nixos/modules/programs/pay−respects.nix>

programs.pay−respects.aiIntegration
Whether to enable ‘pay−respects’’ LLM integration. When there is no rule for a given error, ‘pay−respects’ can query an OpenAI−compatible API endpoint for command corrections.

- If this is set to ‘false’, all LLM−related features are disabled.
- If this is set to ‘true’, the default OpenAI endpoint will be used, using upstream’s API key. This default API key may be rate−limited.
- You can also set a custom API endpoint, large language model and locale for command corrections. Simply access the ‘aiIntegration.url’, ‘aiIntegration.model’ and ‘aiIntegration.locale’ options, as described in the example.
  - Take a look at the **services.ollama** NixOS module if you wish to host a local large language model for ‘pay−respects’.

For all of these methods, you can set a custom secret API key by using the ‘_PR_AI_API_KEY’ environment variable.

Type: boolean or (submodule)

Default:

```
false
```

Example:

```
{
  locale = "nl−be";
  model = "llama3";
  url = "http://127.0.0.1:11434/v1/chat/completions";
}
```

Declared by:
<nixpkgs/nixos/modules/programs/pay−respects.nix>

programs.pay−respects.alias

‘pay−respects’ needs an alias to be configured. The default value is ‘f’, but you can use anything else as well.

Type: string

Default:

```
"f"
```

Declared by:

<nixpkgs/nixos/modules/programs/pay−respects.nix>

programs.pay−respects.runtimeRules

List of rules to be added to ‘/etc/xdg/pay−respects/rules’. ‘pay−respects’ will read the contents of these generated rules to recommend command corrections. Each rule module should start with the ‘command’ attribute that specifies the command name. See the **upstream documentation** for more information.

Type: list of (TOML value)

Default:

```
[ ]
```

Example:

```
[
  {
    command = "xl";
    match_err = [
      {
        pattern = [
          "Permission denied"
        ];
        suggest = [
          ''
            #[executable(sudo), !cmd_contains(sudo), err_contains(l \
ibxl: error:)]
            sudo {{command}}
          ''
        ];
      }
    ];
  }
];
```

Declared by:

<nixpkgs/nixos/modules/programs/pay−respects.nix>

programs.plotinus.enable

Whether to enable the Plotinus GTK 3 plugin. Plotinus provides a popup (triggered by Ctrl−Shift−P) to search the menus of a compatible application.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/programs/plotinus.nix>

programs.pmount.enable

Whether to enable pmount, a tool that allows normal users to mount removable devices without requiring root privileges .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/pmount.nix>

programs.pmount.package

The pmount package to use.

Type: package

Default:

```
pkgs.pmount
```

Declared by:

<nixpkgs/nixos/modules/programs/pmount.nix>

programs.pqos-wrapper.enable

Whether to enable PQoS Wrapper for BenchExec.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/pqos-wrapper.nix>

programs.pqos-wrapper.package

The pqos-wrapper package to use.

Type: package

Default:

```
pkgs.pqos-wrapper
```

Declared by:

<nixpkgs/nixos/modules/programs/pqos-wrapper.nix>

programs.projecteur.enable

Whether to enable projecteur, an application for the Logitech Spotlight device (and similar).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/projecteur.nix>

programs.projecteur.package
The projecteur package to use.

Type: package

Default:

```
pkgs.projecteur
```

Declared by:
<nixpkgs/nixos/modules/programs/projecteur.nix>

programs.proxychains.enable
Whether to enable proxychains configuration.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/proxychains.nix>

programs.proxychains.package
The proxychains package to use.

Type: package

Default:

```
pkgs.proxychains
```

Example:

```
proxychains-ng
```

Declared by:
<nixpkgs/nixos/modules/programs/proxychains.nix>

programs.proxychains.chain.length
Chain length for random chain.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/programs/proxychains.nix>

programs.proxychains.chain.type
‘dynamic’ − Each connection will be done via chained proxies all proxies chained in the order as they appear in the list at least one proxy must be online to play in chain (dead proxies are skipped) otherwise ‘EINTR’ is returned to the app.

‘strict’ − Each connection will be done via chained proxies all proxies chained in the order as they appear in the list all proxies must be online to play in chain otherwise ‘EINTR’ is returned to the app.

‘random’ − Each connection will be done via random proxy (or proxy chain, see **programs.proxychains.chain.length**) from the list.

Type: one of “dynamic”, “strict”, “random”

Default:

```
"strict"
```

Declared by:
<nixpkgs/nixos/modules/programs/proxychains.nix>

programs.proxychains.localnet
By default enable localnet for loopback address ranges.

Type: string

Default:

```
"127.0.0.0/255.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/programs/proxychains.nix>

programs.proxychains.proxies
Proxies to be used by proxychains.

Type: attribute set of (submodule)

Example:

```
{ myproxy =
  { type = "socks4";
    host = "127.0.0.1";
    port = 1337;
  };
}
```

Declared by:
<nixpkgs/nixos/modules/programs/proxychains.nix>

programs.proxychains.proxies.<name>.enable
Whether to enable this proxy.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/proxychains.nix>

programs.proxychains.proxies.<name>.host
Proxy host or IP address.

Type: string

Declared by:
<nixpkgs/nixos/modules/programs/proxychains.nix>

programs.proxychains.proxies.<name>.port
Proxy port

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Declared by:
<nixpkgs/nixos/modules/programs/proxychains.nix>

programs.proxychains.proxies.<name>.type
Proxy type.

Type: one of “http”, “socks4”, “socks5”

Declared by:
<nixpkgs/nixos/modules/programs/proxychains.nix>

programs.proxychains.proxyDNS
Proxy DNS requests − no leak for DNS data.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/proxychains.nix>

programs.proxychains.quietMode
Whether to enable Quiet mode (no output from the library).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/proxychains.nix>

programs.proxychains.remoteDNSSubnet
Set the class A subnet number to use for the internal remote DNS mapping, uses the reserved 224.x.x.x range by default.

Type: one of 10, 127, 224

Default:

```
224
```

Declared by:
<nixpkgs/nixos/modules/programs/proxychains.nix>

programs.proxychains.tcpConnectTimeOut
Connection time−out in milliseconds.

Type: signed integer

Default:

```
8000
```

Declared by:
<nixpkgs/nixos/modules/programs/proxychains.nix>

programs.proxychains.tcpReadTimeOut
Connection read time−out in milliseconds.

Type: signed integer

Default:

```
15000
```

Declared by:
<nixpkgs/nixos/modules/programs/proxychains.nix>

programs.pulseview.enable
Whether to enable pulseview, a sigrok GUI.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/pulseview.nix>

programs.qdmr.enable
Whether to enable QDMR − a GUI application and command line tool for programming DMR radios.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/qdmr.nix>

programs.qdmr.package
The qdmr package to use.

Type: package

Default:

```
pkgs.qdmr
```

Declared by:
<nixpkgs/nixos/modules/programs/qdmr.nix>

programs.qgroundcontrol.enable
Whether to enable qgroundcontrol.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/qgroundcontrol.nix>

programs.qgroundcontrol.package
The qgroundcontrol package to use.

Type: package

Default:

```
pkgs.qgroundcontrol
```

Declared by:
<nixpkgs/nixos/modules/programs/qgroundcontrol.nix>

programs.qgroundcontrol.blacklistModemManagerFromTTYUSB
Disallow ModemManager from interfering with serial connections that QGroundControl might use.

Note that if you use a modem that's connected via USB, you might want to disable this option.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/qgroundcontrol.nix>

programs.quark−goldleaf.enable
Whether to enable quark−goldleaf with udev rules applied.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/quark−goldleaf.nix>

programs.regreet.enable
Enable ReGreet, a clean and customizable greeter for greetd.

To use ReGreet, **services.greetd** has to be enabled and **services.greetd.settings.default_session** should contain the appropriate configuration to launch **config.programs.regreet.package**. For examples, see the **ReGreet Readme**.

A minimal configuration that launches ReGreet in **cage** is enabled by this module by default.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/regreet.nix>

programs.regreet.package

The regreet package to use.

Type: package

Default:

```
pkgs.regreet
```

Declared by:

<nixpkgs/nixos/modules/programs/regreet.nix>

programs.regreet.cageArgs

Additional arguments to be passed to **cage**.

Type: list of string

Default:

```
[
  "-s"
  "-d"
]
```

Example:

```
[ "-s" "-d" "-m" "last" ]
```

Declared by:

<nixpkgs/nixos/modules/programs/regreet.nix>

programs.regreet.cursorTheme.package

The package that provides the cursor theme given in the name option.

Type: package

Default:

```
pkgs.adwaita-icon-theme
```

Declared by:

<nixpkgs/nixos/modules/programs/regreet.nix>

programs.regreet.cursorTheme.name

Name of the cursor theme to use for regreet.

Type: string

Default:

```
"Adwaita"
```

Declared by:

<nixpkgs/nixos/modules/programs/regreet.nix>

programs.regreet.extraCss

Extra CSS rules to apply on top of the GTK theme. Refer to **GTK CSS Properties** for modifiable properties.

Type: absolute path or strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/programs/regreet.nix>

programs.regreet.font.package
The package that provides the font given in the name option.

Type: package

Default:

```
pkgs.cantarell-fonts
```

Declared by:
<nixpkgs/nixos/modules/programs/regreet.nix>

programs.regreet.font.name
Name of the font to use for regreet.

Type: string

Default:

```
"Cantarell"
```

Declared by:
<nixpkgs/nixos/modules/programs/regreet.nix>

programs.regreet.font.size
Size of the font to use for regreet.

Type: positive integer, meaning >0

Default:

```
16
```

Declared by:
<nixpkgs/nixos/modules/programs/regreet.nix>

programs.regreet.iconTheme.package
The package that provides the icon theme given in the name option.

Type: package

Default:

```
pkgs.adwaita-icon-theme
```

Declared by:
<nixpkgs/nixos/modules/programs/regreet.nix>

programs.regreet.iconTheme.name
Name of the icon theme to use for regreet.

Type: string

Default:

```
"Adwaita"
```

Declared by:
<nixpkgs/nixos/modules/programs/regreet.nix>

programs.regreet.settings
ReGreet configuration file. Refer **https://github.com/rharish101/ReGreet/blob/main/regreet.sample.toml** for options.

Type: TOML value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/programs/regreet.nix>

programs.regreet.theme.package
The package that provides the theme given in the name option.

Type: package

Default:

```
pkgs.gnome-themes-extra
```

Declared by:
<nixpkgs/nixos/modules/programs/regreet.nix>

programs.regreet.theme.name
Name of the theme to use for regreet.

Type: string

Default:

```
"Adwaita"
```

Declared by:
<nixpkgs/nixos/modules/programs/regreet.nix>

programs.river-classic.enable
Whether to enable river-classic, a dynamic tiling Wayland compositor.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/river.nix>

programs.river-classic.package
The river-classic package to use. If the package is not overridable with 'xwaylandSupport', then the module option **xwayland** will have no effect.

Set to 'null' to not add any River package to your path. This should be done if you want to use the Home Manager River module to install River.

Type: null or package

Default:

```
pkgs.river-classic
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/river.nix>

programs.river-classic.extraPackages
Extra packages to be installed system wide. See **Common X11 apps used on i3 with Wayland alternatives** for a list of useful software.

Type: list of package

Default:

```
with pkgs; [ swaylock foot dmenu ];
```

Example:

```
with pkgs; [ termite rofi light ]
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/river.nix>

programs.river−classic.xwayland.enable
Whether to enable XWayland.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/river.nix>

programs.rog−control−center.enable
Whether to enable the rog−control−center application.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/rog−control−center.nix>

programs.rog−control−center.autoStart
Whether rog−control−center should be started automatically.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/rog−control−center.nix>

programs.rush.enable
Whether to enable Restricted User Shell…

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/rush.nix>

programs.rush.package
The rush package to use.

Type: package

Default:

```
pkgs.rush
```

Declared by:
<nixpkgs/nixos/modules/programs/rush.nix>

programs.rush.global
The ‘global’ statement defines global settings.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/programs/rush.nix>

programs.rush.rules
The rule statement configures a GNU Rush rule. This is a block statement, which means that all statements located between it and the next rule statement (or end of file, whichever occurs first) modify the definition of that rule.

Type: attribute set of strings concatenated with “\n”

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/programs/rush.nix>

programs.rush.shell
The resolved shell path that users can inherit to set ‘rush’ as their login shell. This is a convenience option for use in user definitions. Example: ‘users.users.alice = { inherit (config.programs.rush) shell; ... };’

Type: package or absolute path *(read only)*

Declared by:
<nixpkgs/nixos/modules/programs/rush.nix>

programs.rush.wrap
Whether to wrap the ‘rush’ binary with a SUID−enabled wrapper. This is required if **security.enableWrappers** is enabled in your configuration.

Type: boolean

Default:

```
config.security.enableWrappers
```

Declared by:
<nixpkgs/nixos/modules/programs/rush.nix>

programs.rust−motd.enable
Whether to enable rust−motd, a Message Of The Day (MOTD) generator.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/rust−motd.nix>

programs.rust−motd.enableMotdInSSHD
Whether to let ‘openssh’ print the result when entering a new ‘ssh’−session. By default either nothing or a static file defined via **users.motd** is printed. Because of that, the latter option is incompatible with this module.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/rust−motd.nix>

programs.rust−motd.order
The order of the sections in **programs.rust-motd.settings**. By default they are ordered alphabetically.

Context: since attribute sets in Nix are always ordered alphabetically internally this means that

```
{
  uptime = { /* ... */ };
  banner = { /* ... */ };
}
```

will still have ‘banner’ displayed before ‘uptime’.

To work around that, this option can be used to define the order of all keys, i.e.

```
{
  order = [
    "uptime"
    "banner"
  ];
}
```

makes sure that ‘uptime’ is placed before ‘banner’ in the motd.

Type: list of string

Default:

```
attrNames cfg.settings
```

Declared by:
<nixpkgs/nixos/modules/programs/rust−motd.nix>

programs.rust−motd.refreshInterval
Interval in which the **motd**(5) file is refreshed. For possible formats, please refer to **systemd.time**(7).

Type: string

Default:

```
"*:0/5"
```

Declared by:
<nixpkgs/nixos/modules/programs/rust−motd.nix>

programs.rust−motd.settings

Settings on what to generate. Please read the **upstream documentation** for further information.

Type: attribute set of (TOML value)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/programs/rust−motd.nix>

programs.ryzen−monitor−ng.enable

Whether to enable ryzen_monitor_ng, a userspace application for setting and getting Ryzen SMU (System Management Unit) parameters via the ryzen_smu kernel driver.

Monitor power information of Ryzen processors via the PM table of the SMU.

SMU Set and Get for many parameters and CO counts.

https://github.com/mann1x/ryzen_monitor_ng

WARNING: Damage cause by use of your AMD processor outside of official AMD specifications or outside of factory settings are not covered under any AMD product warranty and may not be covered by your board or system manufacturer's warranty .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/ryzen−monitor−ng.nix>

programs.ryzen−monitor−ng.package

The ryzen−monitor−ng package to use.

Type: package

Default:

```
pkgs.ryzen−monitor−ng
```

Declared by:

<nixpkgs/nixos/modules/programs/ryzen−monitor−ng.nix>

programs.schroot.enable

Whether to enable schroot, a lightweight virtualisation tool.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/schroot.nix>

programs.schroot.package

The schroot package to use.

Type: package

Default:

```
pkgs.schroot
```

Declared by:

<nixpkgs/nixos/modules/programs/schroot.nix>

programs.schroot.profiles

Custom configuration profiles for schroot.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/programs/schroot.nix>

programs.schroot.profiles.<name>.copyfiles

A list of files to copy into the chroot from the host system.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "/etc/resolv.conf"
]
```

Declared by:

<nixpkgs/nixos/modules/programs/schroot.nix>

programs.schroot.profiles.<name>.fstab

A file in the format described in **fstab**(5), used to mount filesystems inside the chroot. The mount location is relative to the root of the chroot.

Type: absolute path

Example:

```
pkgs.writeText "my-schroot-fstab" ''
  /proc           /proc           none    rw,bind         0       0
  /sys            /sys            none    rw,bind         0       0
  /dev            /dev            none    rw,bind         0       0
  /dev/pts        /dev/pts        none    rw,bind         0       0
  /home           /home           none    rw,rbind        0       0
  /tmp            /tmp            none    rw,bind         0       0
  /dev/shm        /dev/shm        none    rw,bind         0       0
  /nix            /nix            none    ro,bind         0       0
  /run/current-system /run/current-system none rw,bind    0       \
 0
  /run/wrappers   /run/wrappers   none    rw,bind         0       0
```

Declared by:

<nixpkgs/nixos/modules/programs/schroot.nix>

programs.schroot.profiles.<name>.nssdatabases

System databases (as described in /etc/nsswitch.conf on GNU/Linux systems) to copy into the chroot from the host.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "passwd"
  "shadow"
  "group"
  "gshadow"
  "services"
  "protocols"
  "networks"
  "hosts"
]
```

Declared by:

<nixpkgs/nixos/modules/programs/schroot.nix>

programs.schroot.settings

Schroot configuration settings. For more details, see **schroot.conf**(5).

Type: attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Example:

```
{
  noble = {
    description = "Ubuntu 24.04 Noble";
    directory = "/srv/chroot/noble";
    personality = "linux";
    preserve-environment = false;
    profile = "my-profile";
    root-users = "my-user";
    shell = "/bin/bash";
    type = "directory";
    users = "my-user";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/programs/schroot.nix>

programs.screen.enable

Whether to enable screen, a basic terminal multiplexer.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/screen.nix>

programs.screen.package

The screen package to use.

Type: package

Default:

```
pkgs.screen
```

Declared by:

<nixpkgs/nixos/modules/programs/screen.nix>

programs.screen.screenrc

The contents of */etc/screenrc* file

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
defscrollback 10000
startup_message off
```

Declared by:

<nixpkgs/nixos/modules/programs/screen.nix>

programs.seahorse.enable

Whether to enable Seahorse, a GNOME application for managing encryption keys and passwords in the GNOME Keyring.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/seahorse.nix>

programs.sedutil.enable

Whether to enable sedutil, to manage self encrypting drives that conform to the Trusted Computing Group OPAL 2.0 SSC specification.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/sedutil.nix>

programs.sharing.enable
Whether to enable sharing, a CLI tool for sharing files.

Note that it will opens the 7478 port for TCP in the firewall, which is needed for it to function properly .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/sharing.nix>

programs.singularity.enable
Whether to install Singularity/Apptainer with system−level overriding such as SUID support.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/singularity.nix>

programs.singularity.enableExternalLocalStateDir
Whether to use top−level directories as LOCALSTATEDIR instead of the store path ones. This affects the SESSIONDIR of Apptainer/Singularity. If set to true, the SESSIONDIR will become '/var/lib/${projectName}/mnt/session'.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/singularity.nix>

programs.singularity.enableFakeroot
Whether to enable the '−−fakeroot' support of Singularity/Apptainer.

This option is deprecated and has no effect. '−−fakeroot' support is enabled automatically, as 'systemBinPaths = ["/run/wrappers/bin"]' is always specified.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/singularity.nix>

programs.singularity.enableSuid
Whether to enable the SUID support of Singularity/Apptainer.

Type: boolean

Default:

```
config.services.singularity.package.projectName != "apptainer"
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/singularity.nix>

programs.singularity.package
The singularity package to use.

Type: package

Default:

```
pkgs.singularity
```

Example:

```
apptainer
```

Declared by:
<nixpkgs/nixos/modules/programs/singularity.nix>

programs.singularity.packageOverriden
This option provides access to the overridden result of ‘programs.singularity.package’.

For example, the following configuration makes all the Nixpkgs packages use the overridden ‘singularity’:

```
{ config, lib, pkgs, ... }:
{
  nixpkgs.overlays = [
    (final: prev: {
      _singularity-orig = prev.singularity;
      singularity = config.programs.singularity.packageOverriden;
    })
  ];
  programs.singularity.enable = true;
  programs.singularity.package = pkgs._singularity-orig;
}
```

Use ‘lib.mkForce’ to forcefully specify the overridden package.

Type: null or package

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/programs/singularity.nix>

programs.singularity.systemBinPaths

(Extra) system−wide /**/bin paths for Apptainer/Singularity to find command−line utilities in.

‘"/run/wrappers/bin"’ is included by default to make utilities with SUID bit set available to Apptainer/Singularity. Use ‘lib.mkForce’ to shadow the default values.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/programs/singularity.nix>

programs.skim.enable

Whether to enable skim fuzzy finder.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/skim.nix>

programs.skim.package

The skim package to use.

Type: package

Default:

```
pkgs.skim
```

Declared by:

<nixpkgs/nixos/modules/programs/skim.nix>

programs.skim.keybindings

Whether to enable skim keybindings.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/skim.nix>

programs.slock.enable

Whether to install slock screen locker with setuid wrapper.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/slock.nix>

programs.slock.package
The slock package to use.

Type: package

Default:

```
pkgs.slock
```

Declared by:
<nixpkgs/nixos/modules/programs/slock.nix>

programs.sniffnet.enable
Whether to enable sniffnet, a network traffic monitor application.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/sniffnet.nix>

programs.soundmodem.enable
Whether to add Soundmodem to the global environment and configure a wrapper for 'soundmodemconfig' for users in the 'soundmodem' group.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/soundmodem.nix>

programs.soundmodem.package
The soundmodem package to use.

Type: package

Default:

```
pkgs.soundmodem
```

Declared by:
<nixpkgs/nixos/modules/programs/soundmodem.nix>

programs.ssh.enableAskPassword
Whether to configure SSH_ASKPASS in the environment.

Type: boolean

Default:

```
config.services.xserver.enable
```

Declared by:
<nixpkgs/nixos/modules/programs/ssh.nix>

programs.ssh.package

The openssh package to use.

Type: package

Default:

```
pkgs.openssh
```

Declared by:

<nixpkgs/nixos/modules/programs/ssh.nix>

programs.ssh.agentPKCS11Whitelist

A pattern−list of acceptable paths for PKCS#11 shared libraries that may be used with the −s option to ssh−add.

Type: null or string

Default:

```
null
```

Example:

```
"${pkgs.opensc}/lib/opensc−pkcs11.so"
```

Declared by:

<nixpkgs/nixos/modules/programs/ssh.nix>

programs.ssh.agentTimeout

How long to keep the private keys in memory. Use null to keep them forever.

Type: null or string

Default:

```
null
```

Example:

```
"1h"
```

Declared by:

<nixpkgs/nixos/modules/programs/ssh.nix>

programs.ssh.askPassword

Program used by SSH to ask for passwords.

Type: string

Default:

```
"${pkgs.x11_ssh_askpass}/libexec/x11−ssh−askpass"
```

Declared by:

<nixpkgs/nixos/modules/programs/ssh.nix>

programs.ssh.ciphers

Specifies the ciphers allowed and their order of preference.

Type: null or (list of string)

Default:

```
null
```

Example:

```
[
  "chacha20−poly1305@openssh.com"
```

```
  "aes256-gcm@openssh.com"
]
```

Declared by:

<nixpkgs/nixos/modules/programs/ssh.nix>

programs.ssh.extraConfig

Extra configuration text prepended to *ssh_config*. Other generated options will be added after a 'Host *' pattern. See **ssh_config**(5) for help.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/programs/ssh.nix>

programs.ssh.forwardX11

Whether to request X11 forwarding on outgoing connections by default. If set to null, the option is not set at all. This is useful for running graphical programs on the remote machine and have them display to your local X11 server. Historically, this value has depended on the value used by the local sshd daemon, but there really isn't a relation between the two. Note: there are some security risks to forwarding an X11 connection. NixOS's X server is built with the SECURITY extension, which prevents some obvious attacks. To enable or disable forwarding on a per−connection basis, see the −X and −x options to ssh. The −Y option to ssh enables trusted forwarding, which bypasses the SECURITY extension.

Type: null or boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/programs/ssh.nix>

programs.ssh.hostKeyAlgorithms

Specifies the host key algorithms that the client wants to use in order of preference.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "ssh-ed25519"
  "ssh-rsa"
]
```

Declared by:

<nixpkgs/nixos/modules/programs/ssh.nix>

programs.ssh.kexAlgorithms

Specifies the available KEX (Key Exchange) algorithms.

Type: null or (list of string)

Default:

```
null
```

Example:

```
[
  "curve25519-sha256@libssh.org"
  "diffie-hellman-group-exchange-sha256"
]
```

Declared by:
<nixpkgs/nixos/modules/programs/ssh.nix>

programs.ssh.knownHosts
The set of system-wide known SSH hosts. To make simple setups more convenient the name of an attribute in this set is used as a host name for the entry. This behaviour can be disabled by setting 'hostNames' explicitly. You can use 'extraHostNames' to add additional host names without disabling this default.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  myhost = {
    extraHostNames = [ "myhost.mydomain.com" "10.10.1.4" ];
    publicKeyFile = ./pubkeys/myhost_ssh_host_dsa_key.pub;
  };
  "myhost2.net".publicKey = "ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAI \
LIRuJ8p1Fi+m6WkHV0KWnRfpM1WxoW8XAS+XvsSKsTK";
  "myhost2.net/dsa" = {
    hostNames = [ "myhost2.net" ];
    publicKeyFile = ./pubkeys/myhost2_ssh_host_dsa_key.pub;
  };
}
```

Declared by:
<nixpkgs/nixos/modules/programs/ssh.nix>

programs.ssh.knownHosts.<name>.certAuthority
This public key is an SSH certificate authority, rather than an individual host's key.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/ssh.nix>

programs.ssh.knownHosts.<name>.extraHostNames
A list of additional host names and/or IP numbers used for accessing the host's ssh service. This list is ignored if 'hostNames' is set explicitly.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/programs/ssh.nix>

programs.ssh.knownHosts.<name>.hostNames

A list of host names and/or IP numbers used for accessing the host's ssh service. This list includes the name of the containing 'knownHosts' attribute by default for convenience. If you wish to configure multiple host keys for the same host use multiple 'knownHosts' entries with different attribute names and the same 'hostNames' list.

Type: list of string

Default:

```
[ ‹name› ] ++ config.programs.ssh.knownHosts.<name>.extraHostNames
```

Declared by:

<nixpkgs/nixos/modules/programs/ssh.nix>

programs.ssh.knownHosts.<name>.publicKey

The public key data for the host. You can fetch a public key from a running SSH server with the **ssh-keyscan** command. The public key should not include any host names, only the key type and the key itself.

Type: null or string

Default:

```
null
```

Example:

```
"ecdsa-sha2-nistp521 AAAAE2VjZHN...UEPg=="
```

Declared by:

<nixpkgs/nixos/modules/programs/ssh.nix>

programs.ssh.knownHosts.<name>.publicKeyFile

The path to the public key file for the host. The public key file is read at build time and saved in the Nix store. You can fetch a public key file from a running SSH server with the **ssh-keyscan** command. The content of the file should follow the same format as described for the 'publicKey' option. Only a single key is supported. If a host has multiple keys, use **programs.ssh.knownHostsFiles** instead.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/programs/ssh.nix>

programs.ssh.knownHostsFiles

Files containing SSH host keys to set as global known hosts. '/etc/ssh/ssh_known_hosts' (which is generated by **programs.ssh.knownHosts**) is always included.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[
  ./known_hosts
  (writeText "github.keys" ''
    github.com ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABgQCj7ndNxQowgcQ \
njshcLrqPEiiphnt+VTTvDP6mHBL9j1aNUkY4Ue1gvwnGLVlOhGeYrnZaMgRK6+PKCU \
XaDbC7qtbW8gIkhL7aGCsOr/C56SJMy/BCZfxd1nWzAOxSDPgVsmerOBYfNqltV9/hW \
```

```
CqBywINIR+5dIg6JTJ72pcEpEjcYgXkE2YEFXV1JHnsKgbLWNlhScqb2UmyRkQyytRL \
tL+38TGxkxCflmO+5Z8CSSNY7GidjMIZ7Q4zMjA2n1nGrlTDkzwDCsw+wqFPGQA179c \
nfGWOWRVruj16z6XyvxvjJwbz0wQZ75XK5tKSb7FNyeIEs4TT4jk+S4dhPeAUC5y+bD \
YirYgM4GC7uEnztnZyaVWQ7B381AK4Qdrwt51ZqExKbQpTUNn+EjqoTwvqNj4kqx5QU \
CI0ThS/YkOxJCXmPUWZbhjpCg56i+2aB6CmK2JGhn57K5mj0MNdBXA4/WnwH6XoPWJz \
K5Nyu2zB3nAZp+S5hpQs+p1vN1/wsjk=
    github.com ecdsa-sha2-nistp256 AAAAE2VjZHNhLXNoYTItbmlzdHAyNT \
YAAAAIbmlzdHAyNTYAAABBBEmKSENjQEezOmxkZMy7opKgwFB9nkt5YRrYMjNuG5N87 \
uRgg6CLrbo5wAdT/y6v0mKV0U2w0WZ2YB/++Tpockg=
    github.com ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAIOMqqnkVzrm0SdG \
6UOoqKLsabgH5C9okWi0dh2l9GKJl
  '')
]
```

Declared by:

<nixpkgs/nixos/modules/programs/ssh.nix>

programs.ssh.macs

Specifies the MAC (message authentication code) algorithms in order of preference. The MAC algorithm is used for data integrity protection.

Type: null or (list of string)

Default:

```
null
```

Example:

```
[
  "hmac-sha2-512-etm@openssh.com"
  "hmac-sha1"
]
```

Declared by:

<nixpkgs/nixos/modules/programs/ssh.nix>

programs.ssh.pubkeyAcceptedKeyTypes

Specifies the key lib.types that will be used for public key authentication.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "ssh-ed25519"
  "ssh-rsa"
]
```

Declared by:

<nixpkgs/nixos/modules/programs/ssh.nix>

programs.ssh.setXAuthLocation

Whether to set the path to **xauth** for X11-forwarded connections. This causes a dependency on X11 packages.

Type: boolean

Declared by:
<nixpkgs/nixos/modules/programs/ssh.nix>

programs.ssh.startAgent
Whether to start the OpenSSH agent when you log in. The OpenSSH agent remembers private keys for you so that you don't have to type in passphrases every time you make an SSH connection. Use **ssh−add** to add a key to the agent.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/ssh.nix>

programs.ssh.systemd−ssh−proxy.enable
Whether to enable systemd's ssh proxy plugin. See **systemd−ssh−proxy**(1).

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/ssh.nix>

programs.starship.enable
Whether to enable the Starship shell prompt.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/starship.nix>

programs.starship.package
The starship package to use.

Type: package

Default:

```
pkgs.starship
```

Declared by:
<nixpkgs/nixos/modules/programs/starship.nix>

programs.starship.interactiveOnly
Whether to enable starship only when the shell is interactive. Some plugins require this to be set to false to function correctly .

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/starship.nix>

programs.starship.presets
Presets files to be merged with settings in order.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "nerd-font-symbols"
]
```

Declared by:
<nixpkgs/nixos/modules/programs/starship.nix>

programs.starship.settings
Configuration included in *starship.toml*.

See **https://starship.rs/config/#prompt** for documentation.

Type: TOML value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/programs/starship.nix>

programs.starship.transientPrompt.enable
Whether to enable Starship's **transient prompt** feature in 'fish' shells. After a command has been entered, Starship replaces the usual prompt with the terminal output of the commands defined in the 'programs.starship.transientPrompt.left' and 'programs.starship.transientPrompt.right' options.

This option only works with 'fish', as 'bash' requires a **custom configuration** involving **Ble.sh**, which can be enabled with 'programs.bash.blesh.enable', but not configured using NixOS .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/starship.nix>

programs.starship.transientPrompt.left
Fish code composing the body of the 'starship_transient_prompt_func' function. The output of this code will become the left side of the transient prompt.

Not setting this option (or setting it to 'null') will prevent the 'starship_transient_prompt_func' function from being generated. By default, the left prompt is a bold−green '❯' character.

Type: null or Fish shell code concatenated with "\n"

Default:

```
null
```

Example:

```
"starship module character"
```

Declared by:
<nixpkgs/nixos/modules/programs/starship.nix>

programs.starship.transientPrompt.right
Fish code composing the body of the ‘starship_transient_rprompt_func’ function. The output of this code will become the right side of the transient prompt.

Not setting this option (or setting it to ‘null’) will prevent the ‘starship_transient_rprompt_func’ function from being generated. By default, the right prompt is empty.

Type: null or Fish shell code concatenated with “\n”

Default:

```
null
```

Example:

```
"starship module time"
```

Declared by:
<nixpkgs/nixos/modules/programs/starship.nix>

programs.steam.enable
Whether to enable steam.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/steam.nix>

programs.steam.package
The Steam package to use. Additional libraries are added from the system configuration to ensure graphics work properly.

Use this option to customise the Steam package rather than adding your custom Steam to **environment.systemPackages** yourself.

Type: package

Default:

```
pkgs.steam
```

Example:

```
pkgs.steam.override {
  extraEnv = {
    MANGOHUD = true;
    OBS_VKCAPTURE = true;
    RADV_TEX_ANISO = 16;
  };
  extraLibraries = p: with p; [
    atk
  ];
```

```
}
```

Declared by:
<nixpkgs/nixos/modules/programs/steam.nix>

programs.steam.dedicatedServer.openFirewall
Open ports in the firewall for Source Dedicated Server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/steam.nix>

programs.steam.extest.enable
Whether to enable Load the extest library into Steam, to translate X11 input events to uinput events (e.g. for using Steam Input on Wayland) .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/steam.nix>

programs.steam.extraCompatPackages
Extra packages to be used as compatibility tools for Steam on Linux. Packages will be included in the 'STEAM_EXTRA_COMPAT_TOOLS_PATHS' environmental variable. For more information see https://github.com/ValveSoftware/steam−for−linux/issues/6310.

These packages must be Steam compatibility tools that have a 'steamcompattool' output.

Type: list of package

Default:

```
[ ]
```

Example:

```
with pkgs; [
  proton-ge-bin
]
```

Declared by:
<nixpkgs/nixos/modules/programs/steam.nix>

programs.steam.extraPackages
Additional packages to add to the Steam environment.

Type: list of package

Default:

```
[ ]
```

Example:

```
with pkgs; [
  gamescope
```

```
]
```

Declared by:
<nixpkgs/nixos/modules/programs/steam.nix>

programs.steam.fontPackages
Font packages to use in Steam.

Defaults to system fonts, but could be overridden to use other fonts — useful for users who would like to customize CJK fonts used in Steam. According to the **upstream issue**, Steam only follows the per−user fontconfig configuration.

Type: list of package

Default:

```
builtins.filter lib.types.package.check config.fonts.packages
```

Example:

```
with pkgs; [ source−han−sans ]
```

Declared by:
<nixpkgs/nixos/modules/programs/steam.nix>

programs.steam.gamescopeSession
Run a GameScope driven Steam session from your display−manager

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/programs/steam.nix>

programs.steam.gamescopeSession.enable
Whether to enable GameScope Session.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/steam.nix>

programs.steam.gamescopeSession.args
Arguments to be passed to GameScope for the session.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/programs/steam.nix>

programs.steam.gamescopeSession.env
Environmental variables to be passed to GameScope for the session.

Type: attribute set of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/programs/steam.nix>

programs.steam.gamescopeSession.steamArgs
Arguments to be passed to Steam for the session.

Type: list of string

Default:

```
[
  "-tenfoot"
  "-pipewire-dmabuf"
]
```

Declared by:
<nixpkgs/nixos/modules/programs/steam.nix>

programs.steam.localNetworkGameTransfers.openFirewall
Open ports in the firewall for Steam Local Network Game Transfers.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/steam.nix>

programs.steam.protontricks.enable
Whether to enable protontricks, a simple wrapper for running Winetricks commands for Proton−enabled games.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/steam.nix>

programs.steam.protontricks.package
The protontricks package to use.

Type: package

Default:

```
pkgs.protontricks
```

Declared by:
<nixpkgs/nixos/modules/programs/steam.nix>

programs.steam.remotePlay.openFirewall
Open ports in the firewall for Steam Remote Play.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/steam.nix>

programs.streamcontroller.enable
Whether to enable StreamController.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/streamcontroller.nix>

programs.streamcontroller.package
The StreamController package to use

Type: package

Default:

```
pkgs.streamcontroller
```

Declared by:
<nixpkgs/nixos/modules/programs/streamcontroller.nix>

programs.streamdeck−ui.enable
Whether to enable streamdeck−ui.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/streamdeck−ui.nix>

programs.streamdeck−ui.package
The streamdeck−ui package to use.

Type: package

Default:

```
pkgs.streamdeck−ui
```

Declared by:
<nixpkgs/nixos/modules/programs/streamdeck−ui.nix>

programs.streamdeck−ui.autoStart

Whether streamdeck−ui should be started automatically.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/streamdeck−ui.nix>

programs.sway.enable

Whether to enable Sway, the i3−compatible tiling Wayland compositor. You can manually launch Sway by executing “exec sway” on a TTY. Copy /etc/sway/config to ~/.config/sway/config to modify the default configuration. See **https://github.com/swaywm/sway/wiki** and “man 5 sway” for more information.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/wayland/sway.nix>

programs.sway.package

The sway package to use. If the package is not overridable with ‘extraSessionCommands’, ‘extraOptions’, ‘withBaseWrapper’, ‘withGtkWrapper’, ‘enableXWayland’ and ‘isNixOS’, then the module options **wrapperFeatures**, **extraSessionCommands**, **extraOptions** and **xwayland** will have no effect.

Set to ‘null’ to not add any Sway package to your path. This should be done if you want to use the Home Manager Sway module to install Sway.

Type: null or package

Default:

```
pkgs.sway
```

Declared by:

<nixpkgs/nixos/modules/programs/wayland/sway.nix>

programs.sway.extraOptions

Command line arguments passed to launch Sway. Please DO NOT report issues if you use an unsupported GPU (proprietary drivers).

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--verbose"
  "--debug"
  "--unsupported-gpu"
]
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/sway.nix>

programs.sway.extraPackages
Extra packages to be installed system wide. See **https://github.com/swaywm/sway/wiki/Useful−add−ons−for−sway** and **https://github.com/swaywm/sway/wiki/i3−Migration−Guide#common−x11−apps−used−on−i3−with−wayland−alternatives** for a list of useful software.

Type: list of package

Default:

```
with pkgs; [ brightnessctl foot grim pulseaudio swayidle swaylock w \
menu ];
```

Example:

```
with pkgs; [ i3status i3status−rust termite rofi light ]
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/sway.nix>

programs.sway.extraSessionCommands
Shell commands executed just before Sway is started. See **https://github.com/swaywm/sway/wiki/Running−programs−natively−under−wayland** and **https://github.com/swaywm/wlroots/blob/master/docs/env_vars.md** for some useful environment variables.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
# SDL:
export SDL_VIDEODRIVER=wayland
# QT (needs qt5.qtwayland in systemPackages):
export QT_QPA_PLATFORM=wayland−egl
export QT_WAYLAND_DISABLE_WINDOWDECORATION="1"
# Fix for some Java AWT applications (e.g. Android Studio),
# use this if they aren’t displayed properly:
export _JAVA_AWT_WM_NONREPARENTING=1
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/sway.nix>

programs.sway.wrapperFeatures.base
Whether to enable the base wrapper to execute extra session commands and prepend a dbus−run−session to the sway command.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/sway.nix>

programs.sway.wrapperFeatures.gtk

Whether to enable the wrapGAppsHook wrapper to execute sway with required environment variables for GTK applications.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/wayland/sway.nix>

programs.sway.xwayland.enable

Whether to enable XWayland.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/wayland/sway.nix>

programs.sysdig.enable

Whether to enable sysdig, a tracing tool.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/sysdig.nix>

programs.system−config−printer.enable

Whether to enable system−config−printer, a Graphical user interface for CUPS administration.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/system−config−printer.nix>

programs.systemtap.enable

Install **systemtap** along with necessary kernel options.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/programs/systemtap.nix>

programs.tcpdump.enable

Whether to configure a setcap wrapper for tcpdump. To use it, add your user to the ‘pcap’ group.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/programs/tcpdump.nix>

programs.television.enable

Whether to enable Blazingly fast general purpose fuzzy finder TUI.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/television.nix>

programs.television.enableBashIntegration

Whether to enable Bash integration.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/television.nix>

programs.television.enableFishIntegration

Whether to enable Fish integration.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/television.nix>

programs.television.enableZshIntegration
Whether to enable Zsh integration.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/television.nix>

programs.television.package
The television package to use.

Type: package

Default:

```
pkgs.television
```

Declared by:
<nixpkgs/nixos/modules/programs/television.nix>

programs.throne.enable
Whether to enable Throne, a GUI proxy configuration manager.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/throne.nix>

programs.throne.package
The throne package to use.

Type: package

Default:

```
pkgs.throne
```

Declared by:
<nixpkgs/nixos/modules/programs/throne.nix>

programs.throne.tunMode.enable
Whether to enable TUN mode of Throne.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/throne.nix>

programs.throne.tunMode.setuid
Whether to enable setting suid bit for throne−core to run as root, which is less secure than default setcap method but closer to upstream assumptions. Enable this if you find the default setcap method configured in this module doesn't work for you .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/throne.nix>

programs.thunar.enable
Whether to enable Thunar, the Xfce file manager.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/thunar.nix>

programs.thunar.plugins
List of thunar plugins to install.

Type: list of package

Default:

```
[ ]
```

Example:

```
with pkgs; [ thunar−archive−plugin thunar−volman ]
```

Declared by:
<nixpkgs/nixos/modules/programs/thunar.nix>

programs.thunderbird.enable
Whether to enable Thunderbird mail client.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/thunderbird.nix>

programs.thunderbird.package

The thunderbird package to use.

Type: package

Default:

```
pkgs.thunderbird
```

Declared by:

<nixpkgs/nixos/modules/programs/thunderbird.nix>

programs.thunderbird.policies

Group policies to install.

See **Thunderbird's documentation** for a list of available options.

This can be used to install extensions declaratively! Check out the documentation of the 'ExtensionSettings' policy for details.

Type: JSON value

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/programs/thunderbird.nix>

programs.thunderbird.preferences

Preferences to set from 'about:config'.

Some of these might be able to be configured more ergonomically using policies.

Type: attribute set of (boolean or signed integer or string)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/programs/thunderbird.nix>

programs.thunderbird.preferencesStatus

The status of 'thunderbird.preferences'.

'status' can assume the following values:

- '"default"': Preferences appear as default.
- '"locked"': Preferences appear as default and can't be changed.
- '"user"': Preferences appear as changed.
- '"clear"': Value has no effect. Resets to factory defaults on each startup.

Type: one of "default", "locked", "user", "clear"

Default:

```
"locked"
```

Declared by:

<nixpkgs/nixos/modules/programs/thunderbird.nix>

programs.tmux.enable

Whenever to configure **tmux** system−wide.

Type: boolean

Default:

```
false
```

Related packages:

- ‘pkgs.tmux’

Declared by:
<nixpkgs/nixos/modules/programs/tmux.nix>

programs.tmux.package
The tmux package to use.

Type: package

Default:

```
pkgs.tmux
```

Declared by:
<nixpkgs/nixos/modules/programs/tmux.nix>

programs.tmux.aggressiveResize
Resize the window to the size of the smallest session for which it is the current window.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/tmux.nix>

programs.tmux.baseIndex
Base index for windows and panes.

Type: signed integer

Default:

Example:

```
1
```

Declared by:
<nixpkgs/nixos/modules/programs/tmux.nix>

programs.tmux.clock24
Use 24 hour clock.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/tmux.nix>

programs.tmux.customPaneNavigationAndResize
Override the hjkl and HJKL bindings for pane navigation and resizing in VI mode.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/tmux.nix>

programs.tmux.escapeTime

Time in milliseconds for which tmux waits after an escape is input.

Type: signed integer

Default:

```
500
```

Example:

Declared by:

<nixpkgs/nixos/modules/programs/tmux.nix>

programs.tmux.extraConfig

Additional contents of /etc/tmux.conf, to be run after sourcing plugins.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/programs/tmux.nix>

programs.tmux.extraConfigBeforePlugins

Additional contents of /etc/tmux.conf, to be run before sourcing plugins.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/programs/tmux.nix>

programs.tmux.historyLimit

Maximum number of lines held in window history.

Type: signed integer

Default:

```
2000
```

Example:

```
5000
```

Declared by:

<nixpkgs/nixos/modules/programs/tmux.nix>

programs.tmux.keyMode

VI or Emacs style shortcuts.

Type: one of “emacs”, “vi”

Default:

```
"emacs"
```

Example:

```
"vi"
```

Declared by:
<nixpkgs/nixos/modules/programs/tmux.nix>

programs.tmux.newSession
Automatically spawn a session if trying to attach and none are running.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/tmux.nix>

programs.tmux.plugins
List of plugins to install.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.tmuxPlugins.nord ]
```

Declared by:
<nixpkgs/nixos/modules/programs/tmux.nix>

programs.tmux.resizeAmount
Number of lines/columns when resizing.

Type: signed integer

Default:

```
5
```

Example:

```
10
```

Declared by:
<nixpkgs/nixos/modules/programs/tmux.nix>

programs.tmux.reverseSplit
Reverse the window split shortcuts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/tmux.nix>

programs.tmux.secureSocket
Store tmux socket under /run, which is more secure than /tmp, but as a downside it doesn’t survive user logout.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/tmux.nix>

programs.tmux.shortcut
Ctrl following by this key is used as the main shortcut.

Type: string

Default:

```
"b"
```

Example:

```
"a"
```

Declared by:
<nixpkgs/nixos/modules/programs/tmux.nix>

programs.tmux.terminal
Set the $TERM variable. Use tmux−direct if italics or 24bit true color support is needed.

Type: string

Default:

```
"screen"
```

Example:

```
"screen-256color"
```

Declared by:
<nixpkgs/nixos/modules/programs/tmux.nix>

programs.tmux.withUtempter
Whether to enable libutempter for tmux. This is required so that tmux can write to /var/run/utmp (which can be queried with ‘who’ to display currently connected user sessions). Note, this will add a guid wrapper for the group utmp!

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/tmux.nix>

programs.traceroute.enable
Whether to configure a setcap wrapper for traceroute.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/traceroute.nix>

programs.trippy.enable
Whether to enable trippy, a network diagnostic tool.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/trippy.nix>

programs.tsmClient.enable
Whether to enable IBM Storage Protect (Tivoli Storage Manager, TSM) client command line applications with a client system−options file “dsm.sys” .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/tsm−client.nix>

programs.tsmClient.package
The tsm−client package to use. It will be used with ‘.override’ to add paths to the client system−options file.

Type: package

Default:

```
pkgs.tsm−client
```

Example:

```
tsm−client−withGui
```

Declared by:
<nixpkgs/nixos/modules/programs/tsm−client.nix>

programs.tsmClient.defaultServername
If multiple server stanzas are declared with **programs.tsmClient.servers**, this option may be used to name a default server stanza that IBM TSM uses in the absence of a user−defined *dsm.opt* file. This option translates to a ‘defaultserver’ configuration line.

Type: null or string matching the pattern [^[:space:]]{1,64}

Default:

```
null
```

Example:

```
"mainTsmServer"
```

Declared by:
<nixpkgs/nixos/modules/programs/tsm−client.nix>

programs.tsmClient.dsmSysText
This configuration key contains the effective text of the client system−options file “dsm.sys”. It should not be changed, but may be used to feed the configuration into other TSM−depending packages used on the system.

Type: strings concatenated with “\n” *(read only)*

Declared by:
<nixpkgs/nixos/modules/programs/tsm−client.nix>

programs.tsmClient.servers
Server definitions (“stanzas”) for the client system−options file. The name of each entry will be used for the internal ‘servername’ by default. Each attribute will be transformed into a line with a key−value pair within the server’s stanza. Integers as values will be canonically turned into strings. The boolean value ‘true’ will be turned into a line with just the attribute’s name. The value ‘null’ will not generate a line. A list as values generates an entry for each value, according to the rules above.

Type: attribute set of (open submodule of attribute set of (one of true, <null> or signed integer or absolute path or (optionally newline−terminated) single−line string or list of (one of true, <null> or signed integer or absolute path or (optionally newline−terminated) single−line string)))

Default:

```
{ }
```

Example:

```
{
  mainTsmServer = {
    compression = "yes";
    nodename = "MY−TSM−NODE";
    tcpserveraddress = "tsmserver.company.com";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/programs/tsm−client.nix>

programs.tsmClient.servers.<name>.genPasswd
Whether to enable automatic client password generation. This option does *not* cause a line in *dsm.sys* by itself, but generates a corresponding ‘passwordaccess’ directive. The password will be stored in the directory given by the option **passworddir**. *Caution*: If this option is enabled and the server forces to renew the password (e.g. on first connection), a random password will be generated and stored .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/tsm−client.nix>

programs.tsmClient.servers.<name>.inclexcl
Text lines with ‘include.*’ and ‘exclude.*’ directives to be used when sending files to the IBM TSM server, or an absolute path pointing to a file with such lines.

Type: (null or absolute path) or strings concatenated with “\n” convertible to it

Default:

```
null
```

Example:

```
  exclude.dir     /nix/store
  include.encrypt /home/.../*
```

Declared by:
<nixpkgs/nixos/modules/programs/tsm−client.nix>

programs.tsmClient.servers.<name>.nodename
Target node name on the IBM TSM server.

Type: non−empty string

Example:

```
"MY−TSM−NODE"
```

Declared by:
<nixpkgs/nixos/modules/programs/tsm−client.nix>

programs.tsmClient.servers.<name>.passworddir
Directory that holds the TSM node's password information.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/home/alice/tsm−password"
```

Declared by:
<nixpkgs/nixos/modules/programs/tsm−client.nix>

programs.tsmClient.servers.<name>.servername
Local name of the IBM TSM server, must not contain space or more than 64 chars.

Type: string matching the pattern [^[:space:]]{1,64}

Default:

```
"‹name›"
```

Example:

```
"mainTsmServer"
```

Declared by:
<nixpkgs/nixos/modules/programs/tsm−client.nix>

programs.tsmClient.servers.<name>.tcpport
TCP port of the IBM TSM server. TSM does not support ports above 32767.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
1500
```

Declared by:
<nixpkgs/nixos/modules/programs/tsm−client.nix>

programs.tsmClient.servers.<name>.tcpserveraddress
Host/domain name or IP address of the IBM TSM server.

Type: non−empty string

Example:

```
"tsmserver.company.com"
```

Declared by:
<nixpkgs/nixos/modules/programs/tsm−client.nix>

programs.tsmClient.wrappedPackage
The tsm−client package to use. This option is to provide the effective derivation, wrapped with the path to the client system−options file “dsm.sys”. It should not be changed, but exists for other modules that want to call TSM executables.

Type: package *(read only)*

Declared by:
<nixpkgs/nixos/modules/programs/tsm−client.nix>

programs.turbovnc.ensureHeadlessSoftwareOpenGL
Whether to set up NixOS such that TurboVNC’s built−in software OpenGL implementation works.

This will enable **hardware.graphics.enable** so that OpenGL programs can find Mesa’s llvmpipe drivers.

Setting this option to ‘false’ does not mean that software OpenGL won’t work; it may still work depending on your system configuration.

This option is also intended to generate warnings if you are using some configuration that’s incompatible with using headless software OpenGL in TurboVNC.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/turbovnc.nix>

programs.tuxclocker.enable
Whether to enable TuxClocker, a hardware control and monitoring program .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tuxclocker.nix>

programs.tuxclocker.enabledNVIDIADevices
Enable NVIDIA GPU controls for a device by index. Sets the ‘Coolbits’ Xorg option to enable all TuxClocker controls.

Type: list of signed integer

Default:

```
[ ]
```

Example:

```
[
  0
  1
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tuxclocker.nix>

programs.tuxclocker.useUnfree
Whether to use components requiring unfree dependencies. Disabling this allows you to get everything from the binary cache.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tuxclocker.nix>

programs.udevil.enable
Whether to enable udevil, to mount filesystems without password.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/udevil.nix>

programs.usbtop.enable
Whether to enable usbtop and required kernel module, to show estimated USB bandwidth.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/usbtop.nix>

programs.uwsm.enable
Whether to enable uwsm, which wraps standalone Wayland compositors with a set of Systemd units on the fly. This essentially binds the wayland compositor into ‘graphical−session−pre.target’, ‘graphical−session.target’, ‘xdg−desktop−autostart.target’.

This is useful for Wayland compositors like Hyprland, Sway, Wayfire, etc. that do not start these targets and services on their own.

Note
You must configure ‘waylandCompositors’ suboptions as well so that UWSM knows which compositors to manage.

Additionally, this by default uses ‘dbus−broker’ as the dbus implementation for better compatibility. If you dislike this behavior you can set ‘services.dbus.implementation = lib.mkForce "dbus"’ in your configuration.

If you are having trouble starting a service that depends on ‘graphical−session.target’, while using a WM,

enabling this option might help .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/uwsm.nix>

programs.uwsm.package
The uwsm package to use.

Type: package

Default:

```
pkgs.uwsm
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/uwsm.nix>

programs.uwsm.waylandCompositors
Configuration for UWSM−managed Wayland Compositors. This creates a desktop entry file which will be used by Display Managers like GDM, to allow starting the UWSM managed session.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
hyprland = {
  prettyName = "Hyprland";
  comment = "Hyprland compositor managed by UWSM";
  binPath = "/run/current−system/sw/bin/Hyprland";
};
sway = {
  prettyName = "Sway";
  comment = "Sway compositor managed by UWSM";
  binPath = "/run/current−system/sw/bin/sway";
};
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/uwsm.nix>

programs.uwsm.waylandCompositors.<name>.binPath
The wayland−compositor binary path that will be called by UWSM.

It is recommended to use the ‘/run/current−system/sw/bin/’ path instead of ‘lib.getExe pkgs.<compositor>’ to avoid version mismatch of the compositor used by UWSM and the one installed in the system.

Type: absolute path

Example:

```
"/run/current−system/sw/bin/ExampleCompositor"
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/uwsm.nix>

programs.uwsm.waylandCompositors.<name>.comment
The comment field of the desktop entry file.

Type: string

Default:

```
"An intelligent Wayland compositor managed by UWSM."
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/uwsm.nix>

programs.uwsm.waylandCompositors.<name>.extraArgs
Extra command−line arguments pass to to the compsitor.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/uwsm.nix>

programs.uwsm.waylandCompositors.<name>.prettyName
The full name of the desktop entry file.

Type: string

Example:

```
"ExampleWaylandCompositor"
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/uwsm.nix>

programs.vim.enable
Whether to enable Vi IMproved, an advanced text editor.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/vim.nix>

programs.vim.package
The vim package to use.

Type: package

Default:

```
pkgs.vim
```

Example:

```
pkgs.vim-full
```

Declared by:
<nixpkgs/nixos/modules/programs/vim.nix>

programs.vim.defaultEditor
Whether to enable vim as the default editor.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/vim.nix>

programs.virt−manager.enable
Whether to enable virt−manager, an UI for managing virtual machines in libvirt.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/virt−manager.nix>

programs.virt−manager.package
The virt−manager package to use.

Type: package

Default:

```
pkgs.virt−manager
```

Declared by:
<nixpkgs/nixos/modules/programs/virt−manager.nix>

programs.vivid.enable
Whether to configure LS_COLORS with vivid.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/vivid.nix>

programs.vivid.package
The vivid package to use.

Type: package

Default:

```
pkgs.vivid
```

Example:

```
vivid
```

Declared by:
<nixpkgs/nixos/modules/programs/vivid.nix>

programs.vivid.theme
Theme to be used (see ‘vivid themes’)

Type: string

Default:

```
"gruvbox-dark-soft"
```

Example:

```
"solarized-dark"
```

Declared by:
<nixpkgs/nixos/modules/programs/vivid.nix>

programs.vscode.enable
Whether to enable VSCode editor.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/vscode.nix>

programs.vscode.package
The vscode package to use. The final package will be customized with extensions from **programs.vscode.extensions**

Type: package

Default:

```
pkgs.vscode
```

Declared by:
<nixpkgs/nixos/modules/programs/vscode.nix>

programs.vscode.defaultEditor
When enabled, configures VSCode to be the default editor using the EDITOR environment variable.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/vscode.nix>

programs.vscode.extensions

List of extensions to install.

Type: list of package

Default:

```
[ ]
```

Example:

```
with pkgs.vscode-extensions; [
  bbenoist.nix
  golang.go
  twxs.cmake
]
```

Declared by:

<nixpkgs/nixos/modules/programs/vscode.nix>

programs.wavemon.enable

Whether to add wavemon to the global environment and configure a setcap wrapper for it.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/programs/wavemon.nix>

programs.waybar.enable

Whether to enable waybar, a highly customizable Wayland bar for Sway and Wlroots based compositors.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/wayland/waybar.nix>

programs.waybar.package

The waybar package to use.

Type: package

Default:

```
pkgs.waybar
```

Declared by:

<nixpkgs/nixos/modules/programs/wayland/waybar.nix>

programs.waybar.systemd.target

The systemd target that will automatically start the Waybar service.

Type: string

Default:

```
"graphical-session.target"
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/waybar.nix>

programs.wayfire.enable
Whether to enable Wayfire, a wayland compositor based on wlroots.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/wayfire.nix>

programs.wayfire.package
The wayfire package to use.

Type: package

Default:

```
pkgs.wayfire
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/wayfire.nix>

programs.wayfire.plugins
Additional plugins to use with the wayfire window manager.

Type: list of package

Default:

```
with pkgs.wayfirePlugins; [ wcm wf-shell ]
```

Example:

```
with pkgs.wayfirePlugins; [
  wcm
  wf-shell
  wayfire-plugins-extra
];
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/wayfire.nix>

programs.wayfire.xwayland.enable
Whether to enable XWayland.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/wayland/wayfire.nix>

programs.wayland.miracle−wm.enable

Whether to enable miracle−wm, a tiling Mir based Wayland compositor. You can manually launch miracle−wm by executing “exec miracle−wm” on a TTY, or launch it from a display manager. Consult the USERGUIDE.md at **https://github.com/mattkae/miracle−wm** for information on how to use & configure it .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/wayland/miracle−wm.nix>

programs.wayvnc.enable

Whether to enable wayvnc, VNC server for wlroots based Wayland compositors.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/wayland/wayvnc.nix>

programs.wayvnc.package

The wayvnc package to use.

Type: package

Default:

```
pkgs.wayvnc
```

Declared by:

<nixpkgs/nixos/modules/programs/wayland/wayvnc.nix>

programs.weylus.enable

Whether to enable weylus, which turns your smart phone into a graphic tablet/touch screen for your computer.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/weylus.nix>

programs.weylus.package
The weylus package to use.

Type: package

Default:

```
pkgs.weylus
```

Declared by:
<nixpkgs/nixos/modules/programs/weylus.nix>

programs.weylus.openFirewall
Open ports needed for the functionality of the program.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/weylus.nix>

programs.weylus.users
To enable stylus and multi−touch support, the user you're going to use must be added to this list. These users can synthesize input events system−wide, even when another user is logged in − untrusted users should not be added.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/programs/weylus.nix>

programs.whois.enable
Whether to enable whois, an intelligent WHOIS client.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/whois.nix>

programs.whois.package
The whois package to use.

Type: package

Default:

```
pkgs.whois
```

Declared by:
<nixpkgs/nixos/modules/programs/whois.nix>

programs.whois.settings

WHOIS configuration entries written to */etc/whois.conf*.

Entries are written in the declared order, which matters when multiple patterns may match the same query.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    pattern = "\\.dn42$";
    server = "whois.dn42";
  }
  {
    pattern = "\\-DN42$";
    server = "whois.dn42";
  }
  {
    pattern = "^as424242[0-9]{4}$";
    server = "whois.dn42";
  }
  {
    pattern = "^172\\.2[0-3]\\.[0-9]{1,3}\\.[0-9]{1,3}( \
/(1[56789]|2[0-9]|3[012]))?$";
    server = "whois.dn42";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/programs/whois.nix>

programs.whois.settings.*.pattern

Case−insensitive extended regular expression used to match the WHOIS object identifier.

Type: string

Example:

```
"\\.dn42$"
```

Declared by:

<nixpkgs/nixos/modules/programs/whois.nix>

programs.whois.settings.*.server

WHOIS server to use when **pattern** matches.

Type: string

Example:

```
"whois.dn42"
```

Declared by:

<nixpkgs/nixos/modules/programs/whois.nix>

programs.winbox.enable

Whether to enable MikroTik Winbox.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/winbox.nix>

programs.winbox.package

The winbox package to use.

Type: package

Default:

```
pkgs.winbox
```

Declared by:

<nixpkgs/nixos/modules/programs/winbox.nix>

programs.winbox.openFirewall

Whether to open ports for the MikroTik Neighbor Discovery protocol. Required for Winbox neighbor discovery.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/programs/winbox.nix>

programs.wireshark.enable

Whether to add Wireshark to the global environment and create a ‘wireshark’ group. To configure what users can capture, set the ‘dumpcap.enable’ and ‘usbmon.enable’ options. By default, users in the ‘wireshark’ group are allowed to capture network traffic but not USB traffic.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/programs/wireshark.nix>

programs.wireshark.package

The wireshark−cli package to use.

Type: package

Default:

```
pkgs.wireshark-cli
```

Example:

```
wireshark
```

Declared by:
<nixpkgs/nixos/modules/programs/wireshark.nix>

programs.wireshark.dumpcap.enable
Whether to allow users in the ‘wireshark’ group to capture network traffic. This configures a setcap wrapper for ‘dumpcap’ for users in the ‘wireshark’ group.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/wireshark.nix>

programs.wireshark.usbmon.enable
Whether to allow users in the ‘wireshark’ group to capture USB traffic. This adds udev rules to give users in the ‘wireshark’ group read permissions to all devices in the usbmon subsystem.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/wireshark.nix>

programs.wshowkeys.enable
Whether to enable wshowkeys (displays keypresses on screen on supported Wayland compositors). It requires root permissions to read input events, but these permissions are dropped after startup.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/wshowkeys.nix>

programs.wshowkeys.package
The wshowkeys package to use.

Type: package

Default:

```
pkgs.wshowkeys
```

Declared by:
<nixpkgs/nixos/modules/programs/wshowkeys.nix>

programs.xastir.enable
Whether to enable Xastir Graphical APRS client.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/xastir.nix>

programs.xfconf.enable
Whether to enable Xfconf, the Xfce configuration storage system.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/xfconf.nix>

programs.xfs_quota.projects
Setup of xfs_quota projects. Make sure the filesystem is mounted with the pquota option.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  projname = {
    id = 50;
    path = "/xfsprojects/projname";
    sizeHardLimit = "50g";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/programs/xfs_quota.nix>

programs.xfs_quota.projects.<name>.fileSystem
XFS filesystem hosting the xfs_quota project.

Type: string

Default:

```
"/"
```

Declared by:
<nixpkgs/nixos/modules/programs/xfs_quota.nix>

programs.xfs_quota.projects.<name>.id
Project ID.

Type: signed integer

Declared by:
<nixpkgs/nixos/modules/programs/xfs_quota.nix>

programs.xfs_quota.projects.<name>.path
Project directory.

Type: string

Declared by:
<nixpkgs/nixos/modules/programs/xfs_quota.nix>

programs.xfs_quota.projects.<name>.sizeHardLimit
Hard limit of the project size.

Type: null or string

Default:

```
null
```

Example:

```
"50g"
```

Declared by:
<nixpkgs/nixos/modules/programs/xfs_quota.nix>

programs.xfs_quota.projects.<name>.sizeSoftLimit
Soft limit of the project size

Type: null or string

Default:

```
null
```

Example:

```
"30g"
```

Declared by:
<nixpkgs/nixos/modules/programs/xfs_quota.nix>

programs.xonsh.enable
Whether to configure xonsh as an interactive shell.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/xonsh.nix>

programs.xonsh.package
The xonsh package to use. The argument ‘extraPackages’ of this package will be overridden by the option ‘programs.xonsh.extraPackages’.

Type: package

Default:

```
pkgs.xonsh
```

Declared by:
<nixpkgs/nixos/modules/programs/xonsh.nix>

programs.xonsh.bashCompletion.enable
Whether to enable bash completions for xonsh.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/xonsh.nix>

programs.xonsh.bashCompletion.package
The bash−completion package to use.

Type: package

Default:

```
pkgs.bash-completion
```

Declared by:
<nixpkgs/nixos/modules/programs/xonsh.nix>

programs.xonsh.config
Extra text added to the end of '/etc/xonsh/xonshrc', the system−wide control file for xonsh.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/programs/xonsh.nix>

programs.xonsh.extraPackages
Xontribs and extra Python packages to be available in xonsh.

Type: (function that evaluates to a(n) list of package) or (list of package) convertible to it

Default:

```
ps: [ ]
```

Example:

```
ps: with ps; [ numpy xonsh.xontribs.xontrib-vox ]
```

Declared by:
<nixpkgs/nixos/modules/programs/xonsh.nix>

programs.xppen.enable
Whether to enable XPPen PenTablet application.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/xppen.nix>

programs.xppen.package
The xppen_4 package to use. Use xppen_4 for newer and xppen_3 for older tablets. To check which version of the driver you need, go to https://www.xp−pen.com/download/ then select your tablet and look for the major version in the available files for Linux.

Type: package

Default:

```
pkgs.xppen_4
```

Example:

```
pkgs.xppen_3
```

Declared by:
<nixpkgs/nixos/modules/programs/xppen.nix>

programs.xscreensaver.enable
Whether to enable all of the xscreensaver programs.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/xscreensaver/xscreensaver.nix>

programs.xscreensaver.package
The xscreensaver package to use.

Type: package

Default:

```
pkgs.xscreensaver
```

Declared by:
<nixpkgs/nixos/modules/programs/xscreensaver/xscreensaver.nix>

programs.xscreensaver.sonar.enable
Whether to enable xscreensaver.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/xscreensaver/sonar.nix>

programs.xss−lock.enable
Whether to enable xss−lock.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/xss−lock.nix>

programs.xss−lock.extraOptions

Additional command−line arguments to pass to **xss−lock**.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "−−ignore−sleep"
]
```

Declared by:

<nixpkgs/nixos/modules/programs/xss−lock.nix>

programs.xss−lock.lockerCommand

Locker to be used with xsslock

Type: strings concatenated with " "

Default:

```
"${pkgs.i3lock}/bin/i3lock"
```

Example:

```
"${pkgs.i3lock−fancy}/bin/i3lock−fancy"
```

Declared by:

<nixpkgs/nixos/modules/programs/xss−lock.nix>

programs.xwayland.enable

Whether to enable Xwayland (an X server for interfacing X11 apps with the Wayland protocol).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/xwayland.nix>

programs.xwayland.package

The Xwayland package to use.

Type: absolute path

Default:

```
pkgs.xwayland.override (oldArgs: {
  inherit (config.programs.xwayland) defaultFontPath;
})
```

Declared by:

<nixpkgs/nixos/modules/programs/xwayland.nix>

programs.xwayland.defaultFontPath

Default font path. Setting this option causes Xwayland to be rebuilt.

Type: string

Default:

```
optionalString config.fonts.fontDir.enable "/run/current-system/sw \
/share/X11/fonts"
```

Declared by:

<nixpkgs/nixos/modules/programs/xwayland.nix>

programs.yazi.enable

Whether to enable yazi terminal file manager.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/yazi.nix>

programs.yazi.package

The yazi package to use.

Type: package

Default:

```
pkgs.yazi
```

Declared by:

<nixpkgs/nixos/modules/programs/yazi.nix>

programs.yazi.flavors

Pre−made themes.

See **https://yazi−rs.github.io/docs/flavors/overview/** for documentation.

Type: attribute set of (absolute path or package)

Default:

```
{ }
```

Example:

```
{
  foo = ./foo;
  inherit (pkgs.yaziPlugins) bar;
}
```

Declared by:

<nixpkgs/nixos/modules/programs/yazi.nix>

programs.yazi.initLua

The init.lua for Yazi itself.

Type: null or absolute path

Default:

```
null
```

Example:

```
./init.lua
```

Declared by:
<nixpkgs/nixos/modules/programs/yazi.nix>

programs.yazi.plugins
Lua plugins.

See **https://yazi-rs.github.io/docs/plugins/overview/** for documentation.

Type: attribute set of (absolute path or package)

Default:

```
{ }
```

Example:

```
{
  foo = ./foo;
  inherit (pkgs.yaziPlugins) bar;
}
```

Declared by:
<nixpkgs/nixos/modules/programs/yazi.nix>

programs.yazi.settings
Configuration included in '$YAZI_CONFIG_HOME'.

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/programs/yazi.nix>

programs.yazi.settings.keymap
Configuration included in 'keymap.toml'.

See **https://yazi-rs.github.io/docs/configuration/keymap/** for documentation.

Type: TOML value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/programs/yazi.nix>

programs.yazi.settings.theme
Configuration included in 'theme.toml'.

See **https://yazi-rs.github.io/docs/configuration/theme/** for documentation.

Type: TOML value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/programs/yazi.nix>

programs.yazi.settings.vfs
Configuration included in ‘vfs.toml’.

See **https://yazi−rs.github.io/docs/configuration/vfs/** for documentation.

Type: TOML value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/programs/yazi.nix>

programs.yazi.settings.yazi
Configuration included in ‘yazi.toml’.

See **https://yazi−rs.github.io/docs/configuration/yazi/** for documentation.

Type: TOML value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/programs/yazi.nix>

programs.ydotool.enable
Whether to enable ydotoold system service and **ydotool** for members of **programs.ydotool.group**. .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/ydotool.nix>

programs.ydotool.group
Group which users must be in to use **ydotool**.

Type: string

Default:

```
"ydotool"
```

Declared by:
<nixpkgs/nixos/modules/programs/ydotool.nix>

programs.yubikey−manager.enable
Whether to enable yubikey−manager.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/yubikey−manager.nix>

programs.yubikey−manager.package
The yubikey−manager package to use.

Type: package

Default:

```
pkgs.yubikey−manager
```

Declared by:
<nixpkgs/nixos/modules/programs/yubikey−manager.nix>

programs.yubikey−touch−detector.enable
Whether to enable yubikey−touch−detector.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/yubikey−touch−detector.nix>

programs.yubikey−touch−detector.libnotify
If set to true, yubikey−touch−detctor will send notifications using libnotify

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/yubikey−touch−detector.nix>

programs.yubikey−touch−detector.unixSocket
If set to true, yubikey−touch−detector will send notifications to a unix socket

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/yubikey−touch−detector.nix>

programs.yubikey−touch−detector.verbose
Enables verbose logging

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/yubikey−touch−detector.nix>

programs.zmap.enable

Whether to enable ZMap, a network scanner designed for Internet−wide network surveys.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/zmap.nix>

programs.zoom−us.enable

Whether to enable zoom.us video conferencing application.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/zoom−us.nix>

programs.zoom−us.package

The zoom−us package to use.

Type: package

Default:

```
pkgs.zoom−us
```

Declared by:

<nixpkgs/nixos/modules/programs/zoom−us.nix>

programs.zoxide.enable

Whether to enable zoxide, a smarter cd command that learns your habits.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/zoxide.nix>

programs.zoxide.enableBashIntegration

Whether to enable Bash integration.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/zoxide.nix>

programs.zoxide.enableFishIntegration
Whether to enable Fish integration.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/zoxide.nix>

programs.zoxide.enableXonshIntegration
Whether to enable Xonsh integration.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/zoxide.nix>

programs.zoxide.enableZshIntegration
Whether to enable Zsh integration.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/zoxide.nix>

programs.zoxide.package
The zoxide package to use.

Type: package

Default:

```
pkgs.zoxide
```

Declared by:
<nixpkgs/nixos/modules/programs/zoxide.nix>

programs.zoxide.flags
List of flags for zoxide init

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--no-cmd"
  "--cmd j"
]
```

Declared by:
<nixpkgs/nixos/modules/programs/zoxide.nix>

programs.zsh.enable
Whether to configure zsh as an interactive shell. To enable zsh for a particular user, use the **users.users.<name?>.shell** option for that user. To enable zsh system-wide use the **users.defaultUserShell** option.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/zsh/zsh.nix>

programs.zsh.enableBashCompletion
Enable compatibility with bash's programmable completion system.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/zsh/zsh.nix>

programs.zsh.enableCompletion
Enable zsh completion for all interactive zsh shells.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/zsh/zsh.nix>

programs.zsh.enableGlobalCompInit
Enable execution of compinit call for all interactive zsh shells.

This option can be disabled if the user wants to extend its 'fpath' and a custom 'compinit' call in the local config is required.

Type: boolean

Default:

```
config.programs.zsh.enableCompletion
```

Declared by:
<nixpkgs/nixos/modules/programs/zsh/zsh.nix>

programs.zsh.enableLsColors

Enable extra colors in directory listings (used by ‘ls’ and ‘tree’).

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/zsh/zsh.nix>

programs.zsh.autosuggestions.enable

Whether to enable zsh−autosuggestions.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/zsh/zsh−autosuggestions.nix>

programs.zsh.autosuggestions.async

Whether to fetch suggestions asynchronously

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:

<nixpkgs/nixos/modules/programs/zsh/zsh−autosuggestions.nix>

programs.zsh.autosuggestions.extraConfig

Attribute set with additional configuration values

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  "ZSH_AUTOSUGGEST_BUFFER_MAX_SIZE" = "20";
}
```

Declared by:

<nixpkgs/nixos/modules/programs/zsh/zsh−autosuggestions.nix>

programs.zsh.autosuggestions.highlightStyle

Highlight style for suggestions ({fore,back}ground color)

Type: string

Default:

```
"fg=8"
```

Example:

```
"fg=cyan"
```

Declared by:

<nixpkgs/nixos/modules/programs/zsh/zsh−autosuggestions.nix>

programs.zsh.autosuggestions.strategy

‘ZSH_AUTOSUGGEST_STRATEGY’ is an array that specifies how suggestions should be generated. The strategies in the array are tried successively until a suggestion is found. There are currently three built−in strategies to choose from:

- ‘history’: Chooses the most recent match from history.
- ‘completion’: Chooses a suggestion based on what tab−completion would suggest. (requires ‘zpty’ module)
- ‘match_prev_cmd’: Like ‘history’, but chooses the most recent match whose preceding history item matches the most recently executed command. Note that this strategy won’t work as expected with ZSH options that don’t preserve the history order such as ‘HIST_IGNORE_ALL_DUPS’ or ‘HIST_EXPIRE_DUPS_FIRST’.

Type: list of (one of “history”, “completion”, “match_prev_cmd”)

Default:

```
[
  "history"
]
```

Declared by:

<nixpkgs/nixos/modules/programs/zsh/zsh−autosuggestions.nix>

programs.zsh.histFile

Change history file.

Type: string

Default:

```
"$HOME/.zsh_history"
```

Declared by:

<nixpkgs/nixos/modules/programs/zsh/zsh.nix>

programs.zsh.histSize

Change history size.

Type: signed integer

Default:

```
2000
```

Declared by:

<nixpkgs/nixos/modules/programs/zsh/zsh.nix>

programs.zsh.interactiveShellInit

Shell script code called during interactive zsh shell initialisation.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/programs/zsh/zsh.nix>

programs.zsh.loginShellInit
Shell script code called during zsh login shell initialisation.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/programs/zsh/zsh.nix>

programs.zsh.ohMyZsh.enable
Enable oh−my−zsh.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/programs/zsh/oh−my−zsh.nix>

programs.zsh.ohMyZsh.package
The oh−my−zsh package to use.

Type: package

Default:

```
pkgs.oh-my-zsh
```

Declared by:
<nixpkgs/nixos/modules/programs/zsh/oh−my−zsh.nix>

programs.zsh.ohMyZsh.cacheDir
Cache directory to be used by ‘oh−my−zsh’. Without this option it would default to the read−only nix store.

Type: string

Default:

```
"$HOME/.cache/oh-my-zsh"
```

Declared by:
<nixpkgs/nixos/modules/programs/zsh/oh−my−zsh.nix>

programs.zsh.ohMyZsh.custom
Path to a custom oh−my−zsh package to override config of oh−my−zsh. (Can’t be used along with ‘customPkgs’).

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/programs/zsh/oh−my−zsh.nix>

programs.zsh.ohMyZsh.customPkgs
List of custom packages that should be loaded into ‘oh−my−zsh’.

Type: list of package

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/programs/zsh/oh−my−zsh.nix>

programs.zsh.ohMyZsh.plugins
List of oh−my−zsh plugins

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/programs/zsh/oh−my−zsh.nix>

programs.zsh.ohMyZsh.preLoaded
Shell commands executed before the ‘oh−my−zsh’ is loaded. For example, to disable async git prompt write ‘zstyle ':omz:alpha:lib:git' async−prompt no’ (more information **https://github.com/ohmyzsh/ohmyzsh?tab=readme−ov−file#async−git−prompt**)

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/programs/zsh/oh−my−zsh.nix>

programs.zsh.ohMyZsh.theme
Name of the theme to be used by oh−my−zsh.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/programs/zsh/oh−my−zsh.nix>

programs.zsh.promptInit
Shell script code used to initialise the zsh prompt.

Type: strings concatenated with “\n”

Default:

```
  # Note that to manually override this in ~/.zshrc you should r \
un ‘prompt off‘
  # before setting your PS1 and etc. Otherwise this will likely to  \
interact with
  # your ~/.zshrc configuration in unexpected ways as the defaul \
t prompt sets
  # a lot of different prompt variables.
  autoload −U promptinit && promptinit && prompt suse && setopt pr \
ompt_sp
```

Declared by:
<nixpkgs/nixos/modules/programs/zsh/zsh.nix>

programs.zsh.setOptions
Configure zsh options. See **zshoptions**(1).

Type: list of string

Default:

```
[
  "HIST_IGNORE_DUPS"
  "SHARE_HISTORY"
  "HIST_FCNTL_LOCK"
]
```

Example:

```
[
  "EXTENDED_HISTORY"
  "RM_STAR_WAIT"
]
```

Declared by:
<nixpkgs/nixos/modules/programs/zsh/zsh.nix>

programs.zsh.shellAliases
Set of aliases for zsh shell, which overrides **environment.shellAliases**. See **environment.shellAliases** for an option format description.

Type: attribute set of (null or string or absolute path)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/programs/zsh/zsh.nix>

programs.zsh.shellInit
Shell script code called during zsh shell initialisation.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/programs/zsh/zsh.nix>

programs.zsh.syntaxHighlighting.enable
Whether to enable zsh−syntax−highlighting.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/zsh/zsh−syntax−highlighting.nix>

programs.zsh.syntaxHighlighting.highlighters
Specifies the highlighters to be used by zsh−syntax−highlighting.

The following defined options can be found here: https://github.com/zsh−users/zsh−syntax−highlighting/blob/master/docs/highlighters.md

Type: list of (one of “main”, “brackets”, “pattern”, “cursor”, “regexp”, “root”, “line”)

Default:

```
[
  "main"
]
```

Declared by:
<nixpkgs/nixos/modules/programs/zsh/zsh−syntax−highlighting.nix>

programs.zsh.syntaxHighlighting.patterns
Specifies custom patterns to be highlighted by zsh−syntax−highlighting.

Please refer to the docs for more information about the usage: https://github.com/zsh−users/zsh−syntax−highlighting/blob/master/docs/highlighters/pattern.md

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  "rm −rf *" = "fg=white,bold,bg=red";
}
```

Declared by:
<nixpkgs/nixos/modules/programs/zsh/zsh−syntax−highlighting.nix>

programs.zsh.syntaxHighlighting.styles
Specifies custom styles to be highlighted by zsh−syntax−highlighting.

Please refer to the docs for more information about the usage: https://github.com/zsh−users/zsh−syntax−highlighting/blob/master/docs/highlighters/main.md

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  "alias" = "fg=magenta,bold";
}
```

Declared by:
<nixpkgs/nixos/modules/programs/zsh/zsh−syntax−highlighting.nix>

programs.zsh.vteIntegration

Whether to enable Zsh integration for VTE terminals. This allows it to preserve the current directory of the shell across terminals.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/config/vte.nix>

programs.zsh.zsh−autoenv.enable

Whether to enable zsh−autoenv.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/programs/zsh/zsh−autoenv.nix>

programs.zsh.zsh−autoenv.package

The zsh−autoenv package to use.

Type: package

Default:

```
pkgs.zsh−autoenv
```

Declared by:

<nixpkgs/nixos/modules/programs/zsh/zsh−autoenv.nix>

qt.enable

Whether to enable Qt configuration, including theming.

Enabling this option is necessary for Qt plugins to work in the installed profiles (e.g.: ‘nix−env −i’ or ‘environment.systemPackages’).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/config/qt.nix>

qt.platformTheme

Selects the platform theme to use for Qt applications.

The options are

- ‘gnome’: Use GNOME theme with **qgnomeplatform**
- ‘gtk2’: Use GTK theme with **qtstyleplugins**
- ‘kde’: Use Qt settings from Plasma.
- ‘lxqt’: Use LXQt style set using the **lxqt−config−appearance** application.

- ‘qt5ct’: Use Qt style set using the **qt5ct** and **qt6ct** applications.

Type: null or one of “gnome”, “gtk2”, “kde”, “lxqt”, “qt5ct”

Default:

```
null
```

Example:

```
"gnome"
```

Related packages:

- ‘pkgs.qgnomeplatform’
- ‘pkgs.qgnomeplatform−qt6’
- ‘pkgs.libsForQt5.qt5ct’
- ‘pkgs.libsForQt5.qtstyleplugins’
- ‘pkgs.kdePackages.plasma−integration’
- ‘pkgs.kdePackages.systemsettings’
- ‘pkgs.lxqt.lxqt−config’
- ‘pkgs.lxqt.lxqt−qtplugin’
- ‘pkgs.qt6Packages.qt6ct’
- ‘pkgs.qt6Packages.qt6gtk2’

Declared by:
<nixpkgs/nixos/modules/config/qt.nix>

qt.style

Selects the style to use for Qt applications.

The options are

- ‘adwaita’, ‘adwaita−dark’, ‘adwaita−highcontrast’, ‘adawaita−highcontrastinverse’: Use Adwaita Qt style with **adwaita**
- ‘breeze’: Use the Breeze style from **breeze**
- ‘bb10bright’, ‘bb10dark’, ‘cleanlooks’, ‘gtk2’, ‘motif’, ‘plastique’: Use styles from **qtstyleplugins**
- ‘kvantum’: Use styles from **kvantum**

Type: null or one of “adwaita”, “adwaita−dark”, “adwaita−highcontrast”, “adwaita−highcontrastinverse”, “bb10bright”, “bb10dark”, “breeze”, “cde”, “cleanlooks”, “gtk2”, “kvantum”, “motif”, “plastique”

Default:

```
null
```

Example:

```
"adwaita"
```

Related packages:

- ‘pkgs.adwaita−qt’
- ‘pkgs.adwaita−qt6’
- ‘pkgs.libsForQt5.qtstyleplugin−kvantum’
- ‘pkgs.libsForQt5.qtstyleplugins’
- ‘pkgs.qt6Packages.qt6gtk2’
- ‘pkgs.qt6Packages.qtstyleplugin−kvantum’

Declared by:
<nixpkgs/nixos/modules/config/qt.nix>

security.enableWrappers

Whether to enable SUID/SGID wrappers.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/security/wrappers/default.nix>

security.acme.acceptTerms

Accept the CA's terms of service. The default provider is Let's Encrypt, you can find their ToS at **https://letsencrypt.org/repository/**.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/security/acme>

security.acme.certs

Attribute set of certificates to get signed and renewed. Creates 'acme−${cert}.{service,timer}' systemd units for each certificate defined here. Other services can add dependencies to those units if they rely on the certificates being present, or trigger restarts of the service if certificates get renewed.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "example.com" = {
    webroot = "/var/lib/acme/acme-challenge/";
    email = "foo@example.com";
    extraDomainNames = [ "www.example.com" "foo.example.com" ];
  };
  "bar.example.com" = {
    webroot = "/var/lib/acme/acme-challenge/";
    email = "bar@example.com";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/security/acme>

security.acme.certs.<name>.enableDebugLogs

Whether to enable debug logging for this certificate.

Type: boolean

Default:

```
config.security.acme.defaults.enableDebugLogs
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/security/acme>

security.acme.certs.<name>.credentialFiles
Environment variables suffixed by "_FILE" to set for the cert's service for your selected dnsProvider. To find out what values you need to set, consult the documentation at **https://go-acme.github.io/lego/dns/** for the corresponding dnsProvider. This allows to securely pass credential files to lego by leveraging systemd credentials.

Type: attribute set of absolute path

Default:

```
config.security.acme.defaults.credentialFiles
```

Example:

```
{
  "RFC2136_TSIG_SECRET_FILE" = "/run/secrets/tsig-secret-example. \
org";
}
```

Declared by:
<nixpkgs/nixos/modules/security/acme>

security.acme.certs.<name>.csr
Path to a certificate signing request to apply when fetching the certificate.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/security/acme>

security.acme.certs.<name>.csrKey
Path to the private key to the matching certificate signing request.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/security/acme>

security.acme.certs.<name>.directory
Directory where certificate and other state is stored.

Type: string *(read only)*

Default:

```
"/var/lib/acme/‹name›"
```

Declared by:
<nixpkgs/nixos/modules/security/acme>

security.acme.certs.<name>.dnsPropagationCheck

Toggles lego DNS propagation check, which is used alongside DNS−01 challenge to ensure the DNS entries required are available.

Type: boolean

Default:

```
config.security.acme.defaults.dnsPropagationCheck
```

Declared by:

<nixpkgs/nixos/modules/security/acme>

security.acme.certs.<name>.dnsProvider

DNS Challenge provider. For a list of supported providers, see the “code” field of the DNS providers listed at **https://go−acme.github.io/lego/dns/**.

Type: null or string

Default:

```
config.security.acme.defaults.dnsProvider
```

Example:

```
"route53"
```

Declared by:

<nixpkgs/nixos/modules/security/acme>

security.acme.certs.<name>.dnsResolver

Set the resolver to use for performing recursive DNS queries. Supported: host:port. The default is to use the system resolvers, or Google’s DNS resolvers if the system’s cannot be determined.

Type: null or string

Default:

```
config.security.acme.defaults.dnsResolver
```

Example:

```
"1.1.1.1:53"
```

Declared by:

<nixpkgs/nixos/modules/security/acme>

security.acme.certs.<name>.domain

Domain to fetch certificate for (defaults to the entry name).

Type: string

Default:

```
"‹name›"
```

Declared by:

<nixpkgs/nixos/modules/security/acme>

security.acme.certs.<name>.email

Email address for account creation and correspondence from the CA. It is recommended to use the same email for all certs to avoid account creation limits.

Type: null or string

Default:

```
config.security.acme.defaults.email
```

Declared by:
<nixpkgs/nixos/modules/security/acme>

security.acme.certs.<name>.environmentFile
Path to an EnvironmentFile for the cert's service containing any required and optional environment variables for your selected dnsProvider. To find out what values you need to set, consult the documentation at **https://go-acme.github.io/lego/dns/** for the corresponding dnsProvider.

Type: null or absolute path

Default:

```
config.security.acme.defaults.environmentFile
```

Example:

```
"/var/src/secrets/example.org-route53-api-token"
```

Declared by:
<nixpkgs/nixos/modules/security/acme>

security.acme.certs.<name>.extraDomainNames
A list of extra domain names, which are included in the one certificate to be issued.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "example.org"
  "mydomain.org"
]
```

Declared by:
<nixpkgs/nixos/modules/security/acme>

security.acme.certs.<name>.extraLegoFlags
Additional global flags to pass to all lego commands.

Type: list of string

Default:

```
config.security.acme.defaults.extraLegoFlags
```

Declared by:
<nixpkgs/nixos/modules/security/acme>

security.acme.certs.<name>.extraLegoRenewFlags
Additional flags to pass to lego renew.

Type: list of string

Default:

```
config.security.acme.defaults.extraLegoRenewFlags
```

Declared by:
<nixpkgs/nixos/modules/security/acme>

security.acme.certs.<name>.extraLegoRunFlags

Additional flags to pass to lego run.

Type: list of string

Default:

```
config.security.acme.defaults.extraLegoRunFlags
```

Declared by:

<nixpkgs/nixos/modules/security/acme>

security.acme.certs.<name>.group

Group running the ACME client.

Type: string

Default:

```
config.security.acme.defaults.group
```

Declared by:

<nixpkgs/nixos/modules/security/acme>

security.acme.certs.<name>.inheritDefaults

Whether to inherit values set in ‘security.acme.defaults’ or not.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/security/acme>

security.acme.certs.<name>.keyType

Key type to use for private keys. For an up to date list of supported values check the −−key−type option at **https://go−acme.github.io/lego/usage/cli/options/**.

Type: string

Default:

```
config.security.acme.defaults.keyType
```

Declared by:

<nixpkgs/nixos/modules/security/acme>

security.acme.certs.<name>.listenHTTP

Interface and port to listen on to solve HTTP challenges in the form ‘[INTERFACE]:PORT’. If you use a port other than 80, you must proxy port 80 to this port.

Type: null or string

Default:

```
config.security.acme.defaults.listenHTTP
```

Example:

```
":1360"
```

Declared by:
<nixpkgs/nixos/modules/security/acme>

security.acme.certs.<name>.ocspMustStaple
Turns on the OCSP Must−Staple TLS extension. Make sure you know what you're doing! See:

- **https://blog.apnic.net/2019/01/15/is−the−web−ready−for−ocsp−must−staple/**
- **https://blog.hboeck.de/archives/886−The−Problem−with−OCSP−Stapling−and−Must−Staple−and−why−Certificate−Revocation−is−still−broken.html**

Type: boolean

Default:

```
config.security.acme.defaults.ocspMustStaple
```

Declared by:
<nixpkgs/nixos/modules/security/acme>

security.acme.certs.<name>.postRun
Commands to run after new certificates go live. Note that these commands run as the root user.

Executed in the same directory with the new certificate.

Type: strings concatenated with "\n"

Default:

```
config.security.acme.defaults.postRun
```

Example:

```
"cp full.pem backup.pem"
```

Declared by:
<nixpkgs/nixos/modules/security/acme>

security.acme.certs.<name>.profile
The certificate profile to choose if the CA offers multiple profiles.

Type: null or string

Default:

```
config.security.acme.defaults.profile
```

Declared by:
<nixpkgs/nixos/modules/security/acme>

security.acme.certs.<name>.reloadServices
The list of systemd services to call 'systemctl try−reload−or−restart' on.

Type: list of string

Default:

```
config.security.acme.defaults.reloadServices
```

Declared by:
<nixpkgs/nixos/modules/security/acme>

security.acme.certs.<name>.renewInterval
Systemd calendar expression when to check for renewal. See **systemd.time**(7).

If you reduce this from daily you might also want to adapt **security.acme.defaults.renewJitter**.

Type: string

Default:

```
config.security.acme.defaults.renewInterval
```

Declared by:
<nixpkgs/nixos/modules/security/acme>

security.acme.certs.<name>.renewJitter
Maximum jitter applied to a timer to stretch its execution intervals to prevent multiple timers from firing simultaneously. See 'RandomizedDelaySecs=' in **systemd.timer**(5).

Type: string

Default:

```
config.security.acme.defaults.renewJitter
```

Declared by:
<nixpkgs/nixos/modules/security/acme>

security.acme.certs.<name>.s3Bucket
S3 bucket name to use for HTTP−01 based challenges. Challenges will be written to the S3 bucket.

Type: null or string

Default:

```
null
```

Example:

```
"acme"
```

Declared by:
<nixpkgs/nixos/modules/security/acme>

security.acme.certs.<name>.server
ACME Directory Resource URI. Defaults to Let's Encrypt's production endpoint. For testing Let's Encrypt's **staging endpoint** should be used to avoid the rather tight rate limit on the production endpoint.

Type: null or string

Default:

```
config.security.acme.defaults.server
```

Example:

```
"https://acme-staging-v02.api.letsencrypt.org/directory"
```

Declared by:
<nixpkgs/nixos/modules/security/acme>

security.acme.certs.<name>.validMinDays
Minimum remaining validity before renewal in days.

If unset, the renewal time is calculated dynamically:

- for regular certificates, renewal occurs when less than one−third of the lifetime remains
- for short−lived certificates, renewal occurs when less than half of the lifetime remains

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/security/acme>

security.acme.certs.<name>.webroot

Where the webroot of the HTTP vhost is located. *.well−known/acme−challenge/* directory will be created below the webroot if it doesn't exist. 'http://example.org/.well−known/acme−challenge/' must also be available (notice unencrypted HTTP).

Type: null or string

Default:

```
config.security.acme.defaults.webroot
```

Example:

```
"/var/lib/acme/acme−challenge"
```

Declared by:

<nixpkgs/nixos/modules/security/acme>

security.acme.defaults

Default values inheritable by all configured certs. You can use this to define options shared by all your certs. These defaults can also be ignored on a per−cert basis using the **security.acme.certs.${cert}.inheritDefaults** option.

Type: submodule

Declared by:

<nixpkgs/nixos/modules/security/acme>

security.acme.defaults.enableDebugLogs

Whether to enable debug logging for this certificate.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/security/acme>

security.acme.defaults.credentialFiles

Environment variables suffixed by "_FILE" to set for the cert's service for your selected dnsProvider. To find out what values you need to set, consult the documentation at **https://go−acme.github.io/lego/dns/** for the corresponding dnsProvider. This allows to securely pass credential files to lego by leveraging systemd credentials.

Type: attribute set of absolute path

Default:

```
{ }
```

Example:

```
{
  "RFC2136_TSIG_SECRET_FILE" = "/run/secrets/tsig−secret−example. \
org";
}
```

Declared by:

<nixpkgs/nixos/modules/security/acme>

security.acme.defaults.dnsPropagationCheck

Toggles lego DNS propagation check, which is used alongside DNS−01 challenge to ensure the DNS entries required are available.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/security/acme>

security.acme.defaults.dnsProvider

DNS Challenge provider. For a list of supported providers, see the “code” field of the DNS providers listed at **https://go−acme.github.io/lego/dns/**.

Type: null or string

Default:

```
null
```

Example:

```
"route53"
```

Declared by:

<nixpkgs/nixos/modules/security/acme>

security.acme.defaults.dnsResolver

Set the resolver to use for performing recursive DNS queries. Supported: host:port. The default is to use the system resolvers, or Google’s DNS resolvers if the system’s cannot be determined.

Type: null or string

Default:

```
null
```

Example:

```
"1.1.1.1:53"
```

Declared by:

<nixpkgs/nixos/modules/security/acme>

security.acme.defaults.email

Email address for account creation and correspondence from the CA. It is recommended to use the same email for all certs to avoid account creation limits.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/security/acme>

security.acme.defaults.environmentFile

Path to an EnvironmentFile for the cert’s service containing any required and optional environment variables for your selected dnsProvider. To find out what values you need to set, consult the documentation at **https://go−acme.github.io/lego/dns/** for the corresponding dnsProvider.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/src/secrets/example.org-route53-api-token"
```

Declared by:
<nixpkgs/nixos/modules/security/acme>

security.acme.defaults.extraLegoFlags
Additional global flags to pass to all lego commands.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/security/acme>

security.acme.defaults.extraLegoRenewFlags
Additional flags to pass to lego renew.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/security/acme>

security.acme.defaults.extraLegoRunFlags
Additional flags to pass to lego run.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/security/acme>

security.acme.defaults.group
Group running the ACME client.

Type: string

Default:

```
"acme"
```

Declared by:
<nixpkgs/nixos/modules/security/acme>

security.acme.defaults.keyType
Key type to use for private keys. For an up to date list of supported values check the --key-type option at **https://go-acme.github.io/lego/usage/cli/options/**.

Type: string

Default:

```
"ec256"
```

Declared by:
<nixpkgs/nixos/modules/security/acme>

security.acme.defaults.listenHTTP
Interface and port to listen on to solve HTTP challenges in the form '[INTERFACE]:PORT'. If you use a port other than 80, you must proxy port 80 to this port.

Type: null or string

Default:

```
null
```

Example:

```
":1360"
```

Declared by:
<nixpkgs/nixos/modules/security/acme>

security.acme.defaults.ocspMustStaple
Turns on the OCSP Must−Staple TLS extension. Make sure you know what you're doing! See:

- **https://blog.apnic.net/2019/01/15/is−the−web−ready−for−ocsp−must−staple/**
- **https://blog.hboeck.de/archives/886−The−Problem−with−OCSP−Stapling−and−Must−Staple−and−why−Certificate−Revocation−is−still−broken.html**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/acme>

security.acme.defaults.postRun
Commands to run after new certificates go live. Note that these commands run as the root user.

Executed in the same directory with the new certificate.

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
"cp full.pem backup.pem"
```

Declared by:
<nixpkgs/nixos/modules/security/acme>

security.acme.defaults.profile
The certificate profile to choose if the CA offers multiple profiles.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/security/acme>

security.acme.defaults.reloadServices

The list of systemd services to call ‘systemctl try−reload−or−restart’ on.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/security/acme>

security.acme.defaults.renewInterval

Systemd calendar expression when to check for renewal. See **systemd.time**(7).

If you reduce this from daily you might also want to adapt **security.acme.defaults.renewJitter**.

Type: string

Default:

```
"daily"
```

Declared by:

<nixpkgs/nixos/modules/security/acme>

security.acme.defaults.renewJitter

Maximum jitter applied to a timer to stretch its execution intervals to prevent multiple timers from firing simultaneously. See ‘RandomizedDelaySecs=’ in **systemd.timer**(5).

Type: string

Default:

```
"24h"
```

Declared by:

<nixpkgs/nixos/modules/security/acme>

security.acme.defaults.server

ACME Directory Resource URI. Defaults to Let’s Encrypt’s production endpoint. For testing Let’s Encrypt’s **staging endpoint** should be used to avoid the rather tight rate limit on the production endpoint.

Type: null or string

Default:

```
"https://acme-v02.api.letsencrypt.org/directory"
```

Example:

```
"https://acme-staging-v02.api.letsencrypt.org/directory"
```

Declared by:

<nixpkgs/nixos/modules/security/acme>

security.acme.defaults.validMinDays

Minimum remaining validity before renewal in days.

If unset, the renewal time is calculated dynamically:

- for regular certificates, renewal occurs when less than one−third of the lifetime remains
- for short−lived certificates, renewal occurs when less than half of the lifetime remains

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/security/acme>

security.acme.defaults.webroot
Where the webroot of the HTTP vhost is located. *.well−known/acme−challenge/* directory will be created below the webroot if it doesn't exist. 'http://example.org/.well−known/acme−challenge/' must also be available (notice unencrypted HTTP).

Type: null or string

Default:

```
null
```

Example:

```
"/var/lib/acme/acme-challenge"
```

Declared by:
<nixpkgs/nixos/modules/security/acme>

security.acme.maxConcurrentRenewals
Maximum number of concurrent certificate generation or renewal jobs. All other jobs will queue and wait running jobs to finish. Reduces the system load of certificate generation.

Set to '0' to allow unlimited number of concurrent job runs."

Type: signed integer

Default:

```
5
```

Declared by:
<nixpkgs/nixos/modules/security/acme>

security.acme.useRoot
Whether to use the root user when generating certs. This is not recommended for security + compatibility reasons. If a service requires root owned certificates consider following the guide on "Using ACME with services demanding root owned certificates" in the NixOS manual, and only using this as a fallback or for testing.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/acme>

security.agnos.enable
Whether to enable agnos.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/security/agnos.nix>

security.agnos.generateKeys.enable

Enable automatic generation of account keys.

When this is ‘true’, a key will be generated for each account where the file referred to by the ‘private_key’ path does not exist yet.

Currently, only RSA keys can be generated.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/security/agnos.nix>

security.agnos.generateKeys.keySize

Key size in bits to use when generating new keys.

Type: signed integer

Default:

```
4096
```

Declared by:

<nixpkgs/nixos/modules/security/agnos.nix>

security.agnos.group

Group to run Agnos as. The acquired certificates will be owned by this group.

Type: string

Default:

```
"agnos"
```

Declared by:

<nixpkgs/nixos/modules/security/agnos.nix>

security.agnos.persistent

When ‘true’, use a persistent systemd timer.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/security/agnos.nix>

security.agnos.server

ACME Directory Resource URI. Defaults to Let’s Encrypt’s production endpoint, ‘https://acme−v02.api.letsencrypt.org/directory’, if unset.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/security/agnos.nix>

security.agnos.serverCa

The root certificate (in PEM format) of the ACME server's HTTPS interface.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/security/agnos.nix>

security.agnos.settings

Settings

Type: open submodule of attribute set of (TOML value)

Declared by:

<nixpkgs/nixos/modules/security/agnos.nix>

security.agnos.settings.accounts

A list of ACME accounts. Each account is associated with an email address and can be used to obtain an arbitrary amount of certificate (subject to provider's rate limits, see e.g. **Let's Encrypt Rate Limits**).

Type: list of (open submodule of attribute set of (TOML value))

Declared by:

<nixpkgs/nixos/modules/security/agnos.nix>

security.agnos.settings.accounts.*.certificates

Certificates for agnos to issue or renew.

Type: list of (open submodule of attribute set of (TOML value))

Declared by:

<nixpkgs/nixos/modules/security/agnos.nix>

security.agnos.settings.accounts.*.certificates.*.domains

Domains the certificate represents

Type: list of string

Default:

```
[ ]
```

Example:

```
["a.example.com", "b.example.com", "*b.example.com"]
```

Declared by:

<nixpkgs/nixos/modules/security/agnos.nix>

security.agnos.settings.accounts.*.certificates.*.fullchain_output_file

Output path for the full chain including the acquired certificate. If a relative path is specified, the file will be created in '/var/lib/agnos'.

Type: string

Declared by:

<nixpkgs/nixos/modules/security/agnos.nix>

security.agnos.settings.accounts.*.certificates.*.key_output_file

Output path for the certificate private key. If a relative path is specified, the file will be created in '/var/lib/agnos'.

Type: string

Declared by:

<nixpkgs/nixos/modules/security/agnos.nix>

security.agnos.settings.accounts.*.email

Email associated with this account.

Type: string

Declared by:

<nixpkgs/nixos/modules/security/agnos.nix>

security.agnos.settings.accounts.*.private_key_path

Path of the PEM−encoded private key for this account. Currently, only RSA keys are supported.

If this path does not exist, then the behavior depends on 'generateKeys.enable'. When this option is 'true', the key will be automatically generated and saved to this path. When it is 'false', agnos will fail.

If a relative path is specified, the key will be looked up (or generated and saved to) under '/var/lib/agnos'.

Type: string

Declared by:

<nixpkgs/nixos/modules/security/agnos.nix>

security.agnos.settings.dns_listen_addr

Address for agnos to listen on. Note that this needs to be reachable by the outside world, and 53 is required in most situations since 'NS' records do not allow specifying the port.

Type: string

Default:

```
"0.0.0.0:53"
```

Declared by:

<nixpkgs/nixos/modules/security/agnos.nix>

security.agnos.startAt

How often or when to run agnos.

The format is described in **systemd.time**(7).

Type: string or list of string

Default:

```
"daily"
```

Example:

```
"02:00"
```

Declared by:

<nixpkgs/nixos/modules/security/agnos.nix>

security.agnos.temporarilyOpenFirewall

When 'true', will open the port specified in 'settings.dns_listen_addr' before running the agnos service, and close it when agnos finishes running.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/agnos.nix>

security.agnos.user
User to run Agnos as. The acquired certificates will be owned by this user.

Type: string

Default:

```
"agnos"
```

Declared by:
<nixpkgs/nixos/modules/security/agnos.nix>

security.allowSimultaneousMultithreading
Whether to allow SMT/hyperthreading. Disabling SMT means that only physical CPU cores will be usable at runtime, potentially at significant performance cost.

The primary motivation for disabling SMT is to mitigate the risk of leaking data between threads running on the same CPU core (due to e.g., shared caches). This attack vector is unproven.

Disabling SMT is a supplement to the L1 data cache flushing mitigation (see **security.virtualisation.flushL1DataCache**) versus malicious VM guests (SMT could "bring back" previously flushed data).

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/security/misc.nix>

security.allowUserNamespaces
Whether to allow creation of user namespaces.

The motivation for disabling user namespaces is the potential presence of code paths where the kernel's permission checking logic fails to account for namespacing, instead permitting a namespaced process to act outside the namespace with the same privileges as it would have inside it. This is particularly damaging in the common case of running as root within the namespace.

When user namespace creation is disallowed, attempting to create a user namespace fails with "no space left on device" (ENOSPC). root may re−enable user namespace creation at runtime.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/security/misc.nix>

security.apparmor.enable
Whether to enable the AppArmor Mandatory Access Control system.

If you're enabling this module on a running system, note that a reboot will be required to activate AppArmor in the kernel.

Also, beware that enabling this module privileges stability over security by not trying to kill unconfined but newly confinable running processes by default, though it would be needed because AppArmor can only confine new or already confined processes of an executable. This killing would for instance be necessary when upgrading to a NixOS revision introducing for the first time an AppArmor profile for the

executable of a running process.

Enable **security.apparmor.killUnconfinedConfinables** if you want this service to do such killing by sending a ‘SIGTERM’ to those running processes.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/security/apparmor.nix>

security.apparmor.enableCache
Whether to enable caching of AppArmor policies in ‘/var/cache/apparmor/’.

Beware that AppArmor policies almost always contain Nix store paths, and thus produce at each change of these paths a new cached version accumulating in the cache.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/security/apparmor.nix>

security.apparmor.packages
List of packages to be added to AppArmor’s include path

Type: list of package

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/security/apparmor.nix>

security.apparmor.includes
List of paths to be added to AppArmor’s searched paths when resolving ‘include’ directives.

Type: attribute set of strings concatenated with “\n”

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/security/apparmor.nix>

security.apparmor.killUnconfinedConfinables
Whether to enable killing of processes which have an AppArmor profile enabled (in **security.apparmor.policies**) but are not confined (because AppArmor can only confine new processes).

This is only sending a gracious ‘SIGTERM’ signal to the processes, not a ‘SIGKILL’.

Beware that due to a current limitation of AppArmor, only profiles with exact paths (and no name) can enable such kills.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/security/apparmor.nix>

security.apparmor.policies
AppArmor policies.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/security/apparmor.nix>

security.apparmor.policies.<name>.path
A path of a profile file to include. Incompatible with profile.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/security/apparmor.nix>

security.apparmor.policies.<name>.profile
The profile file contents. Incompatible with path.

Type: strings concatenated with “\n”

Declared by:
<nixpkgs/nixos/modules/security/apparmor.nix>

security.apparmor.policies.<name>.state
How strictly this policy should be enforced

Type: one of “disable”, “complain”, “enforce”

Default:

```
"enforce"
```

Declared by:
<nixpkgs/nixos/modules/security/apparmor.nix>

security.audit.enable
Whether to enable the Linux audit system. The special ‘lock’ value can be used to enable auditing and prevent disabling it until a restart. Be careful about locking this, as it will prevent you from changing your audit configuration until you restart. If possible, test your configuration using build−vm beforehand.

Type: one of false, true, “lock”

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/audit.nix>

security.audit.package
The audit package to use.

Type: package

Default:

```
pkgs.audit
```

Declared by:
<nixpkgs/nixos/modules/security/audit.nix>

security.audit.backlogLimit
The maximum number of outstanding audit buffers allowed; exceeding this is considered a failure and handled in a manner specified by failureMode.

Type: signed integer

Default:

```
1024
```

Declared by:
<nixpkgs/nixos/modules/security/audit.nix>

security.audit.failureMode
How to handle critical errors in the auditing system

Type: one of “silent”, “printk”, “panic”

Default:

```
"printk"
```

Declared by:
<nixpkgs/nixos/modules/security/audit.nix>

security.audit.rateLimit
The maximum messages per second permitted before triggering a failure as specified by failureMode. Setting it to zero disables the limit.

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/security/audit.nix>

security.audit.rules
The ordered audit rules, with each string appearing as one line of the audit.rules file.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-a exit,always -F arch=b64 -S execve"
]
```

Declared by:
<nixpkgs/nixos/modules/security/audit.nix>

security.auditd.enable
Whether to enable the Linux Audit daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/security/auditd.nix>

security.auditd.package
The auditd package to use.

Type: package

Default:

```
pkgs.audit
```

Declared by:
<nixpkgs/nixos/modules/security/auditd.nix>

security.auditd.plugins
Plugin definitions to register with auditd

Type: attribute set of (submodule)

Default:

```
{
  af_unix = {
    path = lib.getExe' config.security.auditd.package "audisp-af_u \
nix";
    args = [
      "0640"
      "/var/run/audispd_events"
      "string"
    ];
    format = "binary";
  };
  remote = {
    path = lib.getExe' config.security.auditd.package "audisp-remo \
te";
    settings = { };
  };
  filter = {
    path = lib.getExe' config.security.auditd.package "audisp-filt \
er";
    args = [
      "allowlist"
      "/etc/audit/audisp-filter.conf"
      (lib.getExe' config.security.auditd.package "audisp-syslog")
      "LOG_USER"
      "LOG_INFO"
```

```
            "interpret"
          ];
          settings = { };
        };
        syslog = {
          path = lib.getExe' config.security.auditd.package "audisp-sysl \
      og";
          args = [ "LOG_INFO" ];
        };
      }
```

Declared by:
<nixpkgs/nixos/modules/security/auditd.nix>

security.auditd.plugins.<name>.active
Whether to enable Whether to enable this plugin.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/security/auditd.nix>

security.auditd.plugins.<name>.args
This allows you to pass arguments to the child program. Generally plugins do not take arguments and have their own config file that instructs them how they should be configured.

Type: null or (list of non-empty string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/security/auditd.nix>

security.auditd.plugins.<name>.direction
The option is dictated by the plugin. In or out are the only choices. You cannot make a plugin operate in a way it wasn't designed just by changing this option. This option is to give a clue to the event dispatcher about which direction events flow.

Note
Inbound events are not supported yet.

Type: one of "in", "out"

Default:

```
"out"
```

Declared by:
<nixpkgs/nixos/modules/security/auditd.nix>

security.auditd.plugins.<name>.format

Binary passes the data exactly as the audit event dispatcher gets it from the audit daemon. The string option tells the dispatcher to completely change the event into a string suitable for parsing with the audit parsing library.

Type: one of “binary”, “string”

Default:

```
"string"
```

Declared by:

<nixpkgs/nixos/modules/security/auditd.nix>

security.auditd.plugins.<name>.path

This is the absolute path to the plugin executable.

Type: absolute path

Declared by:

<nixpkgs/nixos/modules/security/auditd.nix>

security.auditd.plugins.<name>.settings

Plugin−specific config file to link to /etc/audit/<plugin>.conf

Type: null or (open submodule of attribute set of (null or boolean or non−empty string or absolute path or signed integer))

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/security/auditd.nix>

security.auditd.plugins.<name>.type

This tells the dispatcher how the plugin wants to be run. There is only one valid option, ‘always’, which means the plugin is external and should always be run. The default is ‘always’ since there are no more builtin plugins.

Type: value “always” (singular enum) *(read only)*

Default:

```
"always"
```

Declared by:

<nixpkgs/nixos/modules/security/auditd.nix>

security.auditd.settings

auditd configuration file contents. See {auditd.conf} for supported values.

Type: open submodule of attribute set of (null or boolean or non−empty string or absolute path or signed integer)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/security/auditd.nix>

security.auditd.settings.admin_space_left

This is a numeric value in mebibytes (MiB) that tells the audit daemon when to perform a configurable action because the system is running low on disk space. This should be considered the last chance to do something before running out of disk space. The numeric value for this parameter should be lower than the number for **space_left**. You may also append a percent sign (e.g. 1%) to the number to have the audit daemon calculate the number based on the disk partition size.

Type: signed integer or string matching the pattern [0−9]+%

Default:

```
50
```

Declared by:

<nixpkgs/nixos/modules/security/auditd.nix>

security.auditd.settings.space_left

If the free space in the filesystem containing log_file drops below this value, the audit daemon takes the action specified by **space_left_action**. If the value of **space_left** is specified as a whole number, it is interpreted as an absolute size in mebibytes (MiB). If the value is specified as a number between 1 and 99 followed by a percentage sign (e.g., 5%), the audit daemon calculates the absolute size in megabytes based on the size of the filesystem containing **log_file**. (E.g., if the filesystem containing **log_file** is 2 gibibytes in size, and **space_left** is set to 25%, then the audit daemon sets **space_left** to approximately 500 mebibytes.

Note

This calculation is performed when the audit daemon starts, so if you resize the filesystem containing **log_file** while the audit daemon is running, you should send the audit daemon SIGHUP to re−read the configuration file and recalculate the correct per- centage.

Type: signed integer or string matching the pattern [0−9]+%

Default:

```
75
```

Declared by:

<nixpkgs/nixos/modules/security/auditd.nix>

security.chromiumSuidSandbox.enable

Whether to install the Chromium SUID sandbox which is an executable that Chromium may use in order to achieve sandboxing.

If you get the error “The SUID sandbox helper binary was found, but is not configured correctly.”, turning this on might help.

Also, if the URL chrome://sandbox tells you that “You are not adequately sandboxed!”, turning this on might resolve the issue.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/security/chromium−suid−sandbox.nix>

security.dhparams.enable

Whether to generate new DH params and clean up old DH params.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/dhparams.nix>

security.dhparams.defaultBitSize
This allows to override the default bit size for all of the Diffie−Hellman parameters set in **security.dhparams.params**.

Type: integer of at least 16 bits

Default:

```
2048
```

Declared by:
<nixpkgs/nixos/modules/security/dhparams.nix>

security.dhparams.params
Diffie−Hellman parameters to generate.

The value is the size (in bits) of the DH params to generate. The generated DH params path can be found in ‘config.security.dhparams.params.«name».path’.

Note
The name of the DH params is taken as being the name of the service it serves and the params will be generated before the said service is started.

Warning
If you are removing all dhparams from this list, you have to leave **security.dhparams.enable** for at least one activation in order to have them be cleaned up. This also means if you rollback to a version without any dhparams the existing ones won’t be cleaned up. Of course this only applies if **security.dhparams.stateful** is ‘true’.

Note
For module implementers: It’s recommended to not set a specific bit size here, so that users can easily override this by setting **security.dhparams.defaultBitSize**.

Type: attribute set of ((submodule) or signed integer convertible to it)

Default:

```
{ }
```

Example:

```
{ nginx.bits = 3072; }
```

Declared by:
<nixpkgs/nixos/modules/security/dhparams.nix>

security.dhparams.params.<name>.bits
The bit size for the prime that is used during a Diffie−Hellman key exchange.

Type: integer of at least 16 bits

Default:

```
config.security.dhparams.defaultBitSize
```

Declared by:
<nixpkgs/nixos/modules/security/dhparams.nix>

security.dhparams.params.<name>.path

The resulting path of the generated Diffie−Hellman parameters file for other services to reference. This could be either a store path or a file inside the directory specified by **security.dhparams.path**.

Type: absolute path *(read only)*

Declared by:

<nixpkgs/nixos/modules/security/dhparams.nix>

security.dhparams.path

Path to the directory in which Diffie−Hellman parameters will be stored. This only is relevant if **security.dhparams.stateful** is ‘true’.

Type: string

Default:

```
"/var/lib/dhparams"
```

Declared by:

<nixpkgs/nixos/modules/security/dhparams.nix>

security.dhparams.stateful

Whether generation of Diffie−Hellman parameters should be stateful or not. If this is enabled, PEM−encoded files for Diffie−Hellman parameters are placed in the directory specified by **security.dhparams.path**. Otherwise the files are created within the Nix store.

Note

If this is ‘false’ the resulting store path will be non−deterministic and will be rebuilt every time the ‘openssl’ package changes.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/security/dhparams.nix>

security.doas.enable

Whether to enable the **doas** command, which allows non−root users to execute commands as root.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/security/doas.nix>

security.doas.package

The doas package to use.

Type: package

Default:

```
pkgs.doas
```

Declared by:

<nixpkgs/nixos/modules/security/doas.nix>

security.doas.extraConfig

Extra configuration text appended to *doas.conf*. Be aware that this option cannot be used to override the behaviour allowing passwordless operation for root.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/security/doas.nix>

security.doas.extraRules

Define specific rules to be set in the */etc/doas.conf* file. More specific rules should come after more general ones in order to yield the expected behavior. You can use ‘mkBefore’ and/or ‘mkAfter’ to ensure this is the case when configuration options are merged. Be aware that this option cannot be used to override the behaviour allowing passwordless operation for root.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  # Allow execution of any command by any user in group doas, requi \
ring
  # a password and keeping any previously-defined environment vari \
ables.
  { groups = [ "doas" ]; noPass = false; keepEnv = true; }
  # Allow execution of "/home/root/secret.sh" by user ‘backup‘ OR u \
ser
  # ‘database‘ OR any member of the group with GID ‘1006‘, without  \
a
  # password.
  { users = [ "backup" "database" ]; groups = [ 1006 ];
    cmd = "/home/root/secret.sh"; noPass = true; }
  # Allow any member of group ‘bar‘ to run ‘/home/baz/cmd1.sh‘ as u \
ser
  # ‘foo‘ with argument ‘hello-doas‘.
  { groups = [ "bar" ]; runAs = "foo";
    cmd = "/home/baz/cmd1.sh"; args = [ "hello-doas" ]; }
  # Allow any member of group ‘bar‘ to run ‘/home/baz/cmd2.sh‘ as u \
ser
  # ‘foo‘ with no arguments.
  { groups = [ "bar" ]; runAs = "foo";
    cmd = "/home/baz/cmd2.sh"; args = [ ]; }
  # Allow user ‘abusers‘ to execute "nano" and unset the value of
  # SSH_AUTH_SOCK, override the value of ALPHA to 1, and inherit th \
e
  # value of BETA from the current environment.
  { users = [ "abusers" ]; cmd = "nano";
    setEnv = [ "-SSH_AUTH_SOCK" "ALPHA=1" "BETA" ]; }
]
```

Declared by:
<nixpkgs/nixos/modules/security/doas.nix>

security.doas.extraRules.*.args
Arguments that must be provided to the command. When set to '[]', the command must be run without any arguments.

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/security/doas.nix>

security.doas.extraRules.*.cmd
The command the user is allowed to run. When set to 'null' (the default), all commands are allowed.

NOTE: It is best practice to specify absolute paths. If a relative path is specified, only a restricted PATH will be searched.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/security/doas.nix>

security.doas.extraRules.*.groups
The groups / GIDs this rule should apply for.

Type: list of (string or signed integer)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/security/doas.nix>

security.doas.extraRules.*.keepEnv
If 'true', environment variables other than those listed in **doas**(1) are kept when creating the environment for the new process.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/doas.nix>

security.doas.extraRules.*.noLog
If 'true', successful executions will not be logged to **syslogd**(8).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/doas.nix>

security.doas.extraRules.*.noPass

If ‘true’, the user is not required to enter a password.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/security/doas.nix>

security.doas.extraRules.*.persist

If ‘true’, do not ask for a password again for some time after the user successfully authenticates.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/security/doas.nix>

security.doas.extraRules.*.runAs

Which user or group the specified command is allowed to run as. When set to ‘null’ (the default), all users are allowed.

A user can be specified using just the username: ‘"foo"’. It is also possible to only allow running as a specific group with ‘":bar"’.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/security/doas.nix>

security.doas.extraRules.*.setEnv

Keep or set the specified variables. Variables may also be removed with a leading ‘−’ or set using ‘variable=value’. If the first character of ‘value’ is a ‘$’, the value to be set is taken from the existing environment variable of the indicated name. This option is processed after the default environment has been created.

NOTE: All rules have ‘setenv { SSH_AUTH_SOCK }’ by default. To prevent ‘SSH_AUTH_SOCK’ from being inherited, add ‘"−SSH_AUTH_SOCK"’ anywhere in this list.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/security/doas.nix>

security.doas.extraRules.*.users

The usernames / UIDs this rule should apply for.

Type: list of (string or signed integer)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/security/doas.nix>

security.doas.wheelNeedsPassword
Whether users of the 'wheel' group must provide a password to run commands as super user via **doas**.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/security/doas.nix>

security.duosec.acceptEnvFactor
Look for factor selection or passcode in the '$DUO_PASSCODE' environment variable before prompting the user for input.

When $DUO_PASSCODE is non−empty, it will override autopush. The SSH client will need SendEnv DUO_PASSCODE in its configuration, and the SSH server will similarly need AcceptEnv DUO_PASSCODE.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/duosec.nix>

security.duosec.allowTcpForwarding
By default, when SSH forwarding, enabling Duo Security will disable TCP forwarding. By enabling this, you potentially undermine some of the SSH based login security. Note this is not needed if you use PAM.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/duosec.nix>

security.duosec.autopush
If 'true', Duo Unix will automatically send a push login request to the user's phone, falling back on a phone call if push is unavailable. If 'false', the user will be prompted to choose an authentication method. When configured with 'autopush = yes', we recommend setting 'prompts = 1'.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/duosec.nix>

security.duosec.failmode
On service or configuration errors that prevent Duo authentication, fail "safe" (allow access) or "secure" (deny access). The default is "safe".

Type: one of "safe", "secure"

Default:

```
"safe"
```

Declared by:
<nixpkgs/nixos/modules/security/duosec.nix>

security.duosec.fallbackLocalIP
Duo Unix reports the IP address of the authorizing user, for the purposes of authorization and whitelisting. If Duo Unix cannot detect the IP address of the client, setting 'fallbackLocalIP = yes' will cause Duo Unix to send the IP address of the server it is running on.

If you are using IP whitelisting, enabling this option could cause unauthorized logins if the local IP is listed in the whitelist.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/duosec.nix>

security.duosec.groups
If specified, Duo authentication is required only for users whose primary group or supplementary group list matches one of the space−separated pattern lists. Refer to **https://duo.com/docs/duounix** for details.

Type: string

Default:

```
""
```

Example:

```
"users,!wheel,!*admin guests"
```

Declared by:
<nixpkgs/nixos/modules/security/duosec.nix>

security.duosec.host
Duo API hostname.

Type: string

Declared by:
<nixpkgs/nixos/modules/security/duosec.nix>

security.duosec.integrationKey
Integration key.

Type: string

Declared by:
<nixpkgs/nixos/modules/security/duosec.nix>

security.duosec.motd
Print the contents of '/etc/motd' to screen after a successful login.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/duosec.nix>

security.duosec.pam.enable

If enabled, protect logins with Duo Security using PAM support.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/security/duosec.nix>

security.duosec.prompts

If a user fails to authenticate with a second factor, Duo Unix will prompt the user to authenticate again. This option sets the maximum number of prompts that Duo Unix will display before denying access. Must be 1, 2, or 3. Default is 3.

For example, when ‘prompts = 1’, the user will have to successfully authenticate on the first prompt, whereas if ‘prompts = 2’, if the user enters incorrect information at the initial prompt, he/she will be prompted to authenticate again.

When configured with ‘autopush = true’, we recommend setting ‘prompts = 1’.

Type: one of 1, 2, 3

Default:

```
3
```

Declared by:

<nixpkgs/nixos/modules/security/duosec.nix>

security.duosec.pushinfo

Include information such as the command to be executed in the Duo Push message.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/security/duosec.nix>

security.duosec.secretKeyFile

A file containing your secret key. The security of your Duo application is tied to the security of your secret key.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/duo-skey"
```

Declared by:

<nixpkgs/nixos/modules/security/duosec.nix>

security.duosec.ssh.enable

If enabled, protect SSH logins with Duo Security.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/duosec.nix>

security.forcePageTableIsolation
Whether to force−enable the Page Table Isolation (PTI) Linux kernel feature even on CPU models that claim to be safe from Meltdown.

This hardening feature is most beneficial to systems that run untrusted workloads that rely on address space isolation for security.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/misc.nix>

security.googleOsLogin.enable
Whether to enable Google OS Login.

The OS Login package enables the following components: AuthorizedKeysCommand to query valid SSH keys from the user's OS Login profile during ssh authentication phase. NSS Module to provide user and group information PAM Module for the sshd service, providing authorization and authentication support, allowing the system to use data stored in Google Cloud IAM permissions to control both, the ability to log into an instance, and to perform operations as root (sudo).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/google_oslogin.nix>

security.ipa.enable
Whether to enable FreeIPA domain integration.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/security/ipa.nix>

security.ipa.basedn
Base DN to use when performing LDAP operations.

Type: string

Example:

```
"dc=example,dc=com"
```

Declared by:
<nixpkgs/nixos/modules/security/ipa.nix>

security.ipa.cacheCredentials
Whether to cache credentials.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/security/ipa.nix>

security.ipa.certificate
IPA server CA certificate.

Use ‘nix−prefetch−url http://$server/ipa/config/ca.crt’ to obtain the file and the hash.

Type: package

Example:

```
pkgs.fetchurl {
  url = "http://ipa.example.com/ipa/config/ca.crt";
  hash = lib.fakeHash;
};
```

Declared by:
<nixpkgs/nixos/modules/security/ipa.nix>

security.ipa.chromiumSupport
Whether to whitelist the FreeIPA domain in Chromium.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/security/ipa.nix>

security.ipa.domain
Domain of the IPA server.

Type: string

Example:

```
"example.com"
```

Declared by:
<nixpkgs/nixos/modules/security/ipa.nix>

security.ipa.dyndns.enable
Whether to enable FreeIPA automatic hostname updates.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/security/ipa.nix>

security.ipa.dyndns.interface

Network interface to perform hostname updates through.

Type: string

Default:

```
"*"
```

Example:

```
"eth0"
```

Declared by:

<nixpkgs/nixos/modules/security/ipa.nix>

security.ipa.ifpAllowedUids

A list of users allowed to access the ifp dbus interface.

Type: list of string

Default:

```
[
  "root"
]
```

Declared by:

<nixpkgs/nixos/modules/security/ipa.nix>

security.ipa.ipaHostname

Fully−qualified hostname used to identify this host in the IPA domain.

Type: string

Default:

```
if config.networking.domain != null then config.networking.fqdn
else "${networking.hostName}.${security.ipa.domain}"
```

Example:

```
"myworkstation.example.com"
```

Declared by:

<nixpkgs/nixos/modules/security/ipa.nix>

security.ipa.offlinePasswords

Whether to store offline passwords when the server is down.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/security/ipa.nix>

security.ipa.realm

Kerberos realm.

Type: string

Example:

```
"EXAMPLE.COM"
```

Declared by:
<nixpkgs/nixos/modules/security/ipa.nix>

security.ipa.server
IPA Server hostname.

Type: string

Example:

```
"ipa.example.com"
```

Declared by:
<nixpkgs/nixos/modules/security/ipa.nix>

security.ipa.shells
List of shells which binaries should be installed to /bin/<name>.

FreeIPA typicly configures somesthing like /bin/bash into the users shell attribute.

Type: list of package

Default:

```
with pkgs; [ bash zsh ];
```

Declared by:
<nixpkgs/nixos/modules/security/ipa.nix>

security.ipa.useAsTimeserver
Whether to add the IPA server to the timeserver.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/security/ipa.nix>

security.isolate.enable
Whether to enable Sandbox for securely executing untrusted programs .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/security/isolate.nix>

security.isolate.package
The isolate−unwrapped package to use.

Type: package

Default:

```
pkgs.isolate-unwrapped
```

Declared by:
<nixpkgs/nixos/modules/security/isolate.nix>

security.isolate.boxRoot

All sandboxes are created under this directory. To avoid symlink attacks, this directory and all its ancestors must be writeable only by root.

Type: absolute path

Default:

```
"/var/lib/isolate/boxes"
```

Declared by:

<nixpkgs/nixos/modules/security/isolate.nix>

security.isolate.cgRoot

Control group which subgroups are placed under. Either an explicit path to a subdirectory in cgroupfs, or "auto:file" to read the path from "file", where it is put by 'isolate−cg−helper'.

Type: string

Default:

```
"auto:/run/isolate/cgroup"
```

Declared by:

<nixpkgs/nixos/modules/security/isolate.nix>

security.isolate.extraConfig

Extra configuration to append to the configuration file.

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/security/isolate.nix>

security.isolate.firstGid

Start of block of GIDs reserved for sandboxes.

Type: integer or floating point number between 1000 and 65533 (both inclusive)

Default:

```
60000
```

Declared by:

<nixpkgs/nixos/modules/security/isolate.nix>

security.isolate.firstUid

Start of block of UIDs reserved for sandboxes.

Type: integer or floating point number between 1000 and 65533 (both inclusive)

Default:

```
60000
```

Declared by:

<nixpkgs/nixos/modules/security/isolate.nix>

security.isolate.lockRoot

Directory where lock files are created.

Type: absolute path

Default:

```
"/run/isolate/locks"
```

Declared by:
<nixpkgs/nixos/modules/security/isolate.nix>

security.isolate.numBoxes
Number of UIDs and GIDs to reserve, starting from **firstUid** and **firstGid**.

Type: integer or floating point number between 1000 and 65533 (both inclusive)

Default:

```
1000
```

Declared by:
<nixpkgs/nixos/modules/security/isolate.nix>

security.isolate.restrictedInit
If true, only root can create sandboxes.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/isolate.nix>

security.krb5.enable
Enable and configure Kerberos utilities

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/krb5>

security.krb5.package
The krb5 package to use.

Type: package

Default:

```
pkgs.krb5
```

Example:

```
heimdal
```

Declared by:
<nixpkgs/nixos/modules/security/krb5>

security.krb5.settings
Structured contents of the *krb5.conf* file. See **krb5.conf**(5) for details about configuration.

Type: open submodule of attribute set of attribute set of ((list of attribute set of ((list of (signed integer or string or boolean)) or signed integer or string or boolean)) or attribute set of ((list of (signed integer or string or boolean)) or signed integer or string or boolean) or (list of (signed integer or string or boolean)) or signed integer or string or boolean)

Default:

```
{ }
```

Example:

```
{
```

```
domain_realm = {
  "mit.edu" = "ATHENA.MIT.EDU";
};
include = [
  "/run/secrets/secret-krb5.conf"
];
includedir = [
  "/run/secrets/secret-krb5.conf.d"
];
libdefaults = {
  default_realm = "ATHENA.MIT.EDU";
};
logging = {
  admin_server = "SYSLOG:NOTICE";
  default = "SYSLOG:NOTICE";
  kdc = "SYSLOG:NOTICE";
};
realms = {
  "ATHENA.MIT.EDU" = {
    admin_server = "athena.mit.edu";
    kdc = [
      "athena01.mit.edu"
      "athena02.mit.edu"
    ];
  };
};
}
```

Declared by:
<nixpkgs/nixos/modules/security/krb5>

security.krb5.settings.include
Files to include in the Kerberos configuration.

Type: (list of absolute path) or absolute path convertible to it

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/security/krb5>

security.krb5.settings.includedir
Directories containing files to include in the Kerberos configuration.

Type: (list of absolute path) or absolute path convertible to it

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/security/krb5>

security.krb5.settings.module

Modules to obtain Kerberos configuration from.

Type: (list of absolute path) or absolute path convertible to it

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/security/krb5>

security.lockKernelModules

Disable kernel module loading once the system is fully initialised. Module loading is disabled until the next reboot. Problems caused by delayed module loading can be fixed by adding the module(s) in question to **boot.kernelModules**.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/security/lock−kernel−modules.nix>

security.loginDefs.package

The shadow package to use.

Type: package

Default:

```
pkgs.shadow
```

Declared by:

<nixpkgs/nixos/modules/programs/shadow.nix>

security.loginDefs.chfnRestrict

Use chfn SUID to allow non−root users to change their account GECOS information.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/programs/shadow.nix>

security.loginDefs.settings

Config options for the /etc/login.defs file, that defines the site−specific configuration for the shadow password suite. See **login.defs**(5) man page for available options.

Type: open submodule of attribute set of (atom (null, bool, int, float or string))

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/programs/shadow.nix>

security.loginDefs.settings.DEFAULT_HOME

Indicate if login is allowed if we can't cd to the home directory.

Type: one of "yes", "no"

Default:

```
"yes"
```

Declared by:

<nixpkgs/nixos/modules/programs/shadow.nix>

security.loginDefs.settings.ENCRYPT_METHOD

This defines the system default encryption algorithm for encrypting passwords.

Type: one of "YESCRYPT", "SHA512", "SHA256", "MD5", "DES"

Default:

```
"YESCRYPT"
```

Declared by:

<nixpkgs/nixos/modules/programs/shadow.nix>

security.loginDefs.settings.GID_MAX

Range of group IDs used for the creation of regular groups by useradd, groupadd, or newusers.

Type: 32 bit unsigned integer; between 0 and 4294967295 (both inclusive)

Default:

```
29999
```

Declared by:

<nixpkgs/nixos/modules/programs/shadow.nix>

security.loginDefs.settings.GID_MIN

Range of group IDs used for the creation of regular groups by useradd, groupadd, or newusers.

Type: 32 bit unsigned integer; between 0 and 4294967295 (both inclusive)

Default:

```
1000
```

Declared by:

<nixpkgs/nixos/modules/programs/shadow.nix>

security.loginDefs.settings.SYS_GID_MAX

Range of group IDs used for the creation of system groups by useradd, groupadd, or newusers

Type: 32 bit unsigned integer; between 0 and 4294967295 (both inclusive)

Default:

```
999
```

Declared by:

<nixpkgs/nixos/modules/programs/shadow.nix>

security.loginDefs.settings.SYS_GID_MIN

Range of group IDs used for the creation of system groups by useradd, groupadd, or newusers

Type: 32 bit unsigned integer; between 0 and 4294967295 (both inclusive)

Default:

```
400
```

Declared by:
<nixpkgs/nixos/modules/programs/shadow.nix>

security.loginDefs.settings.SYS_UID_MAX
Range of user IDs used for the creation of system users by useradd or newusers.

Type: 32 bit unsigned integer; between 0 and 4294967295 (both inclusive)

Default:

```
999
```

Declared by:
<nixpkgs/nixos/modules/programs/shadow.nix>

security.loginDefs.settings.SYS_UID_MIN
Range of user IDs used for the creation of system users by useradd or newusers.

Type: 32 bit unsigned integer; between 0 and 4294967295 (both inclusive)

Default:

```
400
```

Declared by:
<nixpkgs/nixos/modules/programs/shadow.nix>

security.loginDefs.settings.TTYGROUP
The terminal permissions: the login tty will be owned by the TTYGROUP group, and the permissions will be set to TTYPERM

Type: string

Default:

```
"tty"
```

Declared by:
<nixpkgs/nixos/modules/programs/shadow.nix>

security.loginDefs.settings.TTYPERM
The terminal permissions: the login tty will be owned by the TTYGROUP group, and the permissions will be set to TTYPERM

Type: string

Default:

```
"0620"
```

Declared by:
<nixpkgs/nixos/modules/programs/shadow.nix>

security.loginDefs.settings.UID_MAX
Range of user IDs used for the creation of regular users by useradd or newusers.

Type: 32 bit unsigned integer; between 0 and 4294967295 (both inclusive)

Default:

```
29999
```

Declared by:
<nixpkgs/nixos/modules/programs/shadow.nix>

security.loginDefs.settings.UID_MIN

Range of user IDs used for the creation of regular users by useradd or newusers.

Type: 32 bit unsigned integer; between 0 and 4294967295 (both inclusive)

Default:

```
1000
```

Declared by:

<nixpkgs/nixos/modules/programs/shadow.nix>

security.loginDefs.settings.UMASK

The file mode creation mask is initialized to this value.

Type: string

Default:

```
"077"
```

Declared by:

<nixpkgs/nixos/modules/programs/shadow.nix>

security.lsm

A list of the LSMs to initialize in order.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/security/default.nix>

security.pam.enableFscrypt

Whether to enable fscrypt, to automatically unlock directories with the user's login password.

This also enables a service at security.pam.services.fscrypt which is used by fscrypt to verify the user's password when setting up a new protector. If you use something other than pam_unix to verify user passwords, please remember to adjust this PAM service .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/security/pam.nix>

security.pam.enableOTPW

Whether to enable the OTPW (one−time password) PAM module.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.enableUMask
Whether to enable the umask PAM module.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.package
The pam package to use.

Type: package

Default:

```
pkgs.pam
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.dp9ik.enable
Whether to enable the dp9ik pam module provided by tlsclient.

If set, users can be authenticated against the 9front authentication server given in **security.pam.dp9ik.authserver** .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.dp9ik.authserver
This controls the hostname for the 9front authentication server that users will be authenticated against.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.dp9ik.control
This option sets the pam “control” used for this module.

Type: string

Default:

```
"sufficient"
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.howdy.enable
Whether to enable the Howdy PAM module.

If set, users can be authenticated using Howdy, the Windows Hello™−style facial authentication service.

Type: boolean

Default:

```
config.services.howdy.enable
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.howdy.control
This option sets the PAM “control” used for this module.

Type: string

Default:

```
config.services.howdy.control
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.krb5.enable
Enables Kerberos PAM modules (‘pam−krb5’, ‘pam−ccreds’).

If set, users can authenticate with their Kerberos password. This requires a valid Kerberos configuration (‘security.krb5.enable’ should be set to ‘true’).

Note that the Kerberos PAM modules are not necessary when using SSS to handle Kerberos authentication.

Type: boolean

Default:

```
config.security.krb5.enable
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.loginLimits
Define resource limits that should apply to users or groups. Each item in the list should be an attribute set with a *domain*, *type*, *item*, and *value* attribute. The syntax and semantics of these attributes must be that described in **limits.conf**(5).

Note that these limits do not apply to systemd services, whose limits can be changed via **systemd.settings.Manager** instead.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    domain = "ftp";
    item = "nproc";
    type = "hard";
```

```
    value = "0";
  }
  {
    domain = "@student";
    item = "maxlogins";
    type = "-";
    value = "4";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.loginLimits.*.domain
Username, groupname, or wildcard this limit applies to

Type: string

Example:

```
"@wheel"
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.loginLimits.*.item
Item this limit applies to

Type: one of “core”, “data”, “fsize”, “memlock”, “nofile”, “rss”, “stack”, “cpu”, “nproc”, “as”, “maxlogins”, “maxsyslogins”, “priority”, “locks”, “sigpending”, “msgqueue”, “nice”, “rtprio”

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.loginLimits.*.type
Type of this limit

Type: one of “−”, “hard”, “soft”

Default:

```
"-"
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.loginLimits.*.value
Value of this limit

Type: string or signed integer

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.makeHomeDir.skelDirectory
Path to skeleton directory whose contents are copied to home directories newly created by ‘pam_mkhomedir’.

Type: string

Default:

```
"/var/empty"
```

Example:

```
"/etc/skel"
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.makeHomeDir.umask
The user file mode creation mask to use on home directories newly created by ‘pam_mkhomedir’.

Type: string

Default:

```
"0077"
```

Example:

```
"0022"
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.mount.enable
Enable PAM mount system to mount filesystems on user login.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/pam_mount.nix>

security.pam.mount.additionalSearchPaths
Additional programs to include in the search path of pam_mount. Useful for example if you want to use some FUSE filesystems like bindfs.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.bindfs ]
```

Declared by:
<nixpkgs/nixos/modules/security/pam_mount.nix>

security.pam.mount.createMountPoints
Create mountpoints for volumes if they do not exist.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/security/pam_mount.nix>

security.pam.mount.cryptMountOptions
Global mount options that apply to every crypt volume. You can define volume−specific options in the volume definitions.

Type: list of string

Default:

```
[ ]
```

Example:

```
[ "allow_discard" ]
```

Declared by:
<nixpkgs/nixos/modules/security/pam_mount.nix>

security.pam.mount.debugLevel
Sets the Debug−Level. 0 disables debugging, 1 enables pam_mount tracing, and 2 additionally enables tracing in mount.crypt. The default is 0. For more information, visit **https://pam−mount.sourceforge.net/pam_mount.conf.5.html**.

Type: signed integer

Default:

Example:

```
1
```

Declared by:
<nixpkgs/nixos/modules/security/pam_mount.nix>

security.pam.mount.extraVolumes
List of volume definitions for pam_mount. For more information, visit **https://pam−mount.sourceforge.net/pam_mount.conf.5.html**.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/security/pam_mount.nix>

security.pam.mount.fuseMountOptions
Global mount options that apply to every FUSE volume. You can define volume−specific options in the volume definitions.

Type: list of string

Default:

```
[ ]
```

Example:

```
[ "nodev" "nosuid" "force−user=%(USER)" "gid=%(USERGID)" "perms=07 \
00" "chmod−deny" "chown−deny" "chgrp−deny" ]
```

Declared by:
<nixpkgs/nixos/modules/security/pam_mount.nix>

security.pam.mount.logoutHup
Kill remaining processes after logout by sending a SIGHUP.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/pam_mount.nix>

security.pam.mount.logoutKill

Kill remaining processes after logout by sending a SIGKILL.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/security/pam_mount.nix>

security.pam.mount.logoutTerm

Kill remaining processes after logout by sending a SIGTERM.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/security/pam_mount.nix>

security.pam.mount.logoutWait

Amount of microseconds to wait until killing remaining processes after final logout. For more information, visit **https://pam−mount.sourceforge.net/pam_mount.conf.5.html**.

Type: signed integer

Default:

Declared by:

<nixpkgs/nixos/modules/security/pam_mount.nix>

security.pam.mount.removeCreatedMountPoints

Remove mountpoints created by pam_mount after logout. This only affects mountpoints that have been created by pam_mount in the same session.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/security/pam_mount.nix>

security.pam.oath.enable

Enable the OATH (one−time password) PAM module.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/security/oath.nix>

security.pam.oath.digits

Specify the lib.length of the one−time password in number of digits.

Type: one of 6, 7, 8

Default:

```
6
```

Declared by:
<nixpkgs/nixos/modules/security/oath.nix>

security.pam.oath.usersFile
Set the path to file where the user's credentials are stored. This file must not be world readable!

Type: absolute path

Default:

```
"/etc/users.oath"
```

Declared by:
<nixpkgs/nixos/modules/security/oath.nix>

security.pam.oath.window
Specify the number of one−time passwords to check in order to accommodate for situations where the system and the client are slightly out of sync (iteration for HOTP or time steps for TOTP).

Type: signed integer

Default:

```
5
```

Declared by:
<nixpkgs/nixos/modules/security/oath.nix>

security.pam.p11.enable
Enables P11 PAM ('pam_p11') module.

If set, users can log in with SSH keys and PKCS#11 tokens.

More information can be found **here**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.p11.control
This option sets pam "control". If you want to have multi factor authentication, use "required". If you want to use the PKCS#11 device instead of the regular password, use "sufficient".

Read **pam.conf**(5) for better understanding of this option.

Type: one of "required", "requisite", "sufficient", "optional"

Default:

```
"sufficient"
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.rssh.enable
Whether to enable authenticating using a signature performed by the ssh−agent.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/security/pam.nix>

security.pam.rssh.settings

Options to pass to the pam_rssh module. Refer to **https://github.com/z4yx/pam_rssh/blob/main/README.md#optional−arguments** for supported values.

Boolean values render just the key if true, and nothing if false. Null values are ignored. All other values are rendered as key−value pairs.

Type: open submodule of attribute set of (null or boolean or string or signed integer or path in the Nix store)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/security/pam.nix>

security.pam.rssh.settings.auth_key_file

Path to file with trusted public keys in OpenSSH's 'authorized_keys' format. The following variables are expanded to the respective PAM items:

- 'service': 'PAM_SERVICE', the service name,
- 'user': 'PAM_USER', the username of the entity under whose identity service will be given,
- 'tty': 'PAM_TTY', the terminal name,
- 'rhost': 'PAM_RHOST', the requesting hostname, and
- 'ruser': 'PAM_RUSER', the requesting entity.

These PAM items are explained in **pam_get_item**(3).

Variables may be specified as '$var', '${var}' or '${var:defaultValue}'.

Note

Specifying user−writeable files here results in an insecure configuration: a malicious process can then edit such an 'authorized_keys' file and bypass the ssh−agent−based authentication.

This option is ignored if **security.pam.rssh.settings.authorized_keys_command** is set.

If both this option and **security.pam.rssh.settings.authorized_keys_command** are unset, the keys will be read from '${HOME}/.ssh/authorized_keys', which should be considered insecure.

Type: null or non−empty string

Default:

```
"/etc/ssh/authorized_keys.d/$ruser"
```

Declared by:

<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services

This option defines the PAM services. A service typically corresponds to a program that uses PAM, e.g. **login** or **passwd**. Each attribute of this set defines a PAM service, with the attribute name defining the name of the service.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.enable
Whether to enable this PAM service.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.enableAppArmor
Enable support for attaching AppArmor profiles at the user/group level, e.g., as part of a role based access control scheme.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.enableGnomeKeyring
If enabled, pam_gnome_keyring will attempt to automatically unlock the user's default Gnome keyring upon login. If the user login password does not match their keyring password, Gnome Keyring will prompt separately after login.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.enableUMask
If enabled, the pam_umask module will be loaded.

Type: boolean

Default:

```
config.security.pam.enableUMask
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.allowNullPassword
Whether to allow logging into accounts that have no password set (i.e., have an empty password field in */etc/passwd* or */etc/group*). This does not enable logging into disabled accounts (i.e., that have the password field set to '!'). Note that regardless of what the pam_unix documentation says, accounts with hashed empty passwords are always allowed to log in.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.duoSecurity.enable
If set, use the Duo Security pam module ‘pam_duo’ for authentication. Requires configuration of **security.duosec** options.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.failDelay.enable
If enabled, this will replace the ‘FAIL_DELAY’ setting from ‘login.defs’. Change the delay on failure per−application.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.failDelay.delay
The delay time (in microseconds) on failure.

Type: signed integer

Default:

```
3000000
```

Example:

```
1000000
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.forwardXAuth
Whether X authentication keys should be passed from the calling user to the target user (e.g. for **su**)

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.fprintAuth
If set, fingerprint reader will be used (if exists and your fingerprints are enrolled).

Type: boolean

Default:

```
config.services.fprintd.enable
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.gnupg.enable
If enabled, pam_gnupg will attempt to automatically unlock the user's GPG keys with the login password via **gpg−agent**. The keygrips of all keys to be unlocked should be written to *~/.pam−gnupg*, and can be queried with **gpg −K −−with−keygrip**. Presetting passphrases must be enabled by adding 'allow−preset−passphrase' in *~/.gnupg/gpg−agent.conf*.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.gnupg.noAutostart
Don't start **gpg−agent** if it is not running. Useful in conjunction with starting **gpg−agent** as a systemd user service.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.gnupg.storeOnly
Don't send the password immediately after login, but store for PAM 'session'.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.googleAuthenticator.enable
If set, users with enabled Google Authenticator (created *~/.google_authenticator*) will be required to provide Google Authenticator token to log in.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.googleAuthenticator.allowNullOTP
Whether to allow login for accounts that have no OTP set (i.e., accounts with no OTP configured or no existing *~/.google_authenticator*).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.googleAuthenticator.forwardPass
The authentication provides a single field requiring the user's password followed by the one−time password (OTP).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.googleOsLoginAccountVerification
If set, will use the Google OS Login PAM modules ('pam_oslogin_login', 'pam_oslogin_admin') to verify possible OS Login users and set sudoers configuration accordingly. This only makes sense to enable for the 'sshd' PAM service.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.googleOsLoginAuthentication
If set, will use the 'pam_oslogin_login''s user authentication methods to authenticate users using 2FA. This only makes sense to enable for the 'sshd' PAM service.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.howdy.enable
Whether to enable the Howdy PAM module.

If set, users can be authenticated using Howdy, the Windows Hello™−style facial authentication service.

Type: boolean

Default:

```
config.security.pam.howdy.enable
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.howdy.control
This option sets the PAM "control" used for this module.

Type: string

Default:

```
config.security.pam.howdy.control
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.kwallet.enable
If enabled, pam_wallet will attempt to automatically unlock the user's default KDE wallet upon login. If the user has no wallet named "kdewallet", or the login password does not match their wallet password, KDE will prompt separately after login.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.kwallet.package
The kwallet−pam package to use.

Type: package

Default:

```
pkgs.kdePackages.kwallet−pam
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.kwallet.forceRun
The 'force_run' option is used to tell the PAM module for KWallet to forcefully run even if no graphical session (such as a GUI display manager) is detected. This is useful for when you are starting an X Session or a Wayland Session from a TTY. If you intend to log−in from a TTY, it is recommended that you enable this option **and** ensure that 'plasma−kwallet−pam.service' is started by 'graphical−session.target'.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.limits
Attribute set describing resource limits. Defaults to the value of **security.pam.loginLimits**. The meaning of the values is explained in **limits.conf**(5).

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.limits.*.domain
Username, groupname, or wildcard this limit applies to

Type: string

Example:

```
"@wheel"
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.limits.*.item
Item this limit applies to

Type: one of “core”, “data”, “fsize”, “memlock”, “nofile”, “rss”, “stack”, “cpu”, “nproc”, “as”, “maxlogins”, “maxsyslogins”, “priority”, “locks”, “sigpending”, “msgqueue”, “nice”, “rtprio”

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.limits.*.type
Type of this limit

Type: one of “−”, “hard”, “soft”

Default:

```
"-"
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.limits.*.value
Value of this limit

Type: string or signed integer

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.logFailures
Whether to log authentication failures in */var/log/faillog*.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.makeHomeDir
Whether to try to create home directories for users with ‘$HOME’s pointing to nonexistent locations on session login.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.mysqlAuth
If set, the ‘pam_mysql’ module will be used to authenticate users against a MySQL/MariaDB database.

Type: boolean

Default:

```
config.users.mysql.enable
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.name
Name of the PAM service.

Type: string

Example:

```
"sshd"
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.nodelay
Whether the delay after typing a wrong password should be disabled.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.oathAuth
If set, the OATH Toolkit will be used.

Type: boolean

Default:

```
config.security.pam.oath.enable
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.otpwAuth
If set, the OTPW system will be used (if *~/.otpw* exists).

Type: boolean

Default:

```
config.security.pam.enableOTPW
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.p11Auth
If set, keys listed in *~/.ssh/authorized_keys* and *~/.eid/authorized_certificates* can be used to log in with the associated PKCS#11 tokens.

Type: boolean

Default:

```
config.security.pam.p11.enable
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.pamMount
Enable PAM mount (pam_mount) system to mount filesystems on user login.

Type: boolean

Default:

```
config.security.pam.mount.enable
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.requireWheel
Whether to permit root access only to members of group wheel.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.rootOK
If set, root doesn't need to authenticate (e.g. for the **useradd** service).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.rssh
If set, the calling user's SSH agent is used to authenticate against the configured keys. This module works in a manner similar to pam_ssh_agent_auth, but supports a wider range of SSH key types, including those protected by security keys (FIDO2).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.setEnvironment
Whether the service should set the environment variables listed in **environment.sessionVariables** using 'pam_env.so'.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.setLoginUid

Set the login uid of the process (*/proc/self/loginuid*) for auditing purposes. The login uid is only set by 'entry points' like **login** and **sshd**, not by commands like **sudo**.

Type: boolean

Declared by:

<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.showMotd

Whether to show the message of the day.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.slurm.enable

If set, ONLY prevents users from logging into nodes if they have no jobs in the node. This module is a legacy implementation with functionality limited to login restrictions.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.slurm.adopt.enable

If set, it prevents users from logging into nodes if they have no jobs in the node. It also tracks any other spawned processes for accounting and ensures complete job cleanup when a job is completed for any successful connection. Spawned processes get "adopted" as external steps into the current job. As such, those steps get integrated with Slurm accounting and control group facilities.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.slurm.adopt.settings

Slurm Adopt Settings. More information is available at:

- https://slurm.schedmd.com/pam_slurm_adopt.html

Type: open submodule of attribute set of (null or boolean or string or signed integer or path in the Nix store)

Default:

```
{
  service = "‹name›";
}
```

Declared by:

<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.slurm.adopt.settings.action_adopt_failure

What to do if the process is unable to be adopted into a job. ‘allow’ matches the upstream default which is only really suitable for testing; production systems will want ‘deny’ as a default.

Type: one of “allow”, “deny”

Default:

```
"deny"
```

Declared by:

<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.slurm.adopt.settings.action_generic_failure

Catch all for failures related to kernel issues or slurmd access. Ignore falls through to the next PAM module, allowing the connection to go through without adoption.

Type: one of “ignore”, “allow”, “deny”

Default:

```
"ignore"
```

Declared by:

<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.slurm.adopt.settings.action_no_jobs

What to do if no jobs from the user are found, deny or ignore (pass along to next PAM module).

Type: one of “ignore”, “deny”

Default:

```
"deny"
```

Declared by:

<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.slurm.adopt.settings.action_unknown

If the user has jobs, attach them to the newest job. Allow the connection through without adoption.

Type: one of “newest”, “allow”, “deny”

Default:

```
"newest"
```

Declared by:

<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.slurm.adopt.settings.disable_x11

Disable or enable x11 sessions. ‘0’ means the adopted connection has Slurm X11 forwarding with DISPLAY overwritten using X11 tunnel endpoint details.

Type: one of “0”, “1”

Default:

```
"0"
```

Declared by:

<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.slurm.adopt.settings.join_container

Attach to a container created by job_container/tmpfs

Type: one of “true”, “false”

Default:

```
"true"
```

Declared by:

<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.slurm.adopt.settings.nodename

Set this only when the Slurm ‘NodeName’ for this machine differs from ‘hostname −s’. If unset, ‘pam_slurm_adopt’ uses the host short name.

Type: null or non−empty string

Default:

```
null
```

Example:

```
"compute−a−01"
```

Declared by:

<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.sshAgentAuth

If set, the calling user’s SSH agent is used to authenticate against the keys in the calling user’s *~/.ssh/authorized_keys*. This is useful for **sudo** on password−less remote systems.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.sssdStrictAccess

enforce sssd access control

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.startSession

If set, the service will register a new session with systemd’s login manager. For local sessions, this will give the user access to audio devices, CD−ROM drives. In the default PolicyKit configuration, it also allows the user to reboot the system.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.text
Contents of the PAM service file.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.ttyAudit.enable
Enable or disable TTY auditing for specified users

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.ttyAudit.enablePattern
For each user matching one of comma−separated glob patterns, enable TTY auditing

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.ttyAudit.disablePattern
For each user matching one of comma−separated glob patterns, disable TTY auditing

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.ttyAudit.openOnly
Set the TTY audit flag when opening the session, but do not restore it when closing the session. Using this option is necessary for some services that don't fork() to run the authenticated session, such as sudo.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.u2f.enable
If set, users listed in *$XDG_CONFIG_HOME/Yubico/u2f_keys* (or *$HOME/.config/Yubico/u2f_keys* if XDG variable is not set) are able to log in with the associated U2F key. Path can be changed using **security.pam.u2f.authFile** option.

Type: boolean

Default:

```
config.security.pam.u2f.enable
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.u2f.control
This option sets pam “control”. If you want to have multi factor authentication, use “required”. If you want to use U2F device instead of regular password, use “sufficient”.

Read **pam.conf**(5) for better understanding of this option.

Type: one of “required”, “requisite”, “sufficient”, “optional”

Default:

```
config.security.pam.u2f.control
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.unixAuth
Whether users can log in with passwords defined in */etc/shadow*.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.updateWtmp
Whether to update */var/log/wtmp*.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.usshAuth
If set, users with an SSH certificate containing an authorized principal in their SSH agent are able to log in. Specific options are controlled using the **security.pam.ussh** options.

Note that the **security.pam.ussh.enable** must also be set for this option to take effect.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.yubicoAuth
If set, users listed in *~/.yubico/authorized_yubikeys* are able to log in with the associated Yubikey tokens.

Type: boolean

Default:

```
config.security.pam.yubico.enable
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.services.<name>.zfs
Enable unlocking and mounting of encrypted ZFS home dataset at login.

Type: boolean

Default:

```
config.security.pam.zfs.enable
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.sshAgentAuth.enable
Whether to enable authenticating using a signature performed by the ssh−agent. This allows using SSH keys exclusively, instead of passwords, for instance on remote machines .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.sshAgentAuth.authorizedKeysFiles
A list of paths to files in OpenSSH's 'authorized_keys' format, containing the keys that will be trusted by the 'pam_ssh_agent_auth' module.

The following patterns are expanded when interpreting the path:

- '%f' and '%H' respectively expand to the fully−qualified and short hostname ;
- '%u' expands to the username ;
- '~' or '%h' expands to the user's home directory.

Note
Specifying user−writeable files here result in an insecure configuration: a malicious process can then edit such an authorized_keys file and bypass the ssh−agent−based authentication.

See **issue #31611**

Type: list of string

Default:

```
[
  "/etc/ssh/authorized_keys.d/%u"
]
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.u2f.enable
Enables U2F PAM ('pam−u2f') module.

If set, users listed in *$XDG_CONFIG_HOME/Yubico/u2f_keys* (or *$HOME/.config/Yubico/u2f_keys* if XDG variable is not set) are able to log in with the associated U2F key. The path can be changed using **security.pam.u2f.authFile** option.

File format is:

```
<username1>:<KeyHandle1>,<UserKey1>,<CoseType1>,<Options1>:<KeyHand \
le2>,<UserKey2>,<CoseType2>,<Options2>:...
<username2>:<KeyHandle1>,<UserKey1>,<CoseType1>,<Options1>:<KeyHand \
le2>,<UserKey2>,<CoseType2>,<Options2>:...
```

This file can be generated using **pamu2fcfg** command.

More information can be found **here**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.u2f.control

This option sets pam “control”. If you want to have multi factor authentication, use “required”. If you want to use U2F device instead of regular password, use “sufficient”.

Read **pam.conf**(5) for better understanding of this option.

Type: one of “required”, “requisite”, “sufficient”, “optional”

Default:

```
"sufficient"
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.u2f.settings

Options to pass to the PAM module.

Boolean values render just the key if true, and nothing if false. Null values are ignored. All other values are rendered as key−value pairs.

Type: open submodule of attribute set of (null or boolean or string or signed integer or path in the Nix store)

Default:

```
{ }
```

Example:

```
{
  authfile = "/etc/u2f_keys";
  authpending_file = "";
  pinverification = 1;
  userpresence = 0;
}
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.u2f.settings.appid

By default ‘pam−u2f’ module sets the application ID to ‘pam://$HOSTNAME’.

When using **pamu2fcfg**, you can specify your application ID with the ‘−i’ flag.

More information can be found **here**

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.u2f.settings.authfile
By default ‘pam−u2f’ module reads the keys from *$XDG_CONFIG_HOME/Yubico/u2f_keys* (or *$HOME/.config/Yubico/u2f_keys* if XDG variable is not set).

If you want to change auth file locations or centralize database (for example use */etc/u2f−mappings*) you can set this option.

File format is: ‘username:first_keyHandle,first_public_key: second_keyHandle,second_public_key’ This file can be generated using **pamu2fcfg** command.

More information can be found **here**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.u2f.settings.cue
By default ‘pam−u2f’ module does not inform user that he needs to use the u2f device, it just waits without a prompt.

If you set this option to ‘true’, ‘cue’ option is added to ‘pam−u2f’ module and reminder message will be displayed.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.u2f.settings.debug
Debug output to stderr.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.u2f.settings.interactive
Set to prompt a message and wait before testing the presence of a U2F device. Recommended if your device doesn’t have a tactile trigger.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.u2f.settings.origin

By default ‘pam−u2f’ module sets the origin to ‘pam://$HOSTNAME’. Setting origin to an host independent value will allow you to reuse credentials across machines

When using **pamu2fcfg**, you can specify your application ID with the ‘−o’ flag.

More information can be found **here**

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/security/pam.nix>

security.pam.ussh.enable

Enables Uber’s USSH PAM (‘pam−ussh’) module.

This is similar to ‘pam−ssh−agent’, except that the presence of a CA−signed SSH key with a valid principal is checked instead.

Note that this module must both be enabled using this option and on a per−PAM−service level as well (using ‘usshAuth’).

More information can be found **here**.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/security/pam.nix>

security.pam.ussh.authorizedPrincipals

Comma−separated list of authorized principals to permit; if the user presents a certificate with one of these principals, then they will be authorized.

Note that ‘pam−ussh’ also requires that the certificate contain a principal matching the user’s username. The principals from this list are in addition to those principals.

Mutually exclusive with ‘authorizedPrincipalsFile’.

Type: null or strings concatenated with “,”

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/security/pam.nix>

security.pam.ussh.authorizedPrincipalsFile

Path to a list of principals; if the user presents a certificate with one of these principals, then they will be authorized.

Note that ‘pam−ussh’ also requires that the certificate contain a principal matching the user’s username. The principals from this file are in addition to those principals.

Mutually exclusive with ‘authorizedPrincipals’.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.ussh.caFile
By default ‘pam−ussh’ reads the trusted user CA keys from */etc/ssh/trusted_user_ca*.

This should be set the same as your ‘TrustedUserCAKeys’ option for sshd.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.ussh.control
This option sets pam “control”. If you want to have multi factor authentication, use “required”. If you want to use the SSH certificate instead of the regular password, use “sufficient”.

Read **pam.conf**(5) for better understanding of this option.

Type: one of “required”, “requisite”, “sufficient”, “optional”

Default:

```
"sufficient"
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.ussh.group
If set, then the authenticating user must be a member of this group to use this module.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.yubico.enable
Enables Yubico PAM (‘yubico−pam’) module.

If set, users listed in *~/.yubico/authorized_yubikeys* are able to log in with the associated Yubikey tokens.

The file must have only one line: ‘username:yubikey_token_id1:yubikey_token_id2’ More information can be found **here**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.yubico.challengeResponsePath
If not null, set the path used by yubico pam module where the challenge expected response is stored.

More information can be found **here**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.yubico.control
This option sets pam “control”. If you want to have multi factor authentication, use “required”. If you want to use Yubikey instead of regular password, use “sufficient”.

Read **pam.conf**(5) for better understanding of this option.

Type: one of “required”, “requisite”, “sufficient”, “optional”

Default:

```
"sufficient"
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.yubico.debug
Debug output to stderr.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.yubico.id
client id

Type: string

Example:

```
"42"
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.yubico.mode
Mode of operation.

Use “client” for online validation with a YubiKey validation service such as the YubiCloud.

Use “challenge−response” for offline validation using YubiKeys with HMAC−SHA−1 Challenge−Response configurations. See the man−page **ykpamcfg**(1) for further details on how to configure offline Challenge−Response validation.

More information can be found **here**.

Type: one of “client”, “challenge−response”

Default:

```
"client"
```

Declared by:
<nixpkgs/nixos/modules/security/pam.nix>

security.pam.zfs.enable

Enable unlocking and mounting of encrypted ZFS home dataset at login.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/security/pam.nix>

security.pam.zfs.homes

Prefix of home datasets. This value will be concatenated with ‘"/" + <username>’ in order to determine the home dataset to unlock.

Type: string

Default:

```
"rpool/home"
```

Example:

```
"rpool/home"
```

Declared by:

<nixpkgs/nixos/modules/security/pam.nix>

security.pam.zfs.mountRecursively

Mount child datasets of home dataset.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/security/pam.nix>

security.pam.zfs.noUnmount

Do not unmount home dataset on logout.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/security/pam.nix>

security.pki.caBundle

(Read−only) the path to the final bundle of certificate authorities as a single file.

Type: absolute path *(read only)*

Declared by:

<nixpkgs/nixos/modules/security/ca.nix>

security.pki.caCertificateBlacklist

A list of blacklisted CA certificate names that won’t be imported from the Mozilla Trust Store into */etc/ssl/certs/ca−certificates.crt*. Use the names from that file.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "WoSign"
  "WoSign China"
  "CA WoSign ECC Root"
  "Certification Authority of WoSign G2"
]
```

Declared by:
<nixpkgs/nixos/modules/security/ca.nix>

security.pki.certificateFiles
A list of files containing trusted root certificates in PEM format. These are concatenated to form */etc/ssl/certs/ca−certificates.crt*, which is used by many programs that use OpenSSL, such as **curl** and **git**.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[ "${pkgs.dn42−cacert}/etc/ssl/certs/dn42−ca.crt" ]
```

Declared by:
<nixpkgs/nixos/modules/security/ca.nix>

security.pki.certificates
A list of trusted root certificates in PEM format.

Type: list of string

Default:

```
[ ]
```

Example:

```
[ ''
    NixOS.org
    =========
    −−−−−BEGIN CERTIFICATE−−−−−
    MIIGUDCCBTigAwIBAgIDD8KWMA0GCSqGSIb3DQEBBQUAMIGMMQswCQYDVQQGEwJ \
J
    TDEWMBQGA1UEChMNU3RhcnRDb20gTHRkLjErMCkGA1UECxMiU2VjdXJlIERpZ2l \
0
    ...
    −−−−−END CERTIFICATE−−−−−
  ''
]
```

Declared by:
<nixpkgs/nixos/modules/security/ca.nix>

security.pki.useCompatibleBundle
Whether to enable usage of a compatibility bundle.

Such a bundle consists exclusively of ‘BEGIN CERTIFICATE’ and no ‘BEGIN TRUSTED CERTIFICATE’, which is an OpenSSL specific PEM format.

It is known to be incompatible with certain software stacks.

Nevertheless, enabling this will strip all additional trust rules provided by the certificates themselves.

This can have security consequences depending on your usecases .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/security/ca.nix>

security.please.enable
Whether to enable please, a Sudo clone which allows a users to execute a command or edit a file as another user .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/security/please.nix>

security.please.package
The please package to use.

Type: package

Default:

```
pkgs.please
```

Declared by:
<nixpkgs/nixos/modules/security/please.nix>

security.please.settings
Please configuration. Refer to **https://github.com/edneville/please/blob/master/please.ini.md** for details.

Type: attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Example:

```
{
  jim_edit_etc_hosts_as_root = {
    editmode = 644;
    name = "jim";
    require_pass = true;
    rule = "/etc/hosts";
    target = "root";
    type = "edit";
  };
  jim_run_any_as_root = {
    name = "jim";
```

```
      require_pass = false;
      rule = ".*";
      target = "root";
      type = "run";
    };
  }
```

Declared by:
<nixpkgs/nixos/modules/security/please.nix>

security.please.wheelNeedsPassword
Whether users of the ‘wheel’ group must provide a password to run commands or edit files with **please** and **pleaseedit** respectively.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/security/please.nix>

security.polkit.enable
Whether to enable polkit.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/security/polkit.nix>

security.polkit.package
The polkit package to use.

Type: package

Default:

```
pkgs.polkit
```

Declared by:
<nixpkgs/nixos/modules/security/polkit.nix>

security.polkit.adminIdentities
Specifies which users are considered “administrators”, for those actions that require the user to authenticate as an administrator (i.e. have an ‘auth_admin’ value). By default, this is all users in the ‘wheel’ group.

Type: list of string

Default:

```
[
  "unix-group:wheel"
]
```

Example:

```
[
```

```
  "unix-user:alice"
  "unix-group:admin"
]
```

Declared by:
<nixpkgs/nixos/modules/security/polkit.nix>

security.polkit.debug
Whether to enable debug logs from polkit. This is required in order to see log messages from rule definitions.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/security/polkit.nix>

security.polkit.extraConfig
Any polkit rules to be added to config (in JavaScript ;−). See: **https://www.freedesktop.org/software/polkit/docs/latest/polkit.8.html#polkit−rules**

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
  /* Log authorization checks. */
  polkit.addRule(function(action, subject) {
    // Make sure to set { security.polkit.debug = true; } in config \
uration.nix
    polkit.log("user " +  subject.user + " is attempting action " + \
 action.id + " from PID " + subject.pid);
  });

  /* Allow any local user to do anything (dangerous!). */
  polkit.addRule(function(action, subject) {
    if (subject.local) return "yes";
  });
```

Declared by:
<nixpkgs/nixos/modules/security/polkit.nix>

security.protectKernelImage
Whether to prevent replacing the running kernel image.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/misc.nix>

security.rtkit.enable

Whether to enable the RealtimeKit system service, which hands out realtime scheduling priority to user processes on demand. For example, PulseAudio and PipeWire use this to acquire realtime priority.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/security/rtkit.nix>

security.rtkit.package

The rtkit package to use.

Type: package

Default:

```
pkgs.rtkit
```

Declared by:

<nixpkgs/nixos/modules/security/rtkit.nix>

security.rtkit.args

Command−line options for ‘rtkit−daemon’.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--our-realtime-priority=29"
  "--max-realtime-priority=28"
]
```

Declared by:

<nixpkgs/nixos/modules/security/rtkit.nix>

security.run0.enableSudoAlias

Whether to enable make **sudo** an alias to **run0**…

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/security/run0.nix>

security.run0.wheelNeedsPassword

Whether users of the ‘wheel’ group must provide a password to run commands as super user via **run0**.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/security/run0.nix>

security.shadow.enable
Enable the shadow authentication suite, which provides critical programs such as su, login, passwd.

Note: This is currently experimental. Only disable this if you're confident that you can recover your system if it breaks.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/programs/shadow.nix>

security.shadow.su.package
The su package to use. This can be overridden by other modules (e.g. sudo−rs) to provide an alternative 'su' implementation.

Type: package

Default:

```
pkgs.shadow.su
```

Declared by:
<nixpkgs/nixos/modules/programs/shadow.nix>

security.soteria.enable
Whether to enable Soteria, a Polkit authentication agent for any desktop environment.

Note
You should only enable this if you are on a Desktop Environment that does not provide a graphical polkit authentication agent, or you are on a standalone window manager or Wayland compositor.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/security/soteria.nix>

security.soteria.package
The soteria package to use.

Type: package

Default:

```
pkgs.soteria
```

Declared by:
<nixpkgs/nixos/modules/security/soteria.nix>

security.sudo.enable

Whether to enable the **sudo** command, which allows non−root users to execute commands as root.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/security/sudo.nix>

security.sudo.package

The sudo package to use.

Type: package

Default:

```
pkgs.sudo
```

Declared by:

<nixpkgs/nixos/modules/security/sudo.nix>

security.sudo.configFile

This string contains the contents of the *sudoers* file.

Type: strings concatenated with “\n”

Declared by:

<nixpkgs/nixos/modules/security/sudo.nix>

security.sudo.defaultOptions

Options used for the default rules, granting ‘root’ and the ‘wheel’ group permission to run any command as any user.

Type: list of string

Default:

```
[
  "SETENV"
]
```

Declared by:

<nixpkgs/nixos/modules/security/sudo.nix>

security.sudo.execWheelOnly

Only allow members of the ‘wheel’ group to execute sudo by setting the executable’s permissions accordingly. This prevents users that are not members of ‘wheel’ from exploiting vulnerabilities in sudo such as CVE−2021−3156.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/security/sudo.nix>

security.sudo.extraConfig

Extra configuration text appended to *sudoers*.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/security/sudo.nix>

security.sudo.extraRules
Define specific rules to be in the *sudoers* file. More specific rules should come after more general ones in order to yield the expected behavior. You can use mkBefore/mkAfter to ensure this is the case when configuration options are merged.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  # Allow execution of any command by all users in group sudo,
  # requiring a password.
  { groups = [ "sudo" ]; commands = [ "ALL" ]; }
  # Allow execution of "/home/root/secret.sh" by user ‘backup‘, ‘da \
tabase‘
  # and the group with GID ‘1006‘ without a password.
  { users = [ "backup" "database" ]; groups = [ 1006 ];
    commands = [ { command = "/home/root/secret.sh"; options = [ "S \
ETENV" "NOPASSWD" ]; } ]; }
  # Allow all users of group ‘bar‘ to run two executables as user ‘ \
foo‘
  # with arguments being pre-set.
  { groups = [ "bar" ]; runAs = "foo";
    commands =
      [ "/home/baz/cmd1.sh hello-sudo"
          { command = ’’/home/baz/cmd2.sh ""’’; options = [ "SETENV \
" ]; } ]; }
]
```

Declared by:
<nixpkgs/nixos/modules/security/sudo.nix>

security.sudo.extraRules.*.commands
The commands for which the rule should apply.

Type: list of (string or (submodule))

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/security/sudo.nix>

security.sudo.extraRules.*.groups
The groups / GIDs this rule should apply for.

Type: list of (string or signed integer)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/security/sudo.nix>

security.sudo.extraRules.*.host
For what host this rule should apply.

Type: string

Default:

```
"ALL"
```

Declared by:
<nixpkgs/nixos/modules/security/sudo.nix>

security.sudo.extraRules.*.runAs
Under which user/group the specified command is allowed to run.

A user can be specified using just the username: ‘"foo"’. It is also possible to specify a user/group combination using ‘"foo:bar"’ or to only allow running as a specific group with ‘":bar"’.

Type: string

Default:

```
"ALL:ALL"
```

Declared by:
<nixpkgs/nixos/modules/security/sudo.nix>

security.sudo.extraRules.*.users
The usernames / UIDs this rule should apply for.

Type: list of (string or signed integer)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/security/sudo.nix>

security.sudo.keepTerminfo
Whether to preserve the ‘TERMINFO’ and ‘TERMINFO_DIRS’ environment variables, for ‘root’ and the ‘wheel’ group.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/config/terminfo.nix>

security.sudo.wheelNeedsPassword
Whether users of the ‘wheel’ group must provide a password to run commands as super user via **sudo**.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/security/sudo.nix>

security.sudo−rs.enable

Whether to enable a memory−safe implementation of the **sudo** command, which allows non−root users to execute commands as root .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/security/sudo−rs.nix>

security.sudo−rs.package

The sudo−rs package to use.

Type: package

Default:

```
pkgs.sudo-rs
```

Declared by:

<nixpkgs/nixos/modules/security/sudo−rs.nix>

security.sudo−rs.configFile

This string contains the contents of the *sudoers* file.

Type: strings concatenated with "\n"

Declared by:

<nixpkgs/nixos/modules/security/sudo−rs.nix>

security.sudo−rs.defaultOptions

Options used for the default rules, granting 'root' and the 'wheel' group permission to run any command as any user.

Type: list of string

Default:

```
[
  "SETENV"
]
```

Declared by:

<nixpkgs/nixos/modules/security/sudo−rs.nix>

security.sudo−rs.execWheelOnly

Only allow members of the 'wheel' group to execute sudo by setting the executable's permissions accordingly. This prevents users that are not members of 'wheel' from exploiting vulnerabilities in sudo such as CVE−2021−3156.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/security/sudo−rs.nix>

security.sudo−rs.extraConfig

Extra configuration text appended to *sudoers*.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/security/sudo−rs.nix>

security.sudo−rs.extraRules

Define specific rules to be in the *sudoers* file. More specific rules should come after more general ones in order to yield the expected behavior. You can use ‘lib.mkBefore’/‘lib.mkAfter’ to ensure this is the case when configuration options are merged.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  # Allow execution of any command by all users in group sudo,
  # requiring a password.
  { groups = [ "sudo" ]; commands = [ "ALL" ]; }
  # Allow execution of "/home/root/secret.sh" by user ‘backup‘, ‘da \
tabase‘
  # and the group with GID ‘1006‘ without a password.
  { users = [ "backup" "database" ]; groups = [ 1006 ];
    commands = [ { command = "/home/root/secret.sh"; options = [ "S \
ETENV" "NOPASSWD" ]; } ]; }
  # Allow all users of group ‘bar‘ to run two executables as user ‘ \
foo‘
  # with arguments being pre−set.
  { groups = [ "bar" ]; runAs = "foo";
    commands =
      [ "/home/baz/cmd1.sh hello−sudo"
          { command = ’’/home/baz/cmd2.sh ""’’; options = [ "SETENV \
" ]; } ]; }
]
```

Declared by:

<nixpkgs/nixos/modules/security/sudo−rs.nix>

security.sudo−rs.extraRules.*.commands

The commands for which the rule should apply.

Type: list of (string or (submodule))

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/security/sudo−rs.nix>

security.sudo-rs.extraRules.*.groups
The groups / GIDs this rule should apply for.

Type: list of (string or signed integer)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/security/sudo-rs.nix>

security.sudo-rs.extraRules.*.host
For what host this rule should apply.

Type: string

Default:

```
"ALL"
```

Declared by:
<nixpkgs/nixos/modules/security/sudo-rs.nix>

security.sudo-rs.extraRules.*.runAs
Under which user/group the specified command is allowed to run.

A user can be specified using just the username: ‘"foo"’. It is also possible to specify a user/group combination using ‘"foo:bar"’ or to only allow running as a specific group with ‘":bar"’.

Type: string

Default:

```
"ALL:ALL"
```

Declared by:
<nixpkgs/nixos/modules/security/sudo-rs.nix>

security.sudo-rs.extraRules.*.users
The usernames / UIDs this rule should apply for.

Type: list of (string or signed integer)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/security/sudo-rs.nix>

security.sudo-rs.wheelNeedsPassword
Whether users of the ‘wheel’ group must provide a password to run commands as super user via **sudo**.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/security/sudo-rs.nix>

security.tpm2.enable
Whether to enable Trusted Platform Module 2 support.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/security/tpm2.nix>

security.tpm2.abrmd.enable
Whether to enable Trusted Platform 2 userspace resource manager daemon .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/security/tpm2.nix>

security.tpm2.abrmd.package
The tpm2−abrmd package to use.

Type: package

Default:

```
pkgs.tpm2−abrmd
```

Declared by:
<nixpkgs/nixos/modules/security/tpm2.nix>

security.tpm2.applyUdevRules
Whether to make the /dev/tpm[0−9] devices accessible by the tssUser, or the /dev/tpmrm[0−9] by tssGroup respectively

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/security/tpm2.nix>

security.tpm2.fapi.ekCertLess
A switch to disable Endorsement Key (EK) certificate verification.

A value of null indicates that the generated fapi config file does not contain a ek_cert_less key. The effect of not having that key at all is the same as setting its value to false.

A value of false means that the tss2 cli will not work if there is no EK Cert installed, or if the installed EK Cert can’t be validated.

A value of true means that the tss2 cli will work even if there’s no EK cert installed.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/security/tpm2.nix>

security.tpm2.fapi.ekFingerprint
The fingerprint of the endorsement key.

A value of null means that you have chosen not to specify the expected fingerprint of the EK. You can still have an endorsement key, it just won't get checked to see if it's fingerprint matches a particular value before being used.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/security/tpm2.nix>

security.tpm2.fapi.firmwareLogFile
The binary bios measurements.

Type: string

Default:

```
"/sys/kernel/security/tpm0/binary_bios_measurements"
```

Declared by:
<nixpkgs/nixos/modules/security/tpm2.nix>

security.tpm2.fapi.imaLogFile
The binary IMA measurements (Integrity Measurement Architecture).

Type: string

Default:

```
"/sys/kernel/security/ima/binary_runtime_measurements"
```

Declared by:
<nixpkgs/nixos/modules/security/tpm2.nix>

security.tpm2.fapi.logDir
The directory for the event log.

Type: string

Default:

```
"/var/log/tpm2-tss/eventlog/"
```

Declared by:
<nixpkgs/nixos/modules/security/tpm2.nix>

security.tpm2.fapi.profileDir
Directory that contains all cryptographic profiles known to FAPI.

Type: string

Default:

```
${pkgs.tpm2-tss}/etc/fapi-profiles/
```

Declared by:
<nixpkgs/nixos/modules/security/tpm2.nix>

security.tpm2.fapi.profileName

Name of the default cryptographic profile chosen from the profile_dir directory.

Type: string

Default:

```
"P_ECCP256SHA256"
```

Declared by:

<nixpkgs/nixos/modules/security/tpm2.nix>

security.tpm2.fapi.systemDir

The directory where system objects, policies, and imported objects are stored.

Type: string

Default:

```
"/var/lib/tpm2-tss/keystore"
```

Declared by:

<nixpkgs/nixos/modules/security/tpm2.nix>

security.tpm2.fapi.systemPcrs

The PCR registers which are used by the system.

Type: list of signed integer

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/security/tpm2.nix>

security.tpm2.fapi.tcti

The TCTI which will be used.

An empty string indicates no TCTI is specified by the FAPI config.

If not specified in the FAPI config it can be specified by environment variable (TPM2TOOLS_TCTI, TPM2_PKCS11_TCTI, etc) or a TCTI will be chosen by the FAPI library by searching for tabrmd, device, and mssim TCTIs in that order.

Type: string

Default:

```
""
```

Example:

```
"device:/dev/tpmrm0"
```

Declared by:

<nixpkgs/nixos/modules/security/tpm2.nix>

security.tpm2.fapi.userDir

The directory where user objects are stored.

Type: string

Default:

```
"~/.local/share/tpm2-tss/user/keystore/"
```

Declared by:
<nixpkgs/nixos/modules/security/tpm2.nix>

security.tpm2.pkcs11.enable
Whether to enable TPM2 PKCS#11 tool and shared library in system path (‘/run/current−system/sw/lib/libtpm2_pkcs11.so’) .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/security/tpm2.nix>

security.tpm2.pkcs11.package
tpm2−pkcs11 package to use

Type: package

Default:

```
if config.security.tpm2.abrmd.enable then pkgs.tpm2−pkcs11.abrmd e \
lse pkgs.tpm2−pkcs11
```

Declared by:
<nixpkgs/nixos/modules/security/tpm2.nix>

security.tpm2.tctiEnvironment.enable
Set common TCTI environment variables to the specified value. The variables are

- ‘TPM2TOOLS_TCTI’
- ‘TPM2_PKCS11_TCTI’

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/tpm2.nix>

security.tpm2.tctiEnvironment.deviceConf
Configuration part of the device TCTI, e.g. the path to the TPM device. Applies if interface is set to “device”. The format is specified in the **tpm2−tools repository**.

Type: string

Default:

```
"/dev/tpmrm0"
```

Declared by:
<nixpkgs/nixos/modules/security/tpm2.nix>

security.tpm2.tctiEnvironment.interface
The name of the TPM command transmission interface (TCTI) library to use.

Type: one of “tabrmd”, “device”

Default:

```
"device"
```

Declared by:
<nixpkgs/nixos/modules/security/tpm2.nix>

security.tpm2.tctiEnvironment.tabrmdConf
Configuration part of the tabrmd TCTI, like the D−Bus bus name. Applies if interface is set to “tabrmd”. The format is specified in the **tpm2−tools repository**.

Type: string

Default:

```
"bus_name=com.intel.tss2.Tabrmd"
```

Declared by:
<nixpkgs/nixos/modules/security/tpm2.nix>

security.tpm2.tssGroup
Group of the tpm kernel resource manager (tpmrm) device−group, set if applyUdevRules is set.

Type: null or string

Default:

```
"tss"
```

Declared by:
<nixpkgs/nixos/modules/security/tpm2.nix>

security.tpm2.tssUser
Name of the tpm device−owner and service user, set if applyUdevRules is set.

Type: null or string

Default:

```
if config.security.tpm2.abrmd.enable then "tss" else "root"
```

Declared by:
<nixpkgs/nixos/modules/security/tpm2.nix>

security.unprivilegedUsernsClone
When disabled, unprivileged users will not be able to create new namespaces. By default unprivileged user namespaces are disabled. This option only works in a hardened profile.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/misc.nix>

security.virtualisation.flushL1DataCache
Whether the hypervisor should flush the L1 data cache before entering guests. See also **security.allowSimultaneousMultithreading**.

- ‘null’: uses the kernel default
- ‘"never"’: disables L1 data cache flushing entirely. May be appropriate if all guests are trusted.
- ‘"cond"’: flushes L1 data cache only for pre−determined code paths. May leak information about the host address space layout.
- ‘"always"’: flushes L1 data cache every time the hypervisor enters the guest. May incur significant performance cost.

Type: null or one of “never”, “cond”, “always”

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/security/misc.nix>

security.wrapperDirSize

Size limit for the /run/wrappers tmpfs. Look at **mount**(8), tmpfs size option, for the accepted syntax. WARNING: don't set to less than 64MB.

Type: string

Default:

```
"50%"
```

Example:

```
"10G"
```

Declared by:

<nixpkgs/nixos/modules/security/wrappers/default.nix>

security.wrappers

This option effectively allows adding setuid/setgid bits, capabilities, changing file ownership and permissions of a program without directly modifying it. This works by creating a wrapper program in a directory (not configurable), which is then added to the shell 'PATH'.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  # a setuid root program
  doas =
    { setuid = true;
      owner = "root";
      group = "root";
      source = "${pkgs.doas}/bin/doas";
    };
  # a setgid program
  locate =
    { setgid = true;
      owner = "root";
      group = "mlocate";
      source = "${pkgs.locate}/bin/locate";
    };
  # a program with the CAP_NET_RAW capability
  ping =
    { owner = "root";
      group = "root";
      capabilities = "cap_net_raw+ep";
      source = "${pkgs.iputils.out}/bin/ping";
    };
}
```

Declared by:
<nixpkgs/nixos/modules/security/wrappers/default.nix>

security.wrappers.<name>.enable
Whether to enable the wrapper.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/security/wrappers/default.nix>

security.wrappers.<name>.capabilities
A comma−separated list of capability clauses to be given to the wrapper program. The format for capability clauses is described in the “TEXTUAL REPRESENTATION” section of the **cap_from_text**(3) manual page. For a list of capabilities supported by the system, check the **capabilities**(7) manual page.

Note
‘cap_setpcap’, which is required for the wrapper program to be able to raise caps into the Ambient set is NOT raised to the Ambient set so that the real program cannot modify its own capabilities!! This may be too restrictive for cases in which the real program needs cap_setpcap but it at least leans on the side security paranoid vs. too relaxed.

Type: strings concatenated with “,”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/security/wrappers/default.nix>

security.wrappers.<name>.group
The group of the wrapper program.

Type: string

Declared by:
<nixpkgs/nixos/modules/security/wrappers/default.nix>

security.wrappers.<name>.owner
The owner of the wrapper program.

Type: string

Declared by:
<nixpkgs/nixos/modules/security/wrappers/default.nix>

security.wrappers.<name>.permissions
The permissions of the wrapper program. The format is that of a symbolic or numeric file mode understood by **chmod**.

Type: file mode string

Default:

```
"u+rx,g+x,o+x"
```

Example:

```
"a+rx"
```

Declared by:
<nixpkgs/nixos/modules/security/wrappers/default.nix>

security.wrappers.<name>.program
The name of the wrapper program. Defaults to the attribute name.

Type: null or string

Default:

```
"‹name›"
```

Declared by:
<nixpkgs/nixos/modules/security/wrappers/default.nix>

security.wrappers.<name>.setgid
Whether to add the setgid bit the wrapper program.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/wrappers/default.nix>

security.wrappers.<name>.setuid
Whether to add the setuid bit the wrapper program.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/wrappers/default.nix>

security.wrappers.<name>.source
The absolute path to the program to be wrapped.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/security/wrappers/default.nix>

services.packagekit.enable
Whether to enable PackageKit, a cross−platform D−Bus abstraction layer for installing software. Software utilizing PackageKit can install software regardless of the package manager .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/packagekit.nix>

services.packagekit.settings

Additional settings passed straight through to PackageKit.conf

Type: attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/misc/packagekit.nix>

services.packagekit.vendorSettings

Additional settings passed straight through to Vendor.conf

Type: attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/misc/packagekit.nix>

services.SystemdJournal2Gelf.enable

Whether to enable SystemdJournal2Gelf.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/logging/SystemdJournal2Gelf.nix>

services.SystemdJournal2Gelf.package

The systemd−journal2gelf package to use.

Type: package

Default:

```
pkgs.systemd-journal2gelf
```

Declared by:

<nixpkgs/nixos/modules/services/logging/SystemdJournal2Gelf.nix>

services.SystemdJournal2Gelf.extraOptions

Any extra flags to pass to SystemdJournal2Gelf. Note that these are basically ‘journalctl’ flags.

Type: strings concatenated with " "

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/logging/SystemdJournal2Gelf.nix>

services.SystemdJournal2Gelf.graylogServer

Host and port of your graylog2 input. This should be a GELF UDP input.

Type: string

Example:

```
"graylog2.example.com:11201"
```

Declared by:
<nixpkgs/nixos/modules/services/logging/SystemdJournal2Gelf.nix>

services._3proxy.enable
Whether to enable 3proxy.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/3proxy.nix>

services._3proxy.confFile
Ignore all other 3proxy options and load configuration from this file.

Type: absolute path

Example:

```
"/var/lib/3proxy/3proxy.conf"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/3proxy.nix>

services._3proxy.denyPrivate
Whether to deny access to private IP ranges including loopback.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/3proxy.nix>

services._3proxy.extraConfig
Extra configuration, appended to the 3proxy configuration file. Consult **documentation** for available options.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/3proxy.nix>

services._3proxy.privateRanges
What IP ranges to deny access when denyPrivate is set tu true.

Type: list of string

Default:

```
[
  "0.0.0.0/8"
  "127.0.0.0/8"
  "10.0.0.0/8"
  "100.64.0.0/10"
  "172.16.0.0/12"
```

```
  "192.168.0.0/16"
  "::"
  "::1"
  "fc00::/7"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/3proxy.nix>

services._3proxy.resolution
Use this option to configure name resolution and DNS caching.

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/3proxy.nix>

services._3proxy.resolution.nscache
Set name cache size for IPv4.

Type: signed integer

Default:

```
65535
```

Declared by:
<nixpkgs/nixos/modules/services/networking/3proxy.nix>

services._3proxy.resolution.nscache6
Set name cache size for IPv6.

Type: signed integer

Default:

```
65535
```

Declared by:
<nixpkgs/nixos/modules/services/networking/3proxy.nix>

services._3proxy.resolution.nserver
List of nameservers to use.

Up to 5 nservers may be specified. If no nserver is configured, default system name resolution functions are used.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "127.0.0.53"
  "192.168.1.3:5353/tcp"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/3proxy.nix>

services._3proxy.resolution.nsrecord
Adds static nsrecords.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  "files.local" = "192.168.1.12";
  "site.local" = "192.168.1.43";
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/3proxy.nix>

services._3proxy.services
Use this option to define 3proxy services.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    type = "proxy";
    bindAddress = "192.168.1.24";
    bindPort = 3128;
    auth = [ "none" ];
  }
  {
    type = "proxy";
    bindAddress = "10.10.1.20";
    bindPort = 3128;
    auth = [ "iponly" ];
  }
  {
    type = "socks";
    bindAddress = "172.17.0.1";
    bindPort = 1080;
    auth = [ "strong" ];
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/3proxy.nix>

services._3proxy.services.*.acl

Use this option to limit user access to resources.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    rule = "allow";
    users = [ "user1" ];
  }
  {
    rule = "allow";
    sources = [ "192.168.1.0/24" ];
  }
  {
    rule = "deny";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/3proxy.nix>

services._3proxy.services.*.acl.*.rule

ACL rule. The following values are valid:

- ‘"allow"’: connections allowed.
- ‘"deny"’: connections not allowed.

Type: one of “allow”, “deny”

Example:

```
"allow"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/3proxy.nix>

services._3proxy.services.*.acl.*.sources

List of source IP range, use empty list for any.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "127.0.0.1"
  "192.168.1.0/24"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/3proxy.nix>

services._3proxy.services.*.acl.*.targetPorts

List of target ports, use empty list for any.

Type: list of 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
[ ]
```

Example:

```
[
  80
  443
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/3proxy.nix>

services._3proxy.services.*.acl.*.targets

List of target IP ranges, use empty list for any. May also contain host names instead of addresses. It's possible to use wildmask in the beginning and in the the end of hostname, e.g. '*badsite.com' or '*bad-content*'. Hostname is only checked if hostname presents in request.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "127.0.0.1"
  "192.168.1.0/24"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/3proxy.nix>

services._3proxy.services.*.acl.*.users

List of users, use empty list for any.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "user1"
  "user2"
  "user3"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/3proxy.nix>

services._3proxy.services.*.auth

Authentication type. The following values are valid:

- '"none"': disables both authentication and authorization. You can not use ACLs.
- '"iponly"': specifies no authentication. ACLs authorization is used.
- '"strong"': authentication by username/password. If user is not registered their access is denied

regardless of ACLs.

Double authentication is possible, e.g.

```
{
  auth = [ "iponly" "strong" ];
  acl = [
    {
      rule = "allow";
      targets = [ "192.168.0.0/16" ];
    }
    {
      rule = "allow"
      users = [ "user1" "user2" ];
    }
  ];
}
```

In this example strong username authentication is not required to access 192.168.0.0/16.

Type: list of (one of “none”, “iponly”, “strong”)

Default:

```
[ ]
```

Example:

```
[
  "iponly"
  "strong"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/3proxy.nix>

services._3proxy.services.*.bindAddress

Address used for service.

Type: string

Default:

```
"[::]"
```

Example:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/3proxy.nix>

services._3proxy.services.*.bindPort

Override default port used for service.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Example:

```
3128
```

Declared by:
<nixpkgs/nixos/modules/services/networking/3proxy.nix>

services._3proxy.services.*.extraArguments
Extra arguments for service. Consult “Options” section in **documentation** for available arguments.

Type: null or string

Default:

```
null
```

Example:

```
"-46"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/3proxy.nix>

services._3proxy.services.*.extraConfig
Extra configuration for service. Use this to configure things like bandwidth limiter or ACL-based redirection. Consult **documentation** for available options.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/3proxy.nix>

services._3proxy.services.*.maxConnections
Maximum number of simulationeous connections to this service.

Type: signed integer

Default:

```
100
```

Example:

```
1000
```

Declared by:
<nixpkgs/nixos/modules/services/networking/3proxy.nix>

services._3proxy.services.*.type
Service type. The following values are valid:

- ‘"proxy"’: HTTP/HTTPS proxy (default port 3128).
- ‘"socks"’: SOCKS 4/4.5/5 proxy (default port 1080).
- ‘"pop3p"’: POP3 proxy (default port 110).
- ‘"ftppr"’: FTP proxy (default port 21).
- ‘"admin"’: Web interface (default port 80).
- ‘"dnspr"’: Caching DNS proxy (default port 53).
- ‘"tcppm"’: TCP portmapper.
- ‘"udppm"’: UDP portmapper.
- ‘"auto"’: Proxy with protocol autoselection between proxy / socks / tlspr.

Type: one of “proxy”, “socks”, “pop3p”, “ftppr”, “admin”, “dnspr”, “tcppm”, “udppm”, “auto”

Example:

```
"proxy"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/3proxy.nix>

services._3proxy.usersFile
Load users and passwords from this file.

Example users file with plain−text passwords:

```
test1:CL:password1
test2:CL:password2
```

Example users file with md5−crypted passwords:

```
test1:CR:$1$tFkisVd2$1GA8JXkRmTXdLDytM/i3a1
test2:CR:$1$rkpibm5J$Aq1.9VtYAn0JrqZ8M.1ME.
```

You can generate md5−crypted passwords via **https://unix4lyfe.org/crypt/** Note that htpasswd tool generates incompatible md5−crypted passwords. Consult **documentation** for more information.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/lib/3proxy/3proxy.passwd"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/3proxy.nix>

services.a2boot.enable
Whether to enable the a2boot daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/a2boot.nix>

services.accounts−daemon.enable
Whether to enable AccountsService, a DBus service for accessing the list of user accounts and information attached to those accounts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/accountsservice.nix>

services.acme−dns.enable
Whether to enable acme−dns.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/acme-dns.nix>

services.acme-dns.package
The acme-dns package to use.

Type: package

Default:

```
pkgs.acme-dns
```

Declared by:
<nixpkgs/nixos/modules/services/networking/acme-dns.nix>

services.acme-dns.settings
Free-form settings written directly to the 'acme-dns.cfg' file. Refer to **https://github.com/joohoi/acme-dns/blob/master/README.md#configuration** for supported values.

Type: open submodule of (TOML value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/acme-dns.nix>

services.acme-dns.settings.api.disable_registration
Whether to disable the HTTP registration endpoint.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/acme-dns.nix>

services.acme-dns.settings.api.ip
IP to bind the HTTP API on.

Type: string

Default:

```
"[::]"
```

Example:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/acme-dns.nix>

services.acme−dns.settings.api.port
Listen port for the HTTP API.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/networking/acme−dns.nix>

services.acme−dns.settings.api.tls
TLS backend to use.

Type: one of “letsencrypt”, “letsencryptstaging”, “cert”, “none”

Default:

```
"none"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/acme−dns.nix>

services.acme−dns.settings.database.connection
Database connection string.

Type: string

Default:

```
"/var/lib/acme−dns/acme−dns.db"
```

Example:

```
"postgres://user:password@localhost/acmedns"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/acme−dns.nix>

services.acme−dns.settings.database.engine
Database engine to use.

Type: one of “sqlite”, “postgres”

Default:

```
"sqlite"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/acme−dns.nix>

services.acme−dns.settings.general.domain
Domain name to serve the requests off of.

Type: string

Example:

```
"acme−dns.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/acme−dns.nix>

services.acme−dns.settings.general.listen
IP+port combination to bind and serve the DNS server on.

Type: string

Default:

```
"[::]:53"
```

Example:

```
"127.0.0.1:53"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/acme−dns.nix>

services.acme−dns.settings.general.nsadmin
Zone admin email address for ‘SOA’.

Type: string

Example:

```
"admin.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/acme−dns.nix>

services.acme−dns.settings.general.nsname
Zone name server.

Type: string

Example:

```
"acme−dns.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/acme−dns.nix>

services.acme−dns.settings.general.protocol
Protocols to serve DNS responses on.

Type: one of “both”, “both4”, “both6”, “udp”, “udp4”, “udp6”, “tcp”, “tcp4”, “tcp6”

Default:

```
"both"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/acme−dns.nix>

services.acme−dns.settings.general.records
Predefined DNS records served in addition to the ‘_acme−challenge’ TXT records.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  # replace with your acme−dns server’s public IPv4
  "acme−dns.example.com. A 198.51.100.1"
  # replace with your acme−dns server’s public IPv6
  "acme−dns.example.com. AAAA 2001:db8::1"
  # acme−dns.example.com should resolve any *.acme−dns.example.co \
```

```
m records
  "acme-dns.example.com. NS acme-dns.example.com."
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/acme-dns.nix>

services.acme-dns.settings.logconfig.loglevel
Level to log on.

Type: one of “error”, “warning”, “info”, “debug”

Default:

```
"info"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/acme-dns.nix>

services.acpid.enable
Whether to enable the ACPI daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/acpid.nix>

services.acpid.acEventCommands
Shell commands to execute on an ac_adapter.* event.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/acpid.nix>

services.acpid.handlers
Event handlers.

Note
Handler can be a single command.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  ac-power = {
    action = ''
      vals=($1)  # space separated string to array of multiple valu \
es
      case ''${vals[3]} in
          00000000)
```

```
                    echo unplugged >> /tmp/acpi.log
                    ;;
                00000001)
                    echo plugged in >> /tmp/acpi.log
                    ;;
                *)
                    echo unknown >> /tmp/acpi.log
                    ;;
            esac
          '';
          event = "ac_adapter/*";
        };
      }
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/acpid.nix>

services.acpid.handlers.<name>.action
Shell commands to execute when the event is triggered.

Type: strings concatenated with “\n”

Declared by:
<nixpkgs/nixos/modules/services/hardware/acpid.nix>

services.acpid.handlers.<name>.event
Event type.

Type: string

Example:

```
"button/power.*" "button/lid.*" "ac_adapter.*" "button/mute.*" "but \
ton/volumedown.*" "cd/play.*" "cd/next.*"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/acpid.nix>

services.acpid.lidEventCommands
Shell commands to execute on a button/lid.* event.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/acpid.nix>

services.acpid.logEvents
Log all event activity.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/acpid.nix>

services.acpid.powerEventCommands

Shell commands to execute on a button/power.* event.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/acpid.nix>

services.activemq.enable

Enable the Apache ActiveMQ message broker service.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/amqp/activemq/default.nix>

services.activemq.baseDir

The base directory where ActiveMQ stores its persistent data and logs. This will be overridden if you set “activemq.base” and “activemq.data” in the ‘javaProperties’ option. You can also override this in activemq.xml.

Type: string

Default:

```
"/var/activemq"
```

Declared by:

<nixpkgs/nixos/modules/services/amqp/activemq/default.nix>

services.activemq.configurationDir

The base directory for ActiveMQ’s configuration. By default, this directory is searched for a file named activemq.xml, which should contain the configuration for the broker service.

Type: string

Default:

```
"${pkgs.activemq}/conf"
```

Declared by:

<nixpkgs/nixos/modules/services/amqp/activemq/default.nix>

services.activemq.configurationURI

The URI that is passed along to the BrokerFactory to set up the configuration of the ActiveMQ broker service. You should not need to change this. For custom configuration, set the ‘configurationDir’ instead, and create an activemq.xml configuration file in it.

Type: string

Default:

```
"xbean:activemq.xml"
```

Declared by:

<nixpkgs/nixos/modules/services/amqp/activemq/default.nix>

services.activemq.extraJavaOptions

Add extra options here that you want to be sent to the Java runtime when the broker service is started.

Type: strings concatenated with " "

Default:

```
""
```

Example:

```
"-Xmx2G -Xms2G -XX:MaxPermSize=512M"
```

Declared by:

<nixpkgs/nixos/modules/services/amqp/activemq/default.nix>

services.activemq.javaProperties

Specifies Java properties that are sent to the ActiveMQ broker service with the "−D" option. You can set properties here to change the behaviour and configuration of the broker. All essential properties that are not set here are automatically given reasonable defaults.

Type: attribute set

Default:

```
{ }
```

Example:

```
{
  "java.net.preferIPv4Stack" = "true";
}
```

Declared by:

<nixpkgs/nixos/modules/services/amqp/activemq/default.nix>

services.actkbd.enable

Whether to enable the **actkbd** key mapping daemon.

Turning this on will start an **actkbd** instance for every evdev input that has at least one key (which is okay even for systems with tiny memory footprint, since actkbd normally uses <100 bytes of memory per instance).

This allows binding keys globally without the need for e.g. X11.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/actkbd.nix>

services.actkbd.bindings

Key bindings for **actkbd**.

See **actkbd** *README* for documentation.

The example shows a piece of what **sound.mediaKeys.enable** does when enabled.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[ { keys = [ 113 ]; events = [ "key" ]; command = "${pkgs.alsa-uti \
```

```
ls}/bin/amixer -q set Master toggle"; }
]
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/actkbd.nix>

services.actkbd.bindings.*.attributes
List of attributes.

Type: list of string

Default:

```
[
  "exec"
]
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/actkbd.nix>

services.actkbd.bindings.*.command
What to run.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/actkbd.nix>

services.actkbd.bindings.*.events
List of events to match.

Type: list of (one of “key”, “rep”, “rel”)

Default:

```
[
  "key"
]
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/actkbd.nix>

services.actkbd.bindings.*.keys
List of keycodes to match.

Type: list of signed integer

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/actkbd.nix>

services.actkbd.extraConfig
Literal contents to append to the end of actkbd configuration file.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/actkbd.nix>

services.actual.enable
Whether to enable actual, a privacy focused app for managing your finances.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/actual.nix>

services.actual.package
The actual−server package to use.

Type: package

Default:

```
pkgs.actual−server
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/actual.nix>

services.actual.group
Group account under which Actual runs.

If null is specified (default), a temporary user will be created by systemd. Otherwise won't be automatically created by the service.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/actual.nix>

services.actual.openFirewall
Whether to open the firewall for the specified port.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/actual.nix>

services.actual.settings
Server settings, refer to **the documentation** for available options. You can specify secret values in this configuration by setting 'somevalue._secret = "/path/to/file"' instead of setting 'somevalue' directly.

Type: open submodule of (JSON value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/actual.nix>

services.actual.settings.dataDir
Directory under which Actual runs and saves its data.

Changing this after you already have a working instance may make Actual fail to start, even if you move all files in the data dir. If migration is needed, refer to **this comment** for a fix.

Type: string

Default:

```
"/var/lib/actual"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/actual.nix>

services.actual.settings.hostname
The address to listen on

Type: string

Default:

```
"::"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/actual.nix>

services.actual.settings.port
The port to listen on

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/actual.nix>

services.actual.settings.serverFiles
The server will put an account.sqlite file in this directory, which will contain the (hashed) server password, a list of all the budget files the server knows about, and the active session token (along with anything else the server may want to store in the future).

Type: string

Default:

```
"\${cfg.settings.dataDir}/server−files"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/actual.nix>

services.actual.settings.userFiles
The server will put all the budget files in this directory as binary blobs.

Type: string

Default:

```
"\${cfg.settings.dataDir}/user−files"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/actual.nix>

services.actual.user

User account under which Actual runs.

If null is specified (default), a temporary user will be created by systemd. Otherwise won't be automatically created by the service.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/actual.nix>

services.adguardhome.enable

Whether to enable AdGuard Home network−wide ad blocker.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/adguardhome.nix>

services.adguardhome.package

The package that runs adguardhome.

Type: package

Default:

```
pkgs.adguardhome
```

Declared by:

<nixpkgs/nixos/modules/services/networking/adguardhome.nix>

services.adguardhome.allowDHCP

Allows AdGuard Home to open raw sockets ('CAP_NET_RAW'), which is required for the integrated DHCP server.

The default enables this conditionally if the declarative configuration enables the integrated DHCP server. Manually setting this option is only required for non−declarative setups.

Type: boolean

Default:

```
config.services.adguardhome.settings.dhcp.enabled or false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/adguardhome.nix>

services.adguardhome.extraArgs

Extra command line parameters to be passed to the adguardhome binary.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/adguardhome.nix>

services.adguardhome.host
Host address to bind HTTP server to.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/adguardhome.nix>

services.adguardhome.mutableSettings
Allow changes made on the AdGuard Home web interface to persist between service restarts.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/adguardhome.nix>

services.adguardhome.openFirewall
Open ports in the firewall for the AdGuard Home web interface. Does not open the port needed to access the DNS resolver.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/adguardhome.nix>

services.adguardhome.port
Port to serve HTTP pages on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Declared by:
<nixpkgs/nixos/modules/services/networking/adguardhome.nix>

services.adguardhome.settings
AdGuard Home configuration. Refer to **https://github.com/AdguardTeam/AdGuardHome/wiki/Configuration#configuration-file** for details on supported values.

Note
On start and if **mutableSettings** is 'true', these options are merged into the configuration file on start, taking precedence over configuration changes made on the web interface.

Set this to 'null' (default) for a non-declarative configuration without any Nix-supplied values. Declarative configurations are supplied with a default 'schema_version', and 'http.address'.

Type: null or (open submodule of (YAML 1.1 value))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/adguardhome.nix>

services.adguardhome.settings.schema_version
Schema version for the configuration. Defaults to the ‘schema_version’ supplied by ‘cfg.package’.

Type: signed integer

Default:

```
cfg.package.schema_version
```

Declared by:
<nixpkgs/nixos/modules/services/networking/adguardhome.nix>

services.aerospike.enable
Whether to enable Aerospike server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/databases/aerospike.nix>

services.aerospike.package
The aerospike package to use.

Type: package

Default:

```
pkgs.aerospike
```

Declared by:
<nixpkgs/nixos/modules/services/databases/aerospike.nix>

services.aerospike.extraConfig
Extra configuration

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
namespace test {
  replication-factor 2
  memory-size 4G
  default-ttl 30d
  storage-engine memory
}
```

Declared by:
<nixpkgs/nixos/modules/services/databases/aerospike.nix>

services.aerospike.networkConfig

network section of configuration file

Type: strings concatenated with “\n”

Default:

```
service {
  address any
  port 3000
}

heartbeat {
  address any
  mode mesh
  port 3002
  interval 150
  timeout 10
}

fabric {
  address any
  port 3001
}

info {
  address any
  port 3003
}
```

Declared by:

<nixpkgs/nixos/modules/services/databases/aerospike.nix>

services.aerospike.workDir

Location where Aerospike stores its files

Type: string

Default:

```
"/var/lib/aerospike"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/aerospike.nix>

services.aesmd.enable

Whether to enable Intel’s Architectural Enclave Service Manager (AESM) for Intel SGX.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/security/aesmd.nix>

services.aesmd.package

The sgx−psw package to use.

Type: package

Default:

```
pkgs.sgx-psw
```

Declared by:

<nixpkgs/nixos/modules/services/security/aesmd.nix>

services.aesmd.environment

Additional environment variables to pass to the AESM service.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  AZDCAP_COLLATERAL_VERSION = "v2";
  AZDCAP_DEBUG_LOG_LEVEL = "INFO";
}
```

Declared by:

<nixpkgs/nixos/modules/services/security/aesmd.nix>

services.aesmd.quoteProviderLibrary

Custom quote provider library to use.

Type: null or absolute path

Default:

```
null
```

Example:

```
pkgs.sgx-azure-dcap-client
```

Declared by:

<nixpkgs/nixos/modules/services/security/aesmd.nix>

services.aesmd.settings

AESM configuration

Type: submodule

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/security/aesmd.nix>

services.aesmd.settings.defaultQuotingType

Attestation quote type.

Type: null or one of “ecdsa_256”, “epid_linkable”, “epid_unlinkable”

Default:

```
null
```

Example:

```
"ecdsa_256"
```

Declared by:
<nixpkgs/nixos/modules/services/security/aesmd.nix>

services.aesmd.settings.proxy
HTTP network proxy.

Type: null or string

Default:

```
null
```

Example:

```
"http://proxy_url:1234"
```

Declared by:
<nixpkgs/nixos/modules/services/security/aesmd.nix>

services.aesmd.settings.proxyType
Type of proxy to use. The ‘default’ uses the system’s default proxy. If ‘direct’ is given, uses no proxy. A value of ‘manual’ uses the proxy from **services.aesmd.settings.proxy**.

Type: null or one of “default”, “direct”, “manual”

Default:

```
if (config.services.aesmd.settings.proxy != null) then "manual" els \
e null
```

Example:

```
"default"
```

Declared by:
<nixpkgs/nixos/modules/services/security/aesmd.nix>

services.aesmd.settings.whitelistUrl
URL to retrieve authorized Intel SGX enclave signers.

Type: null or string

Default:

```
null
```

Example:

```
"http://whitelist.trustedservices.intel.com/SGX/LCWL/Linux/sgx_whit \
e_list_cert.bin"
```

Declared by:
<nixpkgs/nixos/modules/services/security/aesmd.nix>

services.agate.enable
Whether to enable Agate Server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/agate.nix>

services.agate.package
The agate package to use.

Type: package

Default:

```
pkgs.agate
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/agate.nix>

services.agate.addresses
Addresses to listen on, IP:PORT, if you haven't disabled forwarding only set IPv4.

Type: list of string

Default:

```
[
  "0.0.0.0:1965"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/agate.nix>

services.agate.certificatesDir
Root of the certificate directory.

Type: absolute path

Default:

```
"/var/lib/agate/certificates"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/agate.nix>

services.agate.contentDir
Root of the content directory.

Type: absolute path

Default:

```
"/var/lib/agate/content"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/agate.nix>

services.agate.extraArgs
Extra arguments to use running agate.

Type: list of string

Default:

```
[
  ""
]
```

Example:

```
[
  "--log-ip"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/agate.nix>

services.agate.hostnames
Domain name of this Gemini server, enables checking hostname and port in requests. (multiple occurrences means basic vhosts)

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/agate.nix>

services.agate.language
RFC 4646 Language code for text/gemini documents.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/agate.nix>

services.agate.onlyTls_1_3
Only use TLSv1.3 (default also allows TLSv1.2).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/agate.nix>

services.agorakit.enable
Whether to enable agorakit.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.appKeyFile
A file containing the Laravel APP_KEY − a 32 character long, base64 encoded key used for encryption where needed. Can be generated with <code>head −c 32 /dev/urandom | base64</code>.

Type: absolute path

Example:

```
"/run/keys/agorakit−appkey"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.appURL

The root URL that you want to host agorakit on. All URLs in agorakit will be generated using this value. If you change this in the future you may need to run a command to update stored URLs in the database. Command example: <code>php artisan agorakit:update−url https://old.example.com https://new.example.com</code>

Type: string

Default:

```
"http\${lib.optionalString tlsEnabled \"s\"}://\${cfg.hostName} \
"
```

Example:

```
"https://example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.config

Agorakit configuration options to set in the <filename>.env</filename> file.

Refer to <link xlink:href="https://github.com/agorakit/agorakit"/> for details on supported values.

Settings containing secret data should be set to an attribute set containing the attribute <literal>_secret</literal> − a string pointing to a file containing the value the option should be set to. See the example to get a better picture of this: in the resulting <filename>.env</filename> file, the <literal>OIDC_CLIENT_SECRET</literal> key will be set to the contents of the <filename>/run/keys/oidc_secret</filename> file.

Type: attribute set of (null or boolean or signed integer or 16 bit unsigned integer; between 0 and 65535 (both inclusive) or absolute path or string or (submodule))

Default:

```
{ }
```

Example:

```
{
  ALLOWED_IFRAME_HOSTS = "https://example.com";
  AUTH_METHOD = "oidc";
  OIDC_NAME = "MyLogin";
  OIDC_DISPLAY_NAME_CLAIMS = "name";
  OIDC_CLIENT_ID = "agorakit";
  OIDC_CLIENT_SECRET = {_secret = "/run/keys/oidc_secret"};
  OIDC_ISSUER = "https://keycloak.example.com/auth/realms/My%20Re \
alm";
  OIDC_ISSUER_DISCOVER = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.dataDir
agorakit data directory

Type: absolute path

Default:

```
"/var/lib/agorakit"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.database.createLocally
Create the database and database user locally.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.database.host
Database host address.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.database.name
Database name.

Type: string

Default:

```
"agorakit"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.database.passwordFile
A file containing the password corresponding to <option>database.user</option>.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/agorakit−dbpassword"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.database.port
Database host port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3306
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.database.user
Database username.

Type: string

Default:

```
user
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.group
Group agorakit runs as.

Type: string

Default:

```
"agorakit"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.hostName
The hostname to serve agorakit on.

Type: string

Default:

```
config.networking.fqdn
```

Example:

```
"agorakit.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.mail.driver
Mail driver to use.

Type: one of “smtp”, “sendmail”

Default:

```
"smtp"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.mail.encryption
SMTP encryption mechanism to use.

Type: null or value “tls” (singular enum)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.mail.from
Mail “from” email.

Type: string

Default:

```
"mail@agorakit.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.mail.fromName
Mail “from” name.

Type: string

Default:

```
"agorakit"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.mail.host
Mail host address.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.mail.passwordFile
A file containing the password corresponding to <option>mail.user</option>.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/agorakit−mailpassword"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.mail.port

Mail host port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
1025
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.mail.user

Mail username.

Type: null or string

Default:

```
null
```

Example:

```
"agorakit"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.maxUploadSize

The maximum size for uploads (e.g. images).

Type: string

Default:

```
"18M"
```

Example:

```
"1G"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx

With this option, you can customize the nginx virtualHost settings.

Type: submodule

Default:

```
{ }
```

Example:

```
  {
    serverAliases = [
      "agorakit.''${config.networking.domain}"
    ];
    # To enable encryption and let let's encrypt take care of certi \
ficate
    forceSSL = true;
    enableACME = true;
  }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.enableACME
Whether to ask Let's Encrypt to sign a certificate for this vhost. Alternately, you can use an existing certificate through **useACMEHost**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.acmeFallbackHost
Host which to proxy requests to if ACME challenge is not found. Useful if you want multiple hosts to be able to verify the same domain name.

With this option, you could request certificates for the present domain with an ACME client that is running on another host, which you would specify here.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.acmeRoot
Directory for the ACME challenge, which is **public**. Don't put certs or keys in here. Set to null to inherit from config.security.acme.

Type: null or string

Default:

```
"/var/lib/acme/acme−challenge"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.addSSL
Whether to enable HTTPS in addition to plain HTTP. This will set defaults for 'listen' to listen on all interfaces on the respective default ports (80, 443).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.basicAuth
Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.basicAuthFile
Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.default
Makes this vhost the default.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.extraConfig
These lines go to the end of the vhost verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.forceSSL
Whether to add a separate nginx server block that redirects (defaults to 301, configurable with ‘redirectCode’) all plain HTTP traffic to HTTPS. This will set defaults for ‘listen’ to listen on all interfaces on the respective default ports (80, 443), where the non−SSL listens are used for the redirect vhosts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.globalRedirect
If set, all requests for this host are redirected (defaults to 301, configurable with ‘redirectCode’) to the given hostname.

Type: null or string

Default:

```
null
```

Example:

```
"newserver.example.org"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.http2

Whether to enable the HTTP/2 protocol. Note that (as of writing) due to nginx's implementation, to disable HTTP/2 you have to disable it on all vhosts that use a given IP address / port. If there is one server block configured to enable http2, then it is enabled for all server blocks on this IP. See **https://stackoverflow.com/a/39466948/263061**.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.http3

Whether to enable the HTTP/3 protocol. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that HTTP/3 support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/** HTTP/3 availability must be manually advertised, preferably in each location block.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.http3_hq

Whether to enable the HTTP/0.9 protocol negotiation used in QUIC interoperability tests. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that special application protocol support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.kTLS

Whether to enable kTLS support. Implementing TLS in the kernel (kTLS) improves performance by significantly reducing the need for copying operations between user space and the kernel. Required Nginx version 1.21.4 or later.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.listen
Listen addresses and ports for this virtual host. IPv6 addresses must be enclosed in square brackets. Note: this option overrides ‘addSSL’ and ‘onlySSL’.

If you only want to set the addresses manually and not the ports, take a look at ‘listenAddresses’.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    addr = "195.154.1.1";
    port = 443;
    ssl = true;
  }
  {
    addr = "192.154.1.1";
    port = 80;
  }
  {
    addr = "unix:/var/run/nginx.sock";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.listen.*.addr
Listen address.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.listen.*.extraParameters
Extra parameters of this listen directive.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "backlog=1024"
  "deferred"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.listen.*.port

Port number to listen on. If unset and the listen address is not a socket then nginx defaults to 80.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.listen.*.proxyProtocol

Enable PROXY protocol.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.listen.*.ssl

Enable SSL.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.listenAddresses

Listen addresses for this virtual host. Compared to ‘listen’ this only sets the addresses and the ports are chosen automatically.

Note: This option overrides ‘networking.enableIPv6’

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "127.0.0.1"
  "[::1]"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.locations

Declarative location config

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
```

```
  "/" = {
    proxyPass = "http://localhost:3000";
  };
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.locations.<name>.alias
Alias directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/alias/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.locations.<name>.basicAuth
Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.locations.<name>.basicAuthFile
Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.locations.<name>.extraConfig
These lines go to the end of the location verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.locations.<name>.fastcgiParams
FastCGI parameters to override. Unlike in the Nginx configuration file, overriding only some default parameters won't unset the default values for other parameters.

Type: attribute set of (string or absolute path)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.locations.<name>.index
Adds index directive.

Type: null or string

Default:

```
null
```

Example:

```
"index.php index.html"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.locations.<name>.priority
Order of this location block in relation to the others in the vhost. The semantics are the same as with 'lib.mkOrder'. Smaller values have a greater priority.

Type: signed integer

Default:

```
1000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.locations.<name>.proxyPass
Adds proxy_pass directive and sets recommended proxy headers if recommendedProxySettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"http://www.example.org/"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.locations.<name>.proxyWebsockets
Whether to support proxying websocket connections with HTTP/1.1.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.locations.<name>.recommendedProxySettings
Enable recommended proxy settings.

Type: boolean

Default:

```
config.services.nginx.recommendedProxySettings
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.locations.<name>.recommendedUwsgiSettings
Enable recommended uwsgi settings.

Type: boolean

Default:

```
config.services.nginx.recommendedUwsgiSettings
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.locations.<name>.return
Adds a return directive, for e.g. redirections.

Type: null or string or signed integer

Default:

```
null
```

Example:

```
"301 http://example.com$request_uri"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.locations.<name>.root
Root directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/root/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.locations.<name>.tryFiles
Adds try_files directive.

Type: null or string

Default:

```
null
```

Example:

```
"$uri =404"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.locations.<name>.uwsgiPass

Adds uwsgi_pass directive and sets recommended proxy headers if recommendedUwsgiSettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"unix:/run/example/example.sock"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.onlySSL

Whether to enable HTTPS and reject plain HTTP connections. This will set defaults for 'listen' to listen on all interfaces on port 443.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.quic

Whether to enable the QUIC transport protocol. Note that QUIC support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.redirectCode

HTTP status used by 'globalRedirect' and 'forceSSL'. Possible usecases include temporary (302, 307) redirects, keeping the request method and body (307, 308), or explicitly resetting the method to GET (303). See **https://developer.mozilla.org/en−US/docs/Web/HTTP/Redirections**.

Type: integer between 300 and 399 (both inclusive)

Default:

```
301
```

Example:

```
308
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.rejectSSL

Whether to listen for and reject all HTTPS connections to this vhost. Useful in **default** server blocks to avoid serving the certificate for another vhost. Uses the 'ssl_reject_handshake' directive available in nginx versions 1.19.4 and above.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.reuseport

Create an individual listening socket . It is required to specify only once on one of the hosts.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.root

The path of the web root directory.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/data/webserver/docs"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.serverAliases

Additional names of virtual hosts served by this virtual host configuration.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
  "example.org"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.serverName

Name of this virtual host. Defaults to attribute name in virtualHosts.

Type: null or string

Default:

```
null
```

Example:

```
"example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.sslCertificate
Path to server SSL certificate.

Type: absolute path

Example:

```
"/var/host.cert"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.sslCertificateKey
Path to server SSL certificate key.

Type: absolute path

Example:

```
"/var/host.key"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.sslTrustedCertificate
Path to root SSL certificate for stapling and client certificates.

Type: null or absolute path

Default:

```
null
```

Example:

```
"${pkgs.cacert}/etc/ssl/certs/ca−bundle.crt"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.nginx.useACMEHost
A host of an existing Let's Encrypt certificate to use. This is useful if you have many subdomains and want to avoid hitting the **rate limit**. Alternately, you can generate a certificate through **enableACME**. *Note that this option does not create any certificates, nor it does add subdomains to existing ones – you will need to create them manually using* **security.acme.certs**[2].

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

2. see the **security.acme.certs** option

services.agorakit.phpPackage
The php82 package to use.

Type: package

Default:

```
pkgs.php82
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.poolConfig
Options for the agorakit PHP pool. See the documentation on <literal>php−fpm.conf</literal> for details on configuration directives.

Type: attribute set of (string or signed integer or boolean)

Default:

```
{
  pm = "dynamic";
  "pm.max_children" = 32;
  "pm.max_requests" = 500;
  "pm.max_spare_servers" = 4;
  "pm.min_spare_servers" = 2;
  "pm.start_servers" = 2;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.agorakit.user
User agorakit runs as.

Type: string

Default:

```
"agorakit"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/agorakit.nix>

services.airsonic.enable
Whether to enable Airsonic, the Free and Open Source media streaming server (fork of Subsonic and Libresonic).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/airsonic.nix>

services.airsonic.contextPath

The context path, i.e., the last part of the Airsonic URL. Typically '/' or '/airsonic'. Default '/'

Type: absolute path

Default:

```
"/"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/airsonic.nix>

services.airsonic.home

The directory where Airsonic will create files. Make sure it is writable.

Type: absolute path

Default:

```
"/var/lib/airsonic"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/airsonic.nix>

services.airsonic.jre

The jre8 package to use. ::: {.note} Airsonic only supports Java 8, airsonic−advanced requires at least Java 11. :::

Type: package

Default:

```
pkgs.jre8
```

Declared by:

<nixpkgs/nixos/modules/services/misc/airsonic.nix>

services.airsonic.jvmOptions

Extra command line options for the JVM running AirSonic. Useful for sending jukebox output to non−default alsa devices.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-Djavax.sound.sampled.Clip='#CODEC [plughw:1,0]'"
  "-Djavax.sound.sampled.Port='#Port CODEC [hw:1]'"
  "-Djavax.sound.sampled.SourceDataLine='#CODEC [plughw:1,0]'"
  "-Djavax.sound.sampled.TargetDataLine='#CODEC [plughw:1,0]'"
]
```

Declared by:

<nixpkgs/nixos/modules/services/misc/airsonic.nix>

services.airsonic.listenAddress

The host name or IP address on which to bind Airsonic. The default value is appropriate for first launch, when the default credentials are easy to guess. It is also appropriate if you intend to use the virtualhost option in the service module. In other cases, you may want to change this to a specific IP or 0.0.0.0 to listen on all interfaces.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/airsonic.nix>

services.airsonic.maxMemory

The memory limit (max Java heap size) in megabytes. Default: 100

Type: signed integer

Default:

```
100
```

Declared by:

<nixpkgs/nixos/modules/services/misc/airsonic.nix>

services.airsonic.port

The port on which Airsonic will listen for incoming HTTP traffic. Set to 0 to disable.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
4040
```

Declared by:

<nixpkgs/nixos/modules/services/misc/airsonic.nix>

services.airsonic.transcoders

List of paths to transcoder executables that should be accessible from Airsonic. Symlinks will be created to each executable inside ${config.services.airsonic.home}/transcoders.

Type: list of absolute path

Default:

```
[ "${pkgs.ffmpeg.bin}/bin/ffmpeg" ]
```

Declared by:

<nixpkgs/nixos/modules/services/misc/airsonic.nix>

services.airsonic.user

User account under which airsonic runs.

Type: string

Default:

```
"airsonic"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/airsonic.nix>

services.airsonic.virtualHost

Name of the nginx virtualhost to use and setup. If null, do not setup any virtualhost.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/misc/airsonic.nix>

services.airsonic.war
Airsonic war file to use.

Type: absolute path

Default:

```
"${pkgs.airsonic}/webapps/airsonic.war"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/airsonic.nix>

services.akkoma.enable
Whether to enable Akkoma.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.package
The akkoma package to use.

Type: package

Default:

```
pkgs.akkoma
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.config
Configuration for Akkoma. The attributes are serialised to Elixir DSL.

Refer to **https://docs.akkoma.dev/stable/configuration/cheatsheet/** for configuration options.

Settings containing secret data should be set to an attribute set containing the attribute '_secret' − a string pointing to a file containing the value the option should be set to.

Type: open submodule of attribute set of attribute set of (Elixir value)

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.config.":joken"."default_signer"
JWT signing secret.

The attribute '_secret' should point to a file containing the secret.

This secret can be generated as follows:

```
$ tr −dc 'A−Za−z0−9−._~' </dev/urandom | head −c 64
```

Type: secret value

Default:

```
{
  _secret = "/var/lib/secrets/akkoma/jwt−signer";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.config.":logger"."ex_syslogger".level
Log level.

Refer to **https://hexdocs.pm/logger/Logger.html#module−levels** for options.

Type: non−empty string

Default:

```
":info"
```

Example:

```
":warning"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.config.":pleroma"."frontends"
Frontend configuration.

Users should rely on the default value and prefer to configure frontends through **config.services.akkoma.frontends**.

Type: Elixir value

Default:

```
lib.mapAttrs (key: val:
  (pkgs.formats.elixirConf { }).lib.mkMap { name = val.name; ref =  \
val.ref; })
  config.services.akkoma.frontends;
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.config.":pleroma"."instance".description
Instance description.

Type: non−empty string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.config.":pleroma"."instance".email
Instance administrator email.

Type: non−empty string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.config.":pleroma"."instance".name
Instance name.

Type: non−empty string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.config.":pleroma"."Pleroma.Repo"
Database configuration.

Refer to **https://hexdocs.pm/ecto_sql/Ecto.Adapters.Postgres.html#module−connection−options** for options.

Type: Elixir value

Default:

```
{
  adapter = (pkgs.formats.elixirConf { }).lib.mkRaw "Ecto.Adapters. \
```

services.akkoma.config.":pleroma"."Pleroma.Upload".base_url
Base path for the media uploads. Whilst this can just be set to a subdirectory of the main domain, it is now recommended to use a different subdomain.

Type: null or non−empty string

Default:

```
if lib.versionOlder config.system.stateVersion "24.05"
then "$\{httpConf.scheme}://$\{httpConf.host}:$\{toString httpCo \
nf.port}"
else null;
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.config.":pleroma"."Pleroma.Upload".base_url
Base path for the media uploads. Whilst this can just be set to a subdirectory of the main domain, it is now recommended to use a different subdomain.

Type: null or non−empty string

Default:

```
if lib.versionOlder config.system.stateVersion "24.05"
then "$\{httpConf.scheme}://$\{httpConf.host}:$\{toString httpCo \
nf.port}"
else null;
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.config.":pleroma"."Pleroma.Upload".uploader
Module name for the media uploader.

Type: Elixir value

Default:

```
"Pleroma.Uploaders.Local"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.config.":pleroma"."Pleroma.Upload".uploads
Directory where Akkoma will put uploaded files.

Type: absolute path

Default:

```
"/var/lib/akkoma/uploads"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.config.":pleroma".":instance".static_dir
Directory of static files.

This directory can be built using a derivation, or it can be managed as mutable state by setting the option to an absolute path.

Type: absolute path

Default: Derivation gathering the following paths into a directory:

- **services.akkoma.frontends**
- **services.akkoma.extraStatic**

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.config.":pleroma".":instance".upload_dir
Directory where Akkoma will put uploaded files.

Type: absolute path

Default:

```
"/var/lib/akkoma/uploads"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.config.":pleroma".":media_proxy".enabled
Whether to enable proxying of remote media through the instance's proxy.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.config.":pleroma".":media_proxy".base_url
Base path for the media proxy. Whilst this can just be set to a subdirectory of the main domain, it is now recommended to use a different subdomain.

Type: null or non−empty string

Default:

```
if lib.versionOlder config.system.stateVersion "24.05"
then "$\{httpConf.scheme}://$\{httpConf.host}:$\{toString httpCo \
nf.port}"
else null;
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.config.":pleroma"."Pleroma.Repo"
Database configuration.

Refer to **https://hexdocs.pm/ecto_sql/Ecto.Adapters.Postgres.html#module−connection−options** for options.

Type: Elixir value

Default:

```
{
  adapter = (pkgs.formats.elixirConf { }).lib.mkRaw "Ecto.Adapters. \
```

```
Postgres";
  socket_dir = "/run/postgresql";
  username = config.services.akkoma.user;
  database = "akkoma";
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.config.":pleroma"."Pleroma.Upload".base_url

Base path which uploads will be stored at. Whilst this can just be set to a subdirectory of the main domain, it is now recommended to use a different subdomain.

Type: non−empty string

Default:

```
if lib.versionOlder config.system.stateVersion "24.05"
then "$\{httpConf.scheme}://$\{httpConf.host}:$\{toString httpCo \
nf.port}/media/"
else null;
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.config.":pleroma"."Pleroma.Web.Endpoint".http.ip

Listener IP address or Unix socket path.

The value is automatically converted to Elixir's internal address representation during serialisation.

Type: absolute path or IPv4 or IPv6 address

Default:

```
"/run/akkoma/socket"
```

Example:

```
"::1"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.config.":pleroma"."Pleroma.Web.Endpoint".http.port

Listener port number.

Must be 0 if using a Unix socket.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
if isAbsolutePath config.services.akkoma.config.:pleroma"."Pleroma. \
Web.Endpoint".http.ip
  then 0
  else 4000;
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.config.":pleroma"."Pleroma.Web.Endpoint".live_view.signing_salt

LiveView signing salt.

The attribute '_secret' should point to a file containing the secret.

This salt can be generated as follows:

```
$ tr -dc 'A-Za-z0-9-._~' </dev/urandom | head -c 8
```

Type: secret value

Default:

```
{
  _secret = "/var/lib/secrets/akkoma/liveview-salt";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/akkoma.nix>

services.akkoma.config.":pleroma"."Pleroma.Web.Endpoint".secret_key_base
Secret key used as a base to generate further secrets for encrypting and signing data.

The attribute '_secret' should point to a file containing the secret.

This key can generated can be generated as follows:

```
$ tr -dc 'A-Za-z-._~' </dev/urandom | head -c 64
```

Type: secret value

Default:

```
{
  _secret = "/var/lib/secrets/akkoma/key-base";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/akkoma.nix>

services.akkoma.config.":pleroma"."Pleroma.Web.Endpoint".signing_salt
Signing salt.

The attribute '_secret' should point to a file containing the secret.

This salt can be generated as follows:

```
$ tr -dc 'A-Za-z0-9-._~' </dev/urandom | head -c 8
```

Type: secret value

Default:

```
{
  _secret = "/var/lib/secrets/akkoma/signing-salt";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/akkoma.nix>

services.akkoma.config.":pleroma"."Pleroma.Web.Endpoint".url.host
Domain name of the instance.

Type: non-empty string

Default:

```
config.networking.fqdn
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/akkoma.nix>

services.akkoma.config.":pleroma"."Pleroma.Web.Endpoint".url.port
External port number.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
443
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.config.":pleroma"."Pleroma.Web.Endpoint".url.scheme
URL scheme.

Type: non−empty string

Default:

```
"https"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.config.":web_push_encryption"
Web Push Notifications configuration.

The necessary key pair can be generated as follows:

```
$ nix−shell −p nodejs −−run 'npx web−push generate−vapid−key \
s'
```

Type: open submodule of (Elixir value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.config.":web_push_encryption".":vapid_details".private_key
base64−encoded private ECDH key.

The attribute '_secret' should point to a file containing the secret.

Type: secret value

Default:

```
{
  _secret = "/var/lib/secrets/akkoma/vapid−private";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.config.":web_push_encryption".":vapid_details".public_key
base64−encoded public ECDH key.

Type: non−empty string or secret value

Default:

```
{
  _secret = "/var/lib/secrets/akkoma/vapid−public";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.config.":web_push_encryption"."vapid_details".subject
mailto URI for administrative contact.

Type: non−empty string

Default:

```
"mailto:${config.services.akkoma.config.":pleroma".":instance".emai \
l}"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.dist.address
Listen address for Erlang distribution protocol and Port Mapper Daemon (epmd).

Type: IPv4 or IPv6 address

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.dist.cookie
Erlang release cookie.

If set to ‘null’, a temporary random cookie will be generated.

Type: null or secret value

Default:

```
null
```

Example:

```
{
  _secret = "/var/lib/secrets/akkoma/releaseCookie";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.dist.epmdPort
TCP port to bind Erlang Port Mapper Daemon to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
4369
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.dist.extraFlags
Extra flags to pass to Erlang

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "+sbwt"
  "none"
  "+sbwtdcpu"
  "none"
  "+sbwtdio"
  "none"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.dist.portMax
Upper bound for Erlang distribution protocol TCP port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
65535
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.dist.portMin
Lower bound for Erlang distribution protocol TCP port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
49152
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.extraPackages
List of extra packages to include in the executable search path of the service unit. These are needed by various configurable components such as:

- ExifTool for the ‘Pleroma.Upload.Filter.Exiftool’ upload filter,
- ImageMagick for still image previews in the media proxy as well as for the ‘Pleroma.Upload.Filters.Mogrify’ upload filter, and
- ffmpeg for video previews in the media proxy.

Type: list of package

Default:

```
with pkgs; [ exiftool ffmpeg−headless imagemagick ]
```

Example:

```
with pkgs; [ exiftool ffmpeg−full imagemagick ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.extraStatic
Attribute set of extra paths to add to the static files directory.

Do not add frontends here. These should be configured through **services.akkoma.frontends**.

Type: null or (attribute set of path in the Nix store)

Default:

```
null
```

Example:

```
{
  "emoji/blobs.gg" = pkgs.blobs_gg;
  "static/terms-of-service.html" = pkgs.writeText "terms-of-ser \
vice.html" ''
    …
  '';
  "favicon.png" = let
    rev = "697a8211b0f427a921e7935a35d14bb3e32d0a2c";
  in pkgs.stdenvNoCC.mkDerivation {
    name = "favicon.png";
    src = pkgs.fetchurl {
      url = "https://raw.githubusercontent.com/TilCreator/NixOwO/${ \
rev}/NixOwO_plain.svg";
      hash = "sha256-tWhHMfJ3Od58N9H5yOKPMfM56hYWSOnr/TGCBi8bo9E=" \
;
    };
    nativeBuildInputs = with pkgs; [ librsvg ];
    dontUnpack = true;
    installPhase = ''
      rsvg-convert -o $out -w 96 -h 96 $src
    '';
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/akkoma.nix>

services.akkoma.frontends

Akkoma frontends.

Type: attribute set of (submodule)

Default:

```
{
  primary = {
    package = pkgs.akkoma-fe;
    name = "akkoma-fe";
    ref = "stable";
  };
  admin = {
    package = pkgs.akkoma-admin-fe;
    name = "admin-fe";
    ref = "stable";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/akkoma.nix>

services.akkoma.frontends.<name>.package
Akkoma frontend package.

Type: package

Example:

```
pkgs.akkoma-fe
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/akkoma.nix>

services.akkoma.frontends.<name>.name
Akkoma frontend name.

Type: non-empty string

Example:

```
"akkoma-fe"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/akkoma.nix>

services.akkoma.frontends.<name>.ref
Akkoma frontend reference.

Type: non-empty string

Example:

```
"stable"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/akkoma.nix>

services.akkoma.group
Group account under which Akkoma runs.

Type: non-empty string

Default:

```
"akkoma"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/akkoma.nix>

services.akkoma.initDb.enable
Whether to automatically initialise the database on startup. This will create a database role and database if they do not already exist, and (re)set the role password and the ownership of the database.

This setting can be used safely even if the database already exists and contains data.

If disabled, the database has to be set up manually:

```
CREATE ROLE akkoma LOGIN;
CREATE DATABASE akkoma
  OWNER akkoma
  TEMPLATE template0
  ENCODING 'utf8'
  LOCALE 'C';
\connect akkoma
CREATE EXTENSION IF NOT EXISTS citext;
CREATE EXTENSION IF NOT EXISTS pg_trgm;
CREATE EXTENSION IF NOT EXISTS "uuid-ossp";
```

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.initDb.password
Password of the database user to initialise the database with.

If set to ‘null’, no password will be used.

The attribute ‘_secret’ should point to a file containing the secret.

Type: null or secret value

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.initDb.username
Name of the database user to initialise the database with.

This user is required to have the ‘CREATEROLE’ and ‘CREATEDB’ capabilities.

Type: non−empty string

Default:

```
config.services.postgresql.superUser
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.initSecrets
Whether to initialise non-existent secrets with random values.

If enabled, appropriate secrets for the following options will be created automatically if the files referenced in the ‘_secrets’ attribute do not exist during startup.

- **config.":pleroma"."Pleroma.Web.Endpoint".secret_key_base**
- **config.":pleroma"."Pleroma.Web.Endpoint".signing_salt**
- **config.":pleroma"."Pleroma.Web.Endpoint".live_view.signing_salt**
- **config.":web_push_encryption".":vapid_details".private_key**
- **config.":web_push_encryption".":vapid_details".public_key**
- **config.":joken".":default_signer"**

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.installWrapper
Whether to install a wrapper around ‘pleroma_ctl’ to simplify administration of the Akkoma instance.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx
Extra configuration for the nginx virtual host of Akkoma.

If set to 'null', no virtual host will be added to the nginx configuration.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.enableACME
Whether to ask Let's Encrypt to sign a certificate for this vhost. Alternately, you can use an existing certificate through **useACMEHost**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.acmeFallbackHost
Host which to proxy requests to if ACME challenge is not found. Useful if you want multiple hosts to be able to verify the same domain name.

With this option, you could request certificates for the present domain with an ACME client that is running on another host, which you would specify here.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.acmeRoot
Directory for the ACME challenge, which is **public**. Don't put certs or keys in here. Set to null to inherit from config.security.acme.

Type: null or string

Default:

```
"/var/lib/acme/acme−challenge"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.addSSL
Whether to enable HTTPS in addition to plain HTTP. This will set defaults for 'listen' to listen on all interfaces on the respective default ports (80, 443).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.basicAuth
Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.basicAuthFile
Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.default
Makes this vhost the default.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.extraConfig
These lines go to the end of the vhost verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.forceSSL
Whether to add a separate nginx server block that redirects (defaults to 301, configurable with ‘redirectCode’) all plain HTTP traffic to HTTPS. This will set defaults for ‘listen’ to listen on all interfaces on the respective default ports (80, 443), where the non−SSL listens are used for the redirect vhosts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.globalRedirect
If set, all requests for this host are redirected (defaults to 301, configurable with 'redirectCode') to the given hostname.

Type: null or string

Default:

```
null
```

Example:

```
"newserver.example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.http2
Whether to enable the HTTP/2 protocol. Note that (as of writing) due to nginx's implementation, to disable HTTP/2 you have to disable it on all vhosts that use a given IP address / port. If there is one server block configured to enable http2, then it is enabled for all server blocks on this IP. See **https://stackoverflow.com/a/39466948/263061**.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.http3
Whether to enable the HTTP/3 protocol. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that HTTP/3 support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/** HTTP/3 availability must be manually advertised, preferably in each location block.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.http3_hq
Whether to enable the HTTP/0.9 protocol negotiation used in QUIC interoperability tests. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that special application protocol support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.kTLS
Whether to enable kTLS support. Implementing TLS in the kernel (kTLS) improves performance by significantly reducing the need for copying operations between user space and the kernel. Required Nginx version 1.21.4 or later.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.listen
Listen addresses and ports for this virtual host. IPv6 addresses must be enclosed in square brackets. Note: this option overrides ‘addSSL’ and ‘onlySSL’.

If you only want to set the addresses manually and not the ports, take a look at ‘listenAddresses’.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    addr = "195.154.1.1";
    port = 443;
    ssl = true;
  }
  {
    addr = "192.154.1.1";
    port = 80;
  }
  {
    addr = "unix:/var/run/nginx.sock";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.listen.*.addr
Listen address.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.listen.*.extraParameters
Extra parameters of this listen directive.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "backlog=1024"
  "deferred"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.listen.*.port
Port number to listen on. If unset and the listen address is not a socket then nginx defaults to 80.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.listen.*.proxyProtocol
Enable PROXY protocol.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.listen.*.ssl
Enable SSL.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.listenAddresses
Listen addresses for this virtual host. Compared to ‘listen’ this only sets the addresses and the ports are chosen automatically.

Note: This option overrides ‘networking.enableIPv6’

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "127.0.0.1"
  "[::1]"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.locations
Declarative location config

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "/" = {
    proxyPass = "http://localhost:3000";
  };
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.locations.<name>.alias
Alias directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/alias/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.locations.<name>.basicAuth
Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.locations.<name>.basicAuthFile
Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.locations.<name>.extraConfig
These lines go to the end of the location verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.locations.<name>.fastcgiParams
FastCGI parameters to override. Unlike in the Nginx configuration file, overriding only some default parameters won’t unset the default values for other parameters.

Type: attribute set of (string or absolute path)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.locations.<name>.index
Adds index directive.

Type: null or string

Default:

```
null
```

Example:

```
"index.php index.html"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.locations.<name>.priority
Order of this location block in relation to the others in the vhost. The semantics are the same as with ‘lib.mkOrder’. Smaller values have a greater priority.

Type: signed integer

Default:

```
1000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.locations.<name>.proxyPass
Adds proxy_pass directive and sets recommended proxy headers if recommendedProxySettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"http://www.example.org/"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.locations.<name>.proxyWebsockets
Whether to support proxying websocket connections with HTTP/1.1.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.locations.<name>.recommendedProxySettings
Enable recommended proxy settings.

Type: boolean

Default:

```
config.services.nginx.recommendedProxySettings
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.locations.<name>.recommendedUwsgiSettings
Enable recommended uwsgi settings.

Type: boolean

Default:

```
config.services.nginx.recommendedUwsgiSettings
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.locations.<name>.return
Adds a return directive, for e.g. redirections.

Type: null or string or signed integer

Default:

```
null
```

Example:

```
"301 http://example.com$request_uri"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.locations.<name>.root
Root directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/root/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.locations.<name>.tryFiles
Adds try_files directive.

Type: null or string

Default:

```
null
```

Example:

```
"$uri =404"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.locations.<name>.uwsgiPass
Adds uwsgi_pass directive and sets recommended proxy headers if recommendedUwsgiSettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"unix:/run/example/example.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.onlySSL
Whether to enable HTTPS and reject plain HTTP connections. This will set defaults for 'listen' to listen on all interfaces on port 443.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.quic
Whether to enable the QUIC transport protocol. Note that QUIC support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.redirectCode
HTTP status used by 'globalRedirect' and 'forceSSL'. Possible usecases include temporary (302, 307) redirects, keeping the request method and body (307, 308), or explicitly resetting the method to GET (303). See **https://developer.mozilla.org/en−US/docs/Web/HTTP/Redirections**.

Type: integer between 300 and 399 (both inclusive)

Default:

```
301
```

Example:

```
308
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.rejectSSL
Whether to listen for and reject all HTTPS connections to this vhost. Useful in **default** server blocks to avoid serving the certificate for another vhost. Uses the 'ssl_reject_handshake' directive available in nginx versions 1.19.4 and above.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.reuseport
Create an individual listening socket . It is required to specify only once on one of the hosts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.root
The path of the web root directory.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/data/webserver/docs"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.serverAliases
Additional names of virtual hosts served by this virtual host configuration.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
  "example.org"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.serverName
Name of this virtual host. Defaults to attribute name in virtualHosts.

Type: null or string

Default:

```
null
```

Example:

```
"example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.sslCertificate
Path to server SSL certificate.

Type: absolute path

Example:

```
"/var/host.cert"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.sslCertificateKey
Path to server SSL certificate key.

Type: absolute path

Example:

```
"/var/host.key"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.sslTrustedCertificate
Path to root SSL certificate for stapling and client certificates.

Type: null or absolute path

Default:

```
null
```

Example:

```
"${pkgs.cacert}/etc/ssl/certs/ca−bundle.crt"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.akkoma.nginx.useACMEHost
A host of an existing Let's Encrypt certificate to use. This is useful if you have many subdomains and want to avoid hitting the **rate limit**. Alternately, you can generate a certificate through **enableACME**. *Note that this option does not create any certificates, nor it does add subdomains to existing ones – you will need to create them manually using* **security.acme.certs**[2].

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

2. see the **security.acme.certs** option

services.akkoma.user
User account under which Akkoma runs.

Type: non−empty string

Default:

```
"akkoma"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/akkoma.nix>

services.alerta.enable
Whether to enable alerta.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/alerta.nix>

services.alerta.authenticationRequired
Whether users must authenticate when using the web UI or command−line tool

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/alerta.nix>

services.alerta.bind
Address to bind to. The default is to bind to all addresses

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/alerta.nix>

services.alerta.corsOrigins
List of URLs that can access the API for Cross−Origin Resource Sharing (CORS)

Type: list of string

Default:

```
[
  "http://localhost"
  "http://localhost:5000"
]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/alerta.nix>

services.alerta.databaseName
Name of the database instance to connect to

Type: string

Default:

```
"monitoring"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/alerta.nix>

services.alerta.databaseUrl
URL of the MongoDB or PostgreSQL database to connect to

Type: string

Default:

```
"mongodb://localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/alerta.nix>

services.alerta.extraConfig
These lines go into alertad.conf verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/alerta.nix>

services.alerta.logDir
Location where the logfiles are stored

Type: absolute path

Default:

```
"/var/log/alerta"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/alerta.nix>

services.alerta.port
Port of Alerta

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5000
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/alerta.nix>

services.alerta.signupEnabled
Whether to prevent sign−up of new users via the web UI

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/alerta.nix>

services.alice−lg.enable
Whether to enable Alice Looking Glass.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/alice−lg.nix>

services.alice−lg.package
The alice−lg package to use.

Type: package

Default:

```
pkgs.alice−lg
```

Declared by:
<nixpkgs/nixos/modules/services/networking/alice−lg.nix>

services.alice−lg.settings
alice−lg configuration, for configuration options see the example on **github**

Type: attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Example:

```
{
  server = {
    # configures the built−in webserver and provides global applic \
ation settings
    listen_http = "127.0.0.1:7340";
    enable_prefix_lookup = true;
    asn = 9033;
    store_backend = postgres;
    routes_store_refresh_parallelism = 5;
    neighbors_store_refresh_parallelism = 10000;
    routes_store_refresh_interval = 5;
    neighbors_store_refresh_interval = 5;
  };
  postgres = {
    url = "postgres://postgres:postgres@localhost:5432/alice";
    min_connections = 2;
    max_connections = 128;
  };
  pagination = {
    routes_filtered_page_size = 250;
```

```
      routes_accepted_page_size = 250;
      routes_not_exported_page_size = 250;
    };
  }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/alice-lg.nix>

services.alloy.enable
Whether to enable Grafana Alloy.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/alloy.nix>

services.alloy.package
The grafana-alloy package to use.

Type: package

Default:

```
pkgs.grafana-alloy
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/alloy.nix>

services.alloy.configPath
Alloy configuration file/directory path.

We default to '/etc/alloy' here, and expect the user to configure a configuration file via 'environment.etc."alloy/config.alloy"'.

This allows config reload, contrary to specifying a store path.

All '.alloy' files in the same directory (ignoring subdirs) are also honored and are added to 'systemd.services.alloy.reloadTriggers' to enable config reload during nixos-rebuild switch.

This can also point to another directory containing '*.alloy' files, or a single Alloy file in the Nix store (at the cost of reload).

Component names must be unique across all Alloy configuration files, and configuration blocks must not be repeated.

Alloy will continue to run if subsequent reloads of the configuration file fail, potentially marking components as unhealthy depending on the nature of the failure. When this happens, Alloy will continue functioning in the last valid state.

Type: absolute path

Default:

```
"/etc/alloy"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/alloy.nix>

services.alloy.environmentFile

EnvironmentFile as defined in **systemd.exec**(5).

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/alloy.env"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/alloy.nix>

services.alloy.extraFlags

Extra command−line flags passed to **alloy run**.

See **https://grafana.com/docs/alloy/latest/reference/cli/run/**

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "−−server.http.listen−addr=127.0.0.1:12346"
  "−−disable−reporting"
]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/alloy.nix>

services.alps.enable

Whether to enable alps.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/alps.nix>

services.alps.bindIP

The IP the service should listen on.

Type: string

Default:

```
"[::]"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/alps.nix>

services.alps.imaps.host
The IMAPS server address.

Type: string

Default:

```
"[::1]"
```

Example:

```
"mail.example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/alps.nix>

services.alps.imaps.port
The IMAPS server port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
993
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/alps.nix>

services.alps.port
TCP port the service should listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
1323
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/alps.nix>

services.alps.smtps.host
The SMTPS server address.

Type: string

Default:

```
"services.alps.imaps.host"
```

Example:

```
"mail.example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/alps.nix>

services.alps.smtps.port
The SMTPS server port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
465
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/alps.nix>

services.alps.theme

The frontend's theme to use.

Type: one of "alps", "sourcehut"

Default:

```
"sourcehut"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/alps.nix>

services.amazon−cloudwatch−agent.enable

Whether to enable Amazon CloudWatch Agent.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/amazon−cloudwatch−agent.nix>

services.amazon−cloudwatch−agent.package

The amazon−cloudwatch−agent package to use.

Type: package

Default:

```
pkgs.amazon−cloudwatch−agent
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/amazon−cloudwatch−agent.nix>

services.amazon−cloudwatch−agent.commonConfiguration

See **commonConfigurationFile**.

commonConfigurationFile takes precedence over **commonConfiguration**.

Type: TOML value

Default:

```
{ }
```

Example:

```
{
  credentials = {
    shared_credential_file = "/path/to/credentials";
    shared_credential_profile = "profile_name";
  };
  proxy = {
    http_proxy = "http_url";
    https_proxy = "https_url";
    no_proxy = "domain";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/amazon−cloudwatch−agent.nix>

services.amazon−cloudwatch−agent.commonConfigurationFile
Amazon CloudWatch Agent common configuration. See **https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/install−CloudWatch−Agent−commandline−fleet.html#CloudWatch−Agent−profile−instance−first** for supported values.

commonConfigurationFile takes precedence over **commonConfiguration**.

Note: Restricted evaluation blocks access to paths outside the Nix store. This means detecting content changes for mutable paths (i.e. not input or content−addressed) can't be done. As a result, 'nixos−rebuild' won't reload/restart the systemd unit when mutable path contents change. 'systemctl restart amazon−cloudwatch−agent.service' must be used instead.

Type: absolute path

Default:

```
tomlFormat.generate "common−config.toml" cfg.commonConfiguration
```

Example:

```
"/etc/amazon−cloudwatch−agent/amazon−cloudwatch−agent.json"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/amazon−cloudwatch−agent.nix>

services.amazon−cloudwatch−agent.configuration
See **configurationFile**.

configurationFile takes precedence over **configuration**.

Type: JSON value

Default:

```
{ }
```

Example:

```
{
  agent = {
    logfile = "/var/log/amazon−cloudwatch−agent/amazon−cloudwatc \
h−agent.log";
    metrics_collection_interval = 10;
  };
  logs = {
    force_flush_interval = 15;
    log_stream_name = "log_stream_name";
    logs_collected = {
      files = {
        collect_list = [
          {
            file_path = "/var/log/amazon−cloudwatch−agent/amazon \
−cloudwatch−agent.log";
            log_group_name = "amazon−cloudwatch−agent.log";
            log_stream_name = "{instance_id}";
            timezone = "UTC";
          }
        ];
      };
    };
```

```
      };
      metrics = {
        metrics_collected = {
          cpu = {
            append_dimensions = {
              customized_dimension_key_1 = "customized_dimension_value_ \
    1";
              customized_dimension_key_2 = "customized_dimension_value_ \
    2";
            };
            measurement = [
              {
                name = "cpu_usage_idle";
                rename = "CPU_USAGE_IDLE";
                unit = "Percent";
              }
              {
                name = "cpu_usage_nice";
                unit = "Percent";
              }
              "cpu_usage_guest"
            ];
            metrics_collection_interval = 10;
            resource = [
              "*"
            ];
            totalcpu = false;
          };
        };
        namespace = "MyCustomNamespace";
      };
      traces = {
        traces_collected = {
          oltp = { };
          xray = { };
        };
      };
    }
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/amazon−cloudwatch−agent.nix>

services.amazon−cloudwatch−agent.configurationFile

Amazon CloudWatch Agent configuration file. See **https://docs.aws.amazon.com/AmazonCloud-Watch/latest/monitoring/CloudWatch−Agent−Configuration−File−Details.html** for supported values.

The following options aren't supported:

- 'agent.run_as_user'
  - Use **user** instead.

configurationFile takes precedence over **configuration**.

Note: Restricted evaluation blocks access to paths outside the Nix store. This means detecting content changes for mutable paths (i.e. not input or content−addressed) can't be done. As a result,

‘nixos−rebuild’ won’t reload/restart the systemd unit when mutable path contents change. ‘systemctl restart amazon−cloudwatch−agent.service’ must be used instead.

Type: absolute path

Default:

```
jsonFormat.generate "amazon−cloudwatch−agent.json" cfg.configurat \
ion
```

Example:

```
"/etc/amazon−cloudwatch−agent/amazon−cloudwatch−agent.json"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/amazon−cloudwatch−agent.nix>

services.amazon−cloudwatch−agent.mode
Amazon CloudWatch Agent mode. Indicates whether the agent is running in EC2 (“ec2”), on−premises (“onPremise”), or if it should guess based on metadata endpoints like IMDS or the ECS task metadata endpoint (“auto”).

Type: string

Default:

```
"auto"
```

Example:

```
"onPremise"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/amazon−cloudwatch−agent.nix>

services.amazon−cloudwatch−agent.user
The user that runs the Amazon CloudWatch Agent.

Type: string

Default:

```
"root"
```

Example:

```
"amazon−cloudwatch−agent"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/amazon−cloudwatch−agent.nix>

services.amazon−ssm−agent.enable
Whether to enable Amazon SSM agent.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/amazon−ssm−agent.nix>

services.amazon−ssm−agent.package

The amazon−ssm−agent package to use.

Type: package

Default:

```
pkgs.amazon−ssm−agent
```

Declared by:

<nixpkgs/nixos/modules/services/misc/amazon−ssm−agent.nix>

services.amule.enable

Whether to enable aMule daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/amuled.nix>

services.amule.package

The amule−daemon package to use.

Type: package

Default:

```
pkgs.amule−daemon
```

Declared by:

<nixpkgs/nixos/modules/services/networking/amuled.nix>

services.amule.ExternalConnectPasswordFile

File containing the password for connecting with amule−gui, set this only if you didn't set 'settings.ExternalConnect.ECPassword'

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/amuled.nix>

services.amule.WebServerPasswordFile

File containing the password for connecting to the web server, set this only if you didn't set 'settings.ExternalConnect.ECPassword'

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/amuled.nix>

services.amule.amuleWebPackage
The amule−web package to use.

Type: package

Default:

```
pkgs.amule−web
```

Declared by:
<nixpkgs/nixos/modules/services/networking/amuled.nix>

services.amule.dataDir
Directory holding configuration and by default also incoming and temporary files

Type: absolute path

Default:

```
"/var/lib/amuled"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/amuled.nix>

services.amule.extraArgs
Additional passed arguments

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/amuled.nix>

services.amule.group
Group under which amule runs

Type: string

Default:

```
"amule"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/amuled.nix>

services.amule.openExternalConnectPort
Whether to enable open the external connect port.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/amuled.nix>

services.amule.openPeerPorts

Whether to enable open the peer port(s) in the firewall.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/amuled.nix>

services.amule.openWebServerPort

Whether to enable open the web server port.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/amuled.nix>

services.amule.settings

Free form attribute set for aMule settings. The final configuration file is generated merging the default settings with these options.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Example:

```
{
  eMule = {
    IncomingDir = "/mnt/hd/amule/Incoming";
    TempDir = "/mnt/hd/amule/Temp";
  };
  WebServer.Enabled = 1;
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/amuled.nix>

services.amule.settings.ExternalConnect.ECPassword

MD5 hash of the password, obtainaible with ‘echo "<password>" | md5sum | cut −d ' ' −f 1’

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/amuled.nix>

services.amule.settings.ExternalConnect.ECPort
TCP port for external connections, like remote control via amule−gui

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
4712
```

Declared by:
<nixpkgs/nixos/modules/services/networking/amuled.nix>

services.amule.settings.WebServer.Enabled
Set to 1 to enable the web server

Type: one of 0, 1

Default:

Declared by:
<nixpkgs/nixos/modules/services/networking/amuled.nix>

services.amule.settings.WebServer.Password
MD5 hash of the password, obtainaible with ‘echo "<password>" | md5sum | cut −d ' ' −f 1’

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/amuled.nix>

services.amule.settings.WebServer.Port
Web server port

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
4711
```

Declared by:
<nixpkgs/nixos/modules/services/networking/amuled.nix>

services.amule.settings.eMule.IncomingDir
Directory where aMule moves completed downloads. Files in this directory are automatically shared. Ensure the aMule service has write permissions

Type: absolute path

Default:

```
${config.services.amule.dataDir}/Incoming
```

Declared by:
<nixpkgs/nixos/modules/services/networking/amuled.nix>

services.amule.settings.eMule.Port
TCP port for eD2k connections. Required for connecting to servers and achieving a High ID.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
4662
```

Declared by:
<nixpkgs/nixos/modules/services/networking/amuled.nix>

services.amule.settings.eMule.TempDir
Directory where aMule stores incomplete downloads (.part/.part.met files).

Type: absolute path

Default:

```
${config.services.amule.dataDir}/Temp
```

Declared by:
<nixpkgs/nixos/modules/services/networking/amuled.nix>

services.amule.settings.eMule.UDPPort
UDP port for eD2k traffic (searches, source exchange) and all Kad network communication. Essential for a High ID on both networks and proper Kad functioning.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
4672
```

Declared by:
<nixpkgs/nixos/modules/services/networking/amuled.nix>

services.amule.user
The user the aMule daemon should run as

Type: string

Default:

```
"amule"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/amuled.nix>

services.ananicy.enable
Whether to enable Ananicy, an auto nice daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ananicy.nix>

services.ananicy.package
The ananicy package to use.

Type: package

Default:

```
pkgs.ananicy
```

Example:

```
ananicy-cpp
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ananicy.nix>

services.ananicy.extraCgroups
Cgroups to write in 'nixCgroups.cgroups'. See: **https://gitlab.com/ananicy-cpp/ananicy-cpp/#cgroups**

Type: list of (attribute set)

Default:

```
[ ]
```

Example:

```
[
  {
    CPUQuota = 80;
    cgroup = "cpu80";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ananicy.nix>

services.ananicy.extraRules
Rules to write in 'nixRules.rules'. See: **https://github.com/Nefelim4ag/Ananicy#configuration**

https://gitlab.com/ananicy-cpp/ananicy-cpp/#global-configuration

Type: list of (attribute set)

Default:

```
[ ]
```

Example:

```
[
  {
    name = "eog";
    type = "Image-Viewer";
  }
  {
    name = "fdupes";
    type = "BG_CPUIO";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ananicy.nix>

services.ananicy.extraTypes
Types to write in 'nixTypes.types'. See: **https://gitlab.com/ananicy-cpp/ananicy-cpp/#types**

Type: list of (attribute set)

Default:

```
[ ]
```

Example:

```
[
  {
```

```
    nice = 19;
    other_parameter = "value";
    type = "my_type";
  }
  {
    ioclass = "idle";
    nice = 19;
    sched = "batch";
    type = "compiler";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ananicy.nix>

services.ananicy.rulesProvider
Which package to copy default rules,types,cgroups from.

Type: package

Default:

```
pkgs.ananicy
```

Example:

```
ananicy-cpp
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ananicy.nix>

services.ananicy.settings
See **https://github.com/Nefelim4ag/Ananicy/blob/master/ananicy.d/ananicy.conf**

Type: attribute set of (signed integer or boolean or string)

Default:

```
{ }
```

Example:

```
{
  apply_nice = false;
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ananicy.nix>

services.angrr.enable
Whether to enable angrr.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/angrr.nix>

services.angrr.enableNixGcIntegration
Whether to enable nix−gc.service integration.

Type: boolean

Declared by:
<nixpkgs/nixos/modules/services/misc/angrr.nix>

services.angrr.package
The angrr package to use.

Type: package

Default:

```
pkgs.angrr
```

Declared by:
<nixpkgs/nixos/modules/services/misc/angrr.nix>

services.angrr.configFile
Path to the angrr configuration file in TOML format.

If not set, the configuration generated from **services.angrr.settings** will be used. If specified, **services.angrr.settings** will be ignored.

Type: null or absolute path

Default:

```
"TOML file generated from {option}‘services.angrr.settings‘"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/angrr.nix>

services.angrr.extraArgs
Extra command−line arguments pass to angrr.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/angrr.nix>

services.angrr.logLevel
Set the log level of angrr.

Type: one of “off”, “error”, “warn”, “info”, “debug”, “trace”

Default:

```
"info"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/angrr.nix>

services.angrr.settings
Global configuration for angrr in TOML format.

Type: open submodule of (TOML value)

Example:

```
{
  profile-policies = {
    system = {
```

```
            keep-booted-system = true;
            keep-current-system = true;
            keep-latest-n = 5;
            keep-since = "14d";
            profile-paths = [
              "/nix/var/nix/profiles/system"
            ];
          };
          user = {
            enable = false;
            keep-booted-system = false;
            keep-current-system = false;
            keep-latest-n = 1;
            keep-since = "1d";
            profile-paths = [
              "~/.local/state/nix/profiles/profile"
              "/nix/var/nix/profiles/per-user/root/profile"
            ];
          };
        };
        temporary-root-policies = {
          direnv = {
            path-regex = "/\\.direnv/";
            period = "14d";
          };
          result = {
            path-regex = "/result[^/]*$";
            period = "3d";
          };
        };
      }
```

Declared by:

<nixpkgs/nixos/modules/services/misc/angrr.nix>

services.angrr.settings.owned-only

Only monitors owned symbolic link target of GC roots.

- “auto”: behaves like true for normal users, false for root.
- “true”: only monitor GC roots owned by the current user.
- “false”: monitor all GC roots.

Type: one of “auto”, “true”, “false”

Default:

```
"auto"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/angrr.nix>

services.angrr.settings.profile-policies

Profile GC root policies.

Type: attribute set of (open submodule of (TOML value))

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/angrr.nix>

services.angrr.settings.profile-policies.<name>.enable
Whether to enable this angrr policy.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/angrr.nix>

services.angrr.settings.profile-policies.<name>.keep-booted-system
Whether to keep the last booted system generation. Only useful for system profiles.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/angrr.nix>

services.angrr.settings.profile-policies.<name>.keep-current-system
Whether to keep the current system generation. Only useful for system profiles.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/angrr.nix>

services.angrr.settings.profile-policies.<name>.keep-latest-n
Keep the latest N GC roots in this profile.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/angrr.nix>

services.angrr.settings.profile-policies.<name>.keep-since
Retention period for the GC roots in this profile.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/angrr.nix>

services.angrr.settings.profile−policies.<name>.profile−paths

Paths to the Nix profile.

When angrr runs in owned−only mode, and the option begins with '~', it will be expanded to the home directory of the current user.

When angrr does not run in owned−only mode, and the option begins with '~', it will be expanded to the home of all users discovered respectively.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/misc/angrr.nix>

services.angrr.settings.temporary−root−policies

Policies for temporary GC roots(e.g. result and direnv).

Type: attribute set of (open submodule of (TOML value))

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/misc/angrr.nix>

services.angrr.settings.temporary−root−policies.<name>.enable

Whether to enable this angrr policy.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/angrr.nix>

services.angrr.settings.temporary−root−policies.<name>.filter

External filter program to further filter GC roots matched by this policy.

Type: null or (open submodule of (TOML value))

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/misc/angrr.nix>

services.angrr.settings.temporary−root−policies.<name>.filter.arguments

Extra command−line arguments pass to the external filter program.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/angrr.nix>

services.angrr.settings.temporary−root−policies.<name>.filter.program
Path to the external filter program.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/misc/angrr.nix>

services.angrr.settings.temporary−root−policies.<name>.ignore−prefixes
List of path prefixes to ignore.

If null is specified, angrr builtin settings will be used.

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/angrr.nix>

services.angrr.settings.temporary−root−policies.<name>.ignore−prefixes−in−home
Path prefixes to ignore under home directory.

If null is specified, angrr builtin settings will be used.

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/angrr.nix>

services.angrr.settings.temporary−root−policies.<name>.path−regex
Regex pattern to match the GC root path.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/misc/angrr.nix>

services.angrr.settings.temporary−root−policies.<name>.period
Retention period for the GC roots matched by this policy.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/angrr.nix>

services.angrr.settings.temporary−root−policies.<name>.priority
Priority of this policy.

Lower number means higher priority, if multiple policies monitor the same path, the one with higher priority will be applied.

Type: signed integer

Default:

```
100
```

Declared by:
<nixpkgs/nixos/modules/services/misc/angrr.nix>

services.angrr.settings.touch.project−globs
List of glob patterns to include or exclude files when touching GC roots.

Only applied when ‘angrr touch’ is invoked with the ‘−−project’ flag. Patterns use an inverted gitignore−style semantics. See **https://docs.rs/ignore/latest/ignore/overrides/struct.OverrideBuilder.html#method.add**.

Type: list of string

Default:

```
[
  "!.git"
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/angrr.nix>

services.angrr.timer.enable
Whether to enable angrr timer.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/angrr.nix>

services.angrr.timer.dates
How often or when the retention policy is performed.

Type: string

Default:

```
"03:00"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/angrr.nix>

services.anki−sync−server.enable
Whether to enable anki−sync−server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/anki−sync−server.nix>

services.anki-sync-server.package
The anki-sync-server package to use.

Type: package

Default:

```
pkgs.anki-sync-server
```

Declared by:
<nixpkgs/nixos/modules/services/misc/anki-sync-server.nix>

services.anki-sync-server.address
IP address anki-sync-server listens to. Note host names are not resolved.

Type: string

Default:

```
"::1"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/anki-sync-server.nix>

services.anki-sync-server.baseDirectory
Base directory where user(s) synchronized data will be stored.

Type: string

Default:

```
"%S/%N"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/anki-sync-server.nix>

services.anki-sync-server.openFirewall
Whether to open the firewall for the specified port.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/anki-sync-server.nix>

services.anki-sync-server.port
Port number anki-sync-server listens to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
27701
```

Declared by:
<nixpkgs/nixos/modules/services/misc/anki-sync-server.nix>

services.anki-sync-server.users
List of user-password pairs to provide to the sync server.

Type: list of (submodule)

Declared by:
<nixpkgs/nixos/modules/services/misc/anki-sync-server.nix>

services.anki−sync−server.users.*.password
Password accepted by anki−sync−server for the associated username. **WARNING**: This option is **not secure**. This password will be stored in *plaintext* and will be visible to *all users*. See **services.anki−sync−server.users.passwordFile** for a more secure option.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/anki−sync−server.nix>

services.anki−sync−server.users.*.passwordFile
File containing the password accepted by anki−sync−server for the associated username. Make sure to make readable only by root.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/anki−sync−server.nix>

services.anki−sync−server.users.*.username
User name accepted by anki−sync−server.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/misc/anki−sync−server.nix>

services.anubis.package
The anubis package to use.

Type: package

Default:

```
pkgs.anubis
```

Declared by:
<nixpkgs/nixos/modules/services/networking/anubis.nix>

services.anubis.defaultOptions
Default options for all instances of Anubis.

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/anubis.nix>

services.anubis.defaultOptions.enable
Whether to enable this instance of Anubis.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/anubis.nix>

services.anubis.defaultOptions.extraFlags

A list of extra flags to be passed to Anubis.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-metrics-bind \"\""
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/anubis.nix>

services.anubis.defaultOptions.group

The group under which Anubis is run.

This module utilizes systemd's DynamicUser feature. See the corresponding section in **systemd.exec**(5) for more details.

Type: string

Default:

```
"anubis"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/anubis.nix>

services.anubis.defaultOptions.policy

Anubis policy configuration.

See **the documentation** for details.

Type: submodule

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/anubis.nix>

services.anubis.defaultOptions.policy.extraBots

Additional bot rules appended to the policy.

When **useDefaultBotRules** is 'true', these rules are added after Anubis's default rules. When 'false', only these rules are used.

Type: list of (JSON value)

Default:

```
[ ]
```

Example:

```
[
  {
    name = "my-bot";
```

```
      user_agent_regex = "MyBot/.*";
      action = "ALLOW";
    }
  ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/anubis.nix>

services.anubis.defaultOptions.policy.settings
Additional policy settings merged into the policy file.

Common settings include ‘dnsbl’, ‘store’, ‘logging’, ‘thresholds’, ‘impressum’, ‘openGraph’, and ‘statusCodes’.

See **the documentation** for available options.

Type: JSON value

Default:

```
{ }
```

Example:

```
{
  dnsbl = false;
  store = {
    backend = "bbolt";
    parameters.path = "/var/lib/anubis/data.bdb";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/anubis.nix>

services.anubis.defaultOptions.policy.useDefaultBotRules
Whether to include Anubis’s default bot detection rules via the ‘(data)/meta/default−config.yaml’ import.

Set to ‘false’ to define your own bot rules from scratch using **extraBots**.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/anubis.nix>

services.anubis.defaultOptions.settings
Freeform configuration via environment variables for Anubis.

See **the documentation** for a complete list of available environment variables.

Type: open submodule of attribute set of (null or string or signed integer or boolean)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/anubis.nix>

services.anubis.defaultOptions.settings.BIND_NETWORK

The network family that Anubis should bind to.

Accepts anything supported by Go's 'net.Listen'.

Common values are 'tcp' and 'unix'.

Type: string

Default:

```
"unix"
```

Example:

```
"tcp"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/anubis.nix>

services.anubis.defaultOptions.settings.DIFFICULTY

The difficulty required for clients to solve the challenge.

Currently, this means the amount of leading zeros in a successful response.

Type: signed integer

Default:

```
4
```

Example:

```
5
```

Declared by:

<nixpkgs/nixos/modules/services/networking/anubis.nix>

services.anubis.defaultOptions.settings.METRICS_BIND_NETWORK

The network family that the metrics server should bind to.

Accepts anything supported by Go's 'net.Listen'.

Common values are 'tcp' and 'unix'.

Type: string

Default:

```
"unix"
```

Example:

```
"tcp"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/anubis.nix>

services.anubis.defaultOptions.settings.OG_PASSTHROUGH

Whether to enable Open Graph tag passthrough.

This enables social previews of resources protected by Anubis without having to exempt each scraper individually.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/anubis.nix>

services.anubis.defaultOptions.settings.POLICY_FNAME
The policy file to use. Leave this as 'null' to use the policy generated from **services.anubis.instances.<name>.policy**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/anubis.nix>

services.anubis.defaultOptions.settings.SERVE_ROBOTS_TXT
Whether to serve a default robots.txt that denies access to common AI bots by name and all other bots by wildcard.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/anubis.nix>

services.anubis.defaultOptions.settings.WEBMASTER_EMAIL
If set, shows a contact email address when rendering error pages.

This email address will be how users can get in contact with administrators.

Type: null or string

Default:

```
null
```

Example:

```
"alice@example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/anubis.nix>

services.anubis.defaultOptions.user
The user under which Anubis is run.

This module utilizes systemd's DynamicUser feature. See the corresponding section in **systemd.exec**(5) for more details.

Type: string

Default:

```
"anubis"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/anubis.nix>

services.anubis.instances
An attribute set of Anubis instances.

The attribute name may be an empty string, in which case the '−<name>' suffix is not added to the service name and socket paths.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/anubis.nix>

services.anubis.instances.<name>.enable

Whether to enable this instance of Anubis.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/anubis.nix>

services.anubis.instances.<name>.extraFlags

A list of extra flags to be passed to Anubis.

Type: list of string

Default:

```
config.services.anubis.defaultOptions.extraFlags
```

Example:

```
[
  "-metrics-bind \"\""
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/anubis.nix>

services.anubis.instances.<name>.group

The group under which Anubis is run.

This module utilizes systemd's DynamicUser feature. See the corresponding section in **systemd.exec**(5) for more details.

Type: string

Default:

```
config.services.anubis.defaultOptions.group
```

Declared by:

<nixpkgs/nixos/modules/services/networking/anubis.nix>

services.anubis.instances.<name>.policy

Anubis policy configuration.

See **the documentation** for details.

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/anubis.nix>

services.anubis.instances.<name>.policy.extraBots
Additional bot rules appended to the policy.

When **useDefaultBotRules** is ‘true’, these rules are added after Anubis’s default rules. When ‘false’, only these rules are used.

Type: list of (JSON value)

Default:

```
config.services.anubis.defaultOptions.policy.extraBots
```

Example:

```
[
  {
    name = "my-bot";
    user_agent_regex = "MyBot/.*";
    action = "ALLOW";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/anubis.nix>

services.anubis.instances.<name>.policy.settings
Additional policy settings merged into the policy file.

Common settings include ‘dnsbl’, ‘store’, ‘logging’, ‘thresholds’, ‘impressum’, ‘openGraph’, and ‘statusCodes’.

See **the documentation** for available options.

Type: JSON value

Default:

```
config.services.anubis.defaultOptions.policy.settings
```

Example:

```
{
  dnsbl = false;
  store = {
    backend = "bbolt";
    parameters.path = "/var/lib/anubis/data.bdb";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/anubis.nix>

services.anubis.instances.<name>.policy.useDefaultBotRules
Whether to include Anubis’s default bot detection rules via the ‘(data)/meta/default-config.yaml’ import.

Set to ‘false’ to define your own bot rules from scratch using **extraBots**.

Type: boolean

Default:

```
config.services.anubis.defaultOptions.policy.useDefaultBotRules
```

Declared by:
<nixpkgs/nixos/modules/services/networking/anubis.nix>

services.anubis.instances.<name>.settings
Freeform configuration via environment variables for Anubis.

See **the documentation** for a complete list of available environment variables.

Type: open submodule of attribute set of (null or string or signed integer or boolean)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/anubis.nix>

services.anubis.instances.<name>.settings.BIND
The address that Anubis listens to. See Go's 'net.Listen' for syntax. When using unix sockets:

- use the prefix "/run/anubis/anubis/" if the instance name is the empty string,
- "/run/anubis/anubis−<name>/" otherwise.

Defaults to Unix domain sockets. To use TCP sockets, set this to a TCP address and 'BIND_NETWORK' to '"tcp"'.

Type: string

Default:

```
"/run/anubis/anubis−‹name›/anubis.sock"
```

Example:

```
":8080"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/anubis.nix>

services.anubis.instances.<name>.settings.BIND_NETWORK
The network family that Anubis should bind to.

Accepts anything supported by Go's 'net.Listen'.

Common values are 'tcp' and 'unix'.

Type: string

Default:

```
config.services.anubis.defaultOptions.settings.BIND_NETWORK
```

Example:

```
"tcp"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/anubis.nix>

services.anubis.instances.<name>.settings.DIFFICULTY
The difficulty required for clients to solve the challenge.

Currently, this means the amount of leading zeros in a successful response.

Type: signed integer

Default:

```
config.services.anubis.defaultOptions.settings.DIFFICULTY
```

Example:

```
5
```

Declared by:
<nixpkgs/nixos/modules/services/networking/anubis.nix>

services.anubis.instances.<name>.settings.METRICS_BIND
The address Anubis' metrics server listens to. See Go's 'net.Listen' for syntax. When using unix sockets:

- use the prefix "/run/anubis/anubis/" if the instance name is the empty string,
- "/run/anubis/anubis−<name>/" otherwise.

The metrics server is enabled by default and may be disabled. However, due to implementation details, this is only possible by setting a command line flag. See **services.anubis.defaultOptions.extraFlags** for an example.

Defaults to Unix domain sockets. To use TCP sockets, set this to a TCP address and 'METRICS_BIND_NETWORK' to '"tcp"'.

Type: string

Default:

```
"/run/anubis/anubis−‹name›/anubis−metrics.sock"
```

Example:

```
"127.0.0.1:8081"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/anubis.nix>

services.anubis.instances.<name>.settings.METRICS_BIND_NETWORK
The network family that the metrics server should bind to.

Accepts anything supported by Go's 'net.Listen'.

Common values are 'tcp' and 'unix'.

Type: string

Default:

```
config.services.anubis.defaultOptions.settings.METRICS_BIND_NETWORK
```

Example:

```
"tcp"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/anubis.nix>

services.anubis.instances.<name>.settings.OG_PASSTHROUGH
Whether to enable Open Graph tag passthrough.

This enables social previews of resources protected by Anubis without having to exempt each scraper individually.

Type: boolean

Default:

```
config.services.anubis.defaultOptions.settings.OG_PASSTHROUGH
```

Declared by:
<nixpkgs/nixos/modules/services/networking/anubis.nix>

services.anubis.instances.<name>.settings.POLICY_FNAME

The policy file to use. Leave this as 'null' to use the policy generated from **services.anubis.instances.<name>.policy**.

Type: null or absolute path

Default:

```
config.services.anubis.defaultOptions.settings.POLICY_FNAME
```

Declared by:

<nixpkgs/nixos/modules/services/networking/anubis.nix>

services.anubis.instances.<name>.settings.SERVE_ROBOTS_TXT

Whether to serve a default robots.txt that denies access to common AI bots by name and all other bots by wildcard.

Type: boolean

Default:

```
config.services.anubis.defaultOptions.settings.SERVE_ROBOTS_TXT
```

Declared by:

<nixpkgs/nixos/modules/services/networking/anubis.nix>

services.anubis.instances.<name>.settings.TARGET

The reverse proxy target that Anubis is protecting. This is a required option.

The usage of Unix domain sockets is supported by the following syntax: 'unix:///path/to/socket.sock'.

Type: string

Example:

```
"http://127.0.0.1:8000"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/anubis.nix>

services.anubis.instances.<name>.settings.WEBMASTER_EMAIL

If set, shows a contact email address when rendering error pages.

This email address will be how users can get in contact with administrators.

Type: null or string

Default:

```
config.services.anubis.defaultOptions.settings.WEBMASTER_EMAIL
```

Example:

```
"alice@example.com"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/anubis.nix>

services.anubis.instances.<name>.user

The user under which Anubis is run.

This module utilizes systemd's DynamicUser feature. See the corresponding section in **systemd.exec**(5) for more details.

Type: string

Default:

```
config.services.anubis.defaultOptions.user
```

Declared by:
<nixpkgs/nixos/modules/services/networking/anubis.nix>

services.anuko−time−tracker.enable
Whether to enable Anuko Time Tracker.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.package
The anuko−time−tracker package to use.

Type: package

Default:

```
pkgs.anuko−time−tracker
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.dataDir
Default data folder for Anuko Time Tracker.

Type: string

Default:

```
"/var/lib/anuko−time−tracker"
```

Example:

```
"/mnt/anuko−time−tracker"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.database.createLocally
Create the database and database user locally.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.database.host
Database host.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.database.name
Database name.

Type: string

Default:

```
"anuko_time_tracker"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.database.passwordFile
Database user password file.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.database.user
Database username.

Type: string

Default:

```
"anuko_time_tracker"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.hostname
The hostname to serve Anuko Time Tracker on.

Type: string

Default:

```
config.networking.fqdn
```

Example:

```
"anuko.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx
With this option, you can customize the Nginx virtualHost settings.

Type: submodule

Default:

```
{ }
```

Example:

```
{
  serverAliases = [
    "anuko.${config.networking.domain}"
  ];
```

```
  # To enable encryption and let let's encrypt take care of certifi \
cate
  forceSSL = true;
  enableACME = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.enableACME
Whether to ask Let's Encrypt to sign a certificate for this vhost. Alternately, you can use an existing certificate through **useACMEHost**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.acmeFallbackHost
Host which to proxy requests to if ACME challenge is not found. Useful if you want multiple hosts to be able to verify the same domain name.

With this option, you could request certificates for the present domain with an ACME client that is running on another host, which you would specify here.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.acmeRoot
Directory for the ACME challenge, which is **public**. Don't put certs or keys in here. Set to null to inherit from config.security.acme.

Type: null or string

Default:

```
"/var/lib/acme/acme−challenge"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.addSSL
Whether to enable HTTPS in addition to plain HTTP. This will set defaults for 'listen' to listen on all interfaces on the respective default ports (80, 443).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.basicAuth

Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.basicAuthFile

Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.default

Makes this vhost the default.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.extraConfig

These lines go to the end of the vhost verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.forceSSL

Whether to add a separate nginx server block that redirects (defaults to 301, configurable with ‘redirectCode’) all plain HTTP traffic to HTTPS. This will set defaults for ‘listen’ to listen on all interfaces on the respective default ports (80, 443), where the non−SSL listens are used for the redirect vhosts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.globalRedirect
If set, all requests for this host are redirected (defaults to 301, configurable with 'redirectCode') to the given hostname.

Type: null or string

Default:

```
null
```

Example:

```
"newserver.example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.http2
Whether to enable the HTTP/2 protocol. Note that (as of writing) due to nginx's implementation, to disable HTTP/2 you have to disable it on all vhosts that use a given IP address / port. If there is one server block configured to enable http2, then it is enabled for all server blocks on this IP. See **https://stackoverflow.com/a/39466948/263061**.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.http3
Whether to enable the HTTP/3 protocol. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that HTTP/3 support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/** HTTP/3 availability must be manually advertised, preferably in each location block.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.http3_hq
Whether to enable the HTTP/0.9 protocol negotiation used in QUIC interoperability tests. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that special application protocol support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.kTLS

Whether to enable kTLS support. Implementing TLS in the kernel (kTLS) improves performance by significantly reducing the need for copying operations between user space and the kernel. Required Nginx version 1.21.4 or later.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.listen

Listen addresses and ports for this virtual host. IPv6 addresses must be enclosed in square brackets. Note: this option overrides ‘addSSL’ and ‘onlySSL’.

If you only want to set the addresses manually and not the ports, take a look at ‘listenAddresses’.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    addr = "195.154.1.1";
    port = 443;
    ssl = true;
  }
  {
    addr = "192.154.1.1";
    port = 80;
  }
  {
    addr = "unix:/var/run/nginx.sock";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.listen.*.addr

Listen address.

Type: string

Declared by:

<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.listen.*.extraParameters

Extra parameters of this listen directive.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
```

```
  "backlog=1024"
  "deferred"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.listen.*.port
Port number to listen on. If unset and the listen address is not a socket then nginx defaults to 80.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.listen.*.proxyProtocol
Enable PROXY protocol.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.listen.*.ssl
Enable SSL.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.listenAddresses
Listen addresses for this virtual host. Compared to ‘listen’ this only sets the addresses and the ports are chosen automatically.

Note: This option overrides ‘networking.enableIPv6’

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "127.0.0.1"
  "[::1]"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.locations

Declarative location config

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "/" = {
    proxyPass = "http://localhost:3000";
  };
};
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.locations.<name>.alias

Alias directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/alias/directory"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.locations.<name>.basicAuth

Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.locations.<name>.basicAuthFile

Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.locations.<name>.extraConfig
These lines go to the end of the location verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.locations.<name>.fastcgiParams
FastCGI parameters to override. Unlike in the Nginx configuration file, overriding only some default parameters won’t unset the default values for other parameters.

Type: attribute set of (string or absolute path)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.locations.<name>.index
Adds index directive.

Type: null or string

Default:

```
null
```

Example:

```
"index.php index.html"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.locations.<name>.priority
Order of this location block in relation to the others in the vhost. The semantics are the same as with ‘lib.mkOrder’. Smaller values have a greater priority.

Type: signed integer

Default:

```
1000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.locations.<name>.proxyPass
Adds proxy_pass directive and sets recommended proxy headers if recommendedProxySettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"http://www.example.org/"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.locations.<name>.proxyWebsockets
Whether to support proxying websocket connections with HTTP/1.1.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.locations.<name>.recommendedProxySettings
Enable recommended proxy settings.

Type: boolean

Default:

```
config.services.nginx.recommendedProxySettings
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.locations.<name>.recommendedUwsgiSettings
Enable recommended uwsgi settings.

Type: boolean

Default:

```
config.services.nginx.recommendedUwsgiSettings
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.locations.<name>.return
Adds a return directive, for e.g. redirections.

Type: null or string or signed integer

Default:

```
null
```

Example:

```
"301 http://example.com$request_uri"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.locations.<name>.root
Root directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/root/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.locations.<name>.tryFiles
Adds try_files directive.

Type: null or string

Default:

```
null
```

Example:

```
"$uri =404"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.locations.<name>.uwsgiPass
Adds uwsgi_pass directive and sets recommended proxy headers if recommendedUwsgiSettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"unix:/run/example/example.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.onlySSL
Whether to enable HTTPS and reject plain HTTP connections. This will set defaults for 'listen' to listen on all interfaces on port 443.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.quic
Whether to enable the QUIC transport protocol. Note that QUIC support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.redirectCode
HTTP status used by 'globalRedirect' and 'forceSSL'. Possible usecases include temporary (302, 307) redirects, keeping the request method and body (307, 308), or explicitly resetting the method to GET (303). See **https://developer.mozilla.org/en−US/docs/Web/HTTP/Redirections**.

Type: integer between 300 and 399 (both inclusive)

Default:

```
301
```

Example:

```
308
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.rejectSSL
Whether to listen for and reject all HTTPS connections to this vhost. Useful in **default** server blocks to avoid serving the certificate for another vhost. Uses the 'ssl_reject_handshake' directive available in nginx versions 1.19.4 and above.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.reuseport
Create an individual listening socket . It is required to specify only once on one of the hosts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.root
The path of the web root directory.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/data/webserver/docs"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.serverAliases
Additional names of virtual hosts served by this virtual host configuration.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
  "example.org"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.serverName
Name of this virtual host. Defaults to attribute name in virtualHosts.

Type: null or string

Default:

```
null
```

Example:

```
"example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.sslCertificate
Path to server SSL certificate.

Type: absolute path

Example:

```
"/var/host.cert"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.sslCertificateKey
Path to server SSL certificate key.

Type: absolute path

Example:

```
"/var/host.key"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.sslTrustedCertificate
Path to root SSL certificate for stapling and client certificates.

Type: null or absolute path

Default:

```
null
```

Example:

```
"${pkgs.cacert}/etc/ssl/certs/ca−bundle.crt"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.nginx.useACMEHost
A host of an existing Let's Encrypt certificate to use. This is useful if you have many subdomains and want to avoid hitting the **rate limit**. Alternately, you can generate a certificate through **enableACME**. *Note that this option does not create any certificates, nor it does add subdomains to existing ones – you will need to create them manually using* **security.acme.certs**[2].

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

2. see the **security.acme.certs** option

services.anuko−time−tracker.poolConfig
Options for Anuko Time Tracker's PHP−FPM pool.

Type: attribute set of (string or signed integer or boolean)

Default:

```
{
  pm = "dynamic";
  "pm.max_children" = 32;
  "pm.max_requests" = 500;
  "pm.max_spare_servers" = 4;
  "pm.min_spare_servers" = 2;
  "pm.start_servers" = 2;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.settings.defaultCurrency
Defines a default currency symbol for new groups. Use €, £, a more specific dollar like US$, CAD, etc.

Type: string

Default:

```
"$"
```

Example:

```
"€"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.settings.defaultLanguage
Defines Anuko Time Tracker default language. It is used on Time Tracker login page. After login, a language set for user group is used. Empty string means the language is defined by user browser.

Type: string

Default:

```
""
```

Example:

```
"nl"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.settings.email.mode
Mail sending mode. Can be 'mail' or 'smtp'.

Type: string

Default:

```
"smtp"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.settings.email.sender
Default sender for mail.

Type: string

Default:

```
"Anuko Time Tracker <bounces@example.com>"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.settings.email.smtpAuth
MTA requires authentication.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.settings.email.smtpDebug
Debug mail sending.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.settings.email.smtpHost
MTA hostname.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.settings.email.smtpPasswordFile
Path to file containing the MTA authentication password.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/lib/anuko−time−tracker/secrets/smtp−password"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.settings.email.smtpPort
MTA port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
25
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.settings.email.smtpUser
MTA authentication username.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.settings.emailRequired
Defines whether an email is required for new registrations.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.settings.exportDecimalDuration
Defines whether time duration values are decimal in CSV and XML data exports (1.25 vs 1:15).

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.settings.forumLink
Forum link from the main menu.

Type: string

Default:

```
"https://www.anuko.com/forum/viewforum.php?f=4"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.settings.helpLink
Help link from the main menu.

Type: string

Default:

```
"https://www.anuko.com/time−tracker/user−guide/index.htm"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.settings.multiorgMode
Defines whether users see the Register option in the menu of Time Tracker that allows them to self−register and create new organizations (top groups).

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.settings.reportFooter
Defines whether to use a footer on reports.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.settings.weekendStartDay
This option defines which days are highlighted with weekend color. 6 means Saturday. For Saudi Arabia, etc. set it to 4 for Thursday and Friday to be weekend days.

Type: signed integer

Default:

```
6
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.anuko−time−tracker.user
User under which Anuko Time Tracker runs.

Type: string

Default:

```
"anuko_time_tracker"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/anuko−time−tracker.nix>

services.apache−kafka.enable
Whether to enable Apache Kafka event streaming broker.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/apache−kafka.nix>

services.apache−kafka.package
The apacheKafka package to use.

Type: package

Default:

```
pkgs.apacheKafka
```

Declared by:
<nixpkgs/nixos/modules/services/misc/apache−kafka.nix>

services.apache−kafka.clusterId
KRaft mode ClusterId used for formatting log directories. Can be generated with ‘kafka−storage.sh random−uuid’

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/apache−kafka.nix>

services.apache−kafka.configFiles.log4jProperties
Kafka log4j property configuration file path

Type: absolute path

Default:

```
"pkgs.writeText \"log4j.properties\" cfg.log4jProperties"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/apache−kafka.nix>

services.apache−kafka.configFiles.serverProperties
Kafka server.properties configuration file path. Defaults to the rendered ‘settings’.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/misc/apache−kafka.nix>

services.apache−kafka.formatLogDirs
Whether to format log dirs in KRaft mode if all log dirs are unformatted, ie. they contain no meta.properties.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/apache−kafka.nix>

services.apache−kafka.formatLogDirsIgnoreFormatted
Whether to ignore already formatted log dirs when formatting log dirs, instead of failing. Useful when replacing or adding disks.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/apache−kafka.nix>

services.apache−kafka.jre
The JRE with which to run Kafka

Type: package

Default:

```
pkgs.apacheKafka.passthru.jre
```

Declared by:
<nixpkgs/nixos/modules/services/misc/apache−kafka.nix>

services.apache−kafka.jvmOptions
Extra command line options for the JVM running Kafka.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "−Djava.net.preferIPv4Stack=true"
  "−Dcom.sun.management.jmxremote"
  "−Dcom.sun.management.jmxremote.local.only=true"
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/apache−kafka.nix>

services.apache−kafka.log4jProperties
Kafka log4j property configuration.

Type: strings concatenated with “\n”

Default:

```
log4j.rootLogger=INFO, stdout

log4j.appender.stdout=org.apache.log4j.ConsoleAppender
log4j.appender.stdout.layout=org.apache.log4j.PatternLayout
log4j.appender.stdout.layout.ConversionPattern=[%d] %p %m (%c)%n
```

Declared by:
<nixpkgs/nixos/modules/services/misc/apache−kafka.nix>

services.apache−kafka.settings

Kafka broker configuration *server.properties*.

Note that .properties files contain mappings from string to string. Keys with dots are NOT represented by nested attrs in these settings, but instead as quoted strings (ie. ‘settings."broker.id"’, NOT ‘settings.broker.id’).

Type: open submodule of lazy attribute set of (null or boolean or signed integer or string or list of (boolean or signed integer or string))

Declared by:
<nixpkgs/nixos/modules/services/misc/apache−kafka.nix>

services.apache−kafka.settings."broker.id"
Broker ID. −1 or null to auto−allocate in zookeeper mode.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/apache−kafka.nix>

services.apache−kafka.settings.listeners
Kafka Listener List. See **listeners**.

Type: list of string

Default:

```
[
  "PLAINTEXT://localhost:9092"
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/apache−kafka.nix>

services.apache−kafka.settings."log.dirs"
Log file directories.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/apache−kafka.nix>

services.apcupsd.enable
Whether to enable the APC UPS daemon. apcupsd monitors your UPS and permits orderly shutdown of your computer in the event of a power failure. User manual: http://www.apcupsd.com/manual/manual.html. Note that apcupsd runs as root (to allow shutdown of computer). You can check the status of your UPS with the “apcaccess” command.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/apcupsd.nix>

services.apcupsd.configText
Contents of the runtime configuration file, apcupsd.conf. The default settings makes apcupsd autodetect USB UPSes, limit network access to localhost and shutdown the system when the battery level is below 50 percent, or when the UPS has calculated that it has 5 minutes or less of remaining power−on time. See man apcupsd.conf for details.

Type: strings concatenated with “\n”

Default:

```
UPSTYPE usb
```

```
NISIP 127.0.0.1
BATTERYLEVEL 50
MINUTES 5
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/apcupsd.nix>

services.apcupsd.hooks
Each attribute in this option names an apcupsd event and the string value it contains will be executed in a shell, in response to that event (prior to the default action). See “man apccontrol” for the list of events and what they represent.

A hook script can stop apccontrol from doing its default action by exiting with value 99. Do not do this unless you know what you’re doing.

Type: attribute set of strings concatenated with “\n”

Default:

```
{ }
```

Example:

```
{
  doshutdown = "# shell commands to notify that the computer is shu \
tting down";
}
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/apcupsd.nix>

services.arbtt.enable
Whether to enable Arbtt statistics capture service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/arbtt.nix>

services.arbtt.package
The arbtt package to use.

Type: package

Default:

```
pkgs.haskellPackages.arbtt
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/arbtt.nix>

services.arbtt.logFile
The log file for captured samples.

Type: string

Default:

```
"%h/.arbtt/capture.log"
```

Example:

```
"/home/username/.arbtt-capture.log"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/arbtt.nix>

services.arbtt.sampleRate
The sampling interval in seconds.

Type: signed integer

Default:

```
60
```

Example:

```
120
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/arbtt.nix>

services.archisteamfarm.enable
If enabled, starts the ArchisSteamFarm service. For configuring the SteamGuard token you will need to use the web-ui, which is enabled by default over on 127.0.0.1:1242. You cannot configure ASF in any way outside of nix, since all the config files get wiped on restart and replaced with the programnatically set ones by nix.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/games/archisteamfarm.nix>

services.archisteamfarm.package
The archisteamfarm package to use. ::: {.warning} Should always be the latest version, for security reasons, since this module uses very new features and to not get out of sync with the Steam API. :::

Type: package

Default:

```
pkgs.archisteamfarm
```

Declared by:
<nixpkgs/nixos/modules/services/games/archisteamfarm.nix>

services.archisteamfarm.bots
Bots name and configuration.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  exampleBot = {
    passwordFile = "/var/lib/archisteamfarm/secrets/password";
    settings = {
      SteamParentalCode = "1234";
    };
    username = "alice";
```

```
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/games/archisteamfarm.nix>

services.archisteamfarm.bots.<name>.enabled
Whether to enable the bot on startup.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/games/archisteamfarm.nix>

services.archisteamfarm.bots.<name>.passwordFile
Path to a file containing the password. The file must be readable by the ‘archisteamfarm’ user/group. Omit or set to null to provide the password a different way, such as through the web−ui.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/games/archisteamfarm.nix>

services.archisteamfarm.bots.<name>.settings
Additional settings that are documented **here**.

Type: attribute set

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/games/archisteamfarm.nix>

services.archisteamfarm.bots.<name>.username
Name of the user to log in. Default is attribute name.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/games/archisteamfarm.nix>

services.archisteamfarm.dataDir
The ASF home directory used to store all data. If left as the default value this directory will automatically be created before the ASF server starts, otherwise the sysadmin is responsible for ensuring the directory exists with appropriate ownership and permissions.

Type: absolute path

Default:

```
"/var/lib/archisteamfarm"
```

Declared by:
<nixpkgs/nixos/modules/services/games/archisteamfarm.nix>

services.archisteamfarm.ipcPasswordFile
Path to a file containing the password. The file must be readable by the ‘archisteamfarm’ user/group.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/games/archisteamfarm.nix>

services.archisteamfarm.ipcSettings
Settings to write to IPC.config. All options can be found **here**.

Type: JSON value

Default:

```
{ }
```

Example:

```
{
  Kestrel = {
    Endpoints = {
      HTTP = {
        Url = "http://*:1242";
      };
    };
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/games/archisteamfarm.nix>

services.archisteamfarm.settings
The ASF.json file, all the options are documented **here**. Do note that ‘AutoRestart’ and ‘UpdateChannel’ is always to ‘false’ respectively ‘0’ because NixOS takes care of updating everything. ‘Headless’ is also always set to ‘true’ because there is no way to provide inputs via a systemd service. You should try to keep ASF up to date since upstream does not provide support for anything but the latest version and you’re exposing yourself to all kinds of issues − as is outlined **here**.

Type: JSON value

Default:

```
{ }
```

Example:

```
{
  Statistics = false;
}
```

Declared by:
<nixpkgs/nixos/modules/services/games/archisteamfarm.nix>

services.archisteamfarm.web−ui

The Web−UI hosted on 127.0.0.1:1242.

Type: submodule

Default:

```
{
  enable = true;
}
```

Example:

```
{
  enable = false;
}
```

Declared by:

<nixpkgs/nixos/modules/services/games/archisteamfarm.nix>

services.archisteamfarm.web−ui.enable

Whether to start the web−ui. This is the preferred way of configuring things such as the steam guard token.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/games/archisteamfarm.nix>

services.archisteamfarm.web−ui.package

The ui package to use. ::: {.note} Contents must be in lib/dist :::

Type: package

Default:

```
pkgs.archisteamfarm.ui
```

Declared by:

<nixpkgs/nixos/modules/services/games/archisteamfarm.nix>

services.aria2.enable

Whether or not to enable the headless Aria2 daemon service.

Aria2 daemon can be controlled via the RPC interface using one of many WebUIs (http://localhost:6800/ by default).

Targets are downloaded to ‘/var/lib/aria2/Downloads’ by default and are accessible to users in the ‘aria2’ group.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/aria2.nix>

services.aria2.downloadDirPermission

The permission for ‘settings.dir’.

The default is 0770, which denies access for users not in the ‘aria2’ group.

You may want to adjust ‘serviceUMask’ as well, which further restricts the file permission for newly created files (i.e. the downloads).

Type: string

Default:

```
"0770"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/aria2.nix>

services.aria2.openPorts

Open listen and RPC ports found in ‘settings.listen−port’ and ‘settings.rpc−listen−port’ options in the firewall.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/aria2.nix>

services.aria2.rpcSecretFile

A file containing the RPC secret authorization token. Read **https://aria2.github.io/manual/en/html/aria2c.html#rpc−auth** to know how this option value is used.

Type: absolute path

Example:

```
"/run/secrets/aria2−rpc−token.txt"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/aria2.nix>

services.aria2.serviceUMask

The file mode creation mask for Aria2 service.

The default is 0022 for compatibility reason, as this is the default used by systemd. However, this results in file permission 0644 for new files, and denies ‘aria2’ group member from modifying the file.

You may want to set this value to ‘0002’ so you can manage the file more easily.

Type: string

Default:

```
"0022"
```

Example:

```
"0002"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/aria2.nix>

services.aria2.settings

Generates the *aria2.conf* file. Refer to **the documentation** for all possible settings.

Type: open submodule of attribute set of (boolean or signed integer or floating point number or (optionally newline−terminated) single−line string)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/aria2.nix>

services.aria2.settings.enable−rpc

Enable JSON−RPC/XML−RPC server.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/aria2.nix>

services.aria2.settings.conf−path

Configuration file path.

Type: (optionally newline−terminated) single−line string

Default:

```
"/var/lib/aria2/aria2.conf"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/aria2.nix>

services.aria2.settings.dir

Directory to store downloaded files.

Type: (optionally newline−terminated) single−line string

Default:

```
"/var/lib/aria2/Downloads"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/aria2.nix>

services.aria2.settings.listen−port

Set UDP listening port range used by DHT(IPv4, IPv6) and UDP tracker.

Type: list of attribute set of 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
[
  {
    from = 6881;
    to = 6999;
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/aria2.nix>

services.aria2.settings.rpc−listen−port

Specify a port number for JSON−RPC/XML−RPC server to listen to. Possible Values: 1024−65535

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
6800
```

Declared by:

<nixpkgs/nixos/modules/services/networking/aria2.nix>

services.aria2.settings.save−session

Save error/unfinished downloads to FILE on exit.

Type: (optionally newline−terminated) single−line string

Default:

```
"/var/lib/aria2/aria2.session"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/aria2.nix>

services.armagetronad.servers

Armagetron server definitions.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/games/armagetronad.nix>

services.armagetronad.servers.<name>.enable

Whether to enable armagetronad.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/games/armagetronad.nix>

services.armagetronad.servers.<name>.package

The armagetronad−dedicated package to use. Ensure that you use a derivation which contains the path ‘bin/armagetronad−dedicated’.

Type: package

Default:

```
pkgs.armagetronad−dedicated
```

Example:

```
pkgs.armagetronad."0.2.9−sty+ct+ap".dedicated
```

Declared by:

<nixpkgs/nixos/modules/services/games/armagetronad.nix>

services.armagetronad.servers.<name>.dns
DNS address to use for this server. Optional.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/games/armagetronad.nix>

services.armagetronad.servers.<name>.host
Host to listen on. Used for SERVER_IP.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/games/armagetronad.nix>

services.armagetronad.servers.<name>.name
The name of this server.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/games/armagetronad.nix>

services.armagetronad.servers.<name>.openFirewall
Set to true to open the configured UDP port for Armagetron Advanced.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/games/armagetronad.nix>

services.armagetronad.servers.<name>.port
Port to listen on. Used for SERVER_PORT.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
4534
```

Declared by:
<nixpkgs/nixos/modules/services/games/armagetronad.nix>

services.armagetronad.servers.<name>.roundSettings
Armagetron Advanced server per−round configuration. Refer to: **https://wiki.armagetronad.org/index.php?title=Console_Commands** or ‘armagetronad−dedicated −−doc’ for a list.

This attrset is used to populate ‘everytime.cfg’; see: **https://wiki.armagetronad.org/index.php/Configuration_Files**

Type: attribute set of (atom (null, bool, int, float or string) or a list of them for duplicate keys)

Default:

```
{ }
```

Example:

```
{
  SAY = [
    "Hosted on NixOS"
    "https://nixos.org"
    "iD Tech High Rubber rul3z!! Happy New Year 2008!!1"
  ];
}
```

Declared by:
<nixpkgs/nixos/modules/services/games/armagetronad.nix>

services.armagetronad.servers.<name>.settings
Armagetron Advanced server rules configuration. Refer to: **https://wiki.armagetronad.org/index.php?title=Console_Commands** or ‘armagetronad−dedicated −−doc’ for a list.

This attrset is used to populate ‘settings_custom.cfg’; see: **https://wiki.armagetronad.org/index.php/Configuration_Files**

Type: attribute set of (atom (null, bool, int, float or string) or a list of them for duplicate keys)

Default:

```
{ }
```

Example:

```
{
  CYCLE_RUBBER = 40;
}
```

Declared by:
<nixpkgs/nixos/modules/services/games/armagetronad.nix>

services.arsenik.enable
Whether to enable A 33−key layout that works with all keyboards…

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/arsenik.nix>

services.arsenik.package
The arsenik package to use.

Type: package

Default:

```
pkgs.arsenik
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/arsenik.nix>

services.arsenik.anglemod
Choose here if you want to add an angle mod: ZXCVB are shifted to the left. See https://colemak-mods.github.io/ergonomic−mods/angle.html for more details.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/arsenik.nix>

services.arsenik.hold_timeout
The key must be held XX ms to become a layer shift.

Type: signed integer

Default:

```
200
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/arsenik.nix>

services.arsenik.hrm
Enable homerow.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/arsenik.nix>

services.arsenik.lafayette
Add AltGr programmation layer like Ergo-L

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/arsenik.nix>

services.arsenik.layout
Your keyboard layout. Possible values are: ergol qwerty−lafayette qwerty azerty qwertz bepo optimot

Type: string

Default:

```
"ergol"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/arsenik.nix>

services.arsenik.long_hold_timeout
Slightly higher value for typing keys, to prevent unexpected hold effect.

Type: signed integer

Default:

```
300
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/arsenik.nix>

services.arsenik.lt
Enable layer−taps.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/arsenik.nix>

services.arsenik.mac
Original key arrangement on your keyboard: Mac or PC.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/arsenik.nix>

services.arsenik.num
Add NumRow layer

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/arsenik.nix>

services.arsenik.run
The keyboard shortcut of your application launcher.

Type: string

Default:

```
"M−p"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/arsenik.nix>

services.arsenik.tap_timeout
The key must be pressed twice in XX ms to enable repetitions.

Type: signed integer

Default:

```
200
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/arsenik.nix>

services.arsenik.vim
Navigation layer: ESDF or HJKL?

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/arsenik.nix>

services.arsenik.wide
The right hand is moved one key to the right.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/arsenik.nix>

services.artalk.enable
Whether to enable artalk, a comment system.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/artalk.nix>

services.artalk.package
The artalk package to use.

Type: package

Default:

```
pkgs.artalk
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/artalk.nix>

services.artalk.allowModify
allow Artalk store the settings to config file persistently

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/artalk.nix>

services.artalk.configFile
Artalk config file path. If it is not exist, Artalk will generate one.

Type: string

Default:

```
"/etc/artalk/config.yml"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/artalk.nix>

services.artalk.group

Artalk group name.

Type: string

Default:

```
"artalk"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/artalk.nix>

services.artalk.settings

The artalk configuration.

If you set allowModify to true, Artalk will be able to store the settings in the config file persistently. This section's content will update in the config file after the service restarts.

Options containing secret data should be set to an attribute set containing the attribute '_secret' − a string pointing to a file containing the value the option should be set to.

Type: open submodule of (JSON value)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/artalk.nix>

services.artalk.settings.host

Artalk server listen host

Type: string

Default:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/artalk.nix>

services.artalk.settings.port

Artalk server listen port

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
23366
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/artalk.nix>

services.artalk.user

Artalk user name.

Type: string

Default:

```
"artalk"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/artalk.nix>

services.artalk.workdir

Artalk working directory

Type: string

Default:

```
"/var/lib/artalk"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/artalk.nix>

services.asterisk.enable

Whether to enable the Asterisk PBX server.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/asterisk.nix>

services.asterisk.package

The asterisk package to use.

Type: package

Default:

```
pkgs.asterisk
```

Declared by:

<nixpkgs/nixos/modules/services/networking/asterisk.nix>

services.asterisk.confFiles

Sets the content of config files (typically ending with ‘.conf’) in the Asterisk configuration directory.

Note that if you want to change *asterisk.conf*, it is preferable to use the **services.asterisk.extraConfig** option over this option. If ‘"asterisk.conf"’ is specified with the **confFiles** option (not recommended), you must be prepared to set your own ‘astetcdir’ path.

See **https://www.asterisk.org/community/documentation/** for more examples of what is possible here.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  "extensions.conf" = ''
    [tests]
    ; Dial 100 for "hello, world"
    exten => 100,1,Answer()
    same  =>     n,Wait(1)
    same  =>     n,Playback(hello-world)
    same  =>     n,Hangup()
    [softphones]
    include => tests
    [unauthorized]
  '';
  "sip.conf" = ''
```

```
      [general]
      allowguest=no                ; Require authentication
      context=unauthorized         ; Send unauthorized users to /dev/nu \
ll
      srvlookup=no                 ; Don't do DNS lookup
      udpbindaddr=0.0.0.0          ; Listen on all interfaces
      nat=force_rport,comedia      ; Assume device is behind NAT
      [softphone](!)
      type=friend                  ; Match on username first, IP second
      context=softphones           ; Send to softphones context in
                                   ; extensions.conf file
      host=dynamic                 ; Device will register with asterisk
      disallow=all                 ; Manually specify codecs to allow
      allow=g722
      allow=ulaw
      allow=alaw
      [myphone](softphone)
      secret=GhoshevFew            ; Change this password!
    '';
    "logger.conf" = ''
      [general]
      [logfiles]
      ; Add debug output to log
      syslog.local0 => notice,warning,error,debug
    '';
  }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/asterisk.nix>

services.asterisk.extraArguments

Additional command line arguments to pass to Asterisk.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-vvvddd"
  "-e"
  "1024"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/asterisk.nix>

services.asterisk.extraConfig

Extra configuration options appended to the default *asterisk.conf* file.

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
[options]
verbose=3
debug=3
```

Declared by:

<nixpkgs/nixos/modules/services/networking/asterisk.nix>

services.asterisk.useTheseDefaultConfFiles

Sets these config files to the default content. The default value for this option contains all necesscary files to avoid errors at startup. This does not override settings via **services.asterisk.confFiles**.

Type: list of string

Default:

```
[
  "ari.conf"
  "acl.conf"
  "agents.conf"
  "amd.conf"
  "calendar.conf"
  "cdr.conf"
  "cdr_syslog.conf"
  "cdr_custom.conf"
  "cel.conf"
  "cel_custom.conf"
  "cli_aliases.conf"
  "confbridge.conf"
  "dundi.conf"
  "features.conf"
  "hep.conf"
  "iax.conf"
  "pjsip.conf"
  "pjsip_wizard.conf"
  "phone.conf"
  "phoneprov.conf"
  "queues.conf"
  "res_config_sqlite3.conf"
  "res_parking.conf"
  "statsd.conf"
  "udptl.conf"
  "unistim.conf"
]
```

Example:

```
[
  "sip.conf"
  "dundi.conf"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/asterisk.nix>

services.asusd.enable

Whether to enable the asusd service for ASUS ROG laptops.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/asusd.nix>

services.asusd.package

The asusctl package to use.

Type: package

Default:

```
pkgs.asusctl
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/asusd.nix>

services.asusd.animeConfig

The content of /etc/asusd/anime.ron. See **https://asus-linux.org/manual/asusctl-manual/#anime-control**.

Type: null or (submodule)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/asusd.nix>

services.asusd.animeConfig.source

Path of the source file.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/asusd.nix>

services.asusd.animeConfig.text

Text of the file.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/asusd.nix>

services.asusd.asusdConfig
The content of /etc/asusd/asusd.ron. See **https://asus-linux.org/manual/asusctl-manual/**.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/asusd.nix>

services.asusd.asusdConfig.source
Path of the source file.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/asusd.nix>

services.asusd.asusdConfig.text
Text of the file.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/asusd.nix>

services.asusd.auraConfigs
The content of /etc/asusd/aura_<name>.ron. See **https://asus-linux.org/manual/asusctl-manual/#led-keyboard-control**.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/asusd.nix>

services.asusd.auraConfigs.<name>.source
Path of the source file.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/asusd.nix>

services.asusd.auraConfigs.<name>.text
Text of the file.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/asusd.nix>

services.asusd.fanCurvesConfig
The content of /etc/asusd/fan_curves.ron. See **https://asus-linux.org/manual/asusctl-manual/#fan-curves**.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/asusd.nix>

services.asusd.fanCurvesConfig.source
Path of the source file.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/asusd.nix>

services.asusd.fanCurvesConfig.text
Text of the file.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/asusd.nix>

services.asusd.profileConfig
The content of /etc/asusd/profile.ron. See **https://asus-linux.org/manual/asusctl-manual/#profiles**.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/asusd.nix>

services.asusd.profileConfig.source
Path of the source file.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/asusd.nix>

services.asusd.profileConfig.text
Text of the file.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/asusd.nix>

services.asusd.userLedModesConfig
The content of /etc/asusd/asusd−user−ledmodes.ron. See **https://asus−linux.org/manual/asusctl−manual/#led−keyboard−control**.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/asusd.nix>

services.asusd.userLedModesConfig.source
Path of the source file.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/asusd.nix>

services.asusd.userLedModesConfig.text
Text of the file.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/asusd.nix>

services.atalkd.enable
Whether to enable the AppleTalk daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/atalkd.nix>

services.atalkd.configFile

Optional path to a custom *atalkd.conf* file. When set, this overrides the generated configuration from 'services.atalkd.interfaces'.

Type: null or absolute path

Default:

```
"/nix/store/xxx-atalkd.conf"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/atalkd.nix>

services.atalkd.interfaces

Per−interface configuration for atalkd.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/atalkd.nix>

services.atalkd.interfaces.<name>.config

Optional configuration string for this interface.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/atalkd.nix>

services.atd.enable

Whether to enable the **at** daemon, a command scheduler.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/scheduling/atd.nix>

services.atd.allowEveryone

Whether to make */var/spool/at{jobs,spool}* writeable by everyone (and sticky). This is normally not needed since the **at** commands are setuid/setgid 'atd'.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/scheduling/atd.nix>

services.atftpd.enable

Whether to enable the atftpd TFTP server. By default, the server binds to address 0.0.0.0.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/atftpd.nix>

services.atftpd.extraOptions
Extra command line arguments to pass to atftp.

Type: list of string

Default:

```
[ ]
```

Example:

```
[ "--bind-address 192.168.9.1"
  "--verbose=7"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/atftpd.nix>

services.atftpd.root
Document root directory for the atftpd.

Type: absolute path

Default:

```
"/srv/tftp"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/atftpd.nix>

services.athens.enable
Whether to enable Go module datastore and proxy.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.enablePprof
Enable pprof endpoints.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.package
Which athens derivation to use

Type: package

Default:

```
pkgs.athens
```

Example:

```
"pkgs.athens"
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.basicAuthPass
Password for basic auth. Warning: this is stored in plain text in the config file.

Type: null or string

Default:

```
null
```

Example:

```
"swordfish"
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.basicAuthUser
Username for basic auth.

Type: null or string

Default:

```
null
```

Example:

```
"user"
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.cloudRuntime
Specifies the Cloud Provider on which the Proxy/registry is running.

Type: one of “GCP”, “none”

Default:

```
"none"
```

Example:

```
"GCP"
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.downloadMode
Defines how Athens behaves when a module@version is not found in storage. There are 7 options:

1. “sync”: download the module synchronously and return the results to the client.
2. “async”: return 404, but asynchronously store the module in the storage backend.
3. “redirect”: return a 301 redirect status to the client with the base URL as the DownloadRedirectURL from below.
4. “async_redirect”: same as option number 3 but it will asynchronously store the module to the backend.
5. “none”: return 404 if a module is not found and do nothing.
6. “file:<path>”: will point to an HCL file that specifies any of the 5 options above based on different import paths.
7. “custom:<base64−encoded−hcl>” is the same as option 6 but the file is fully encoded in the option. This is useful for using an environment variable in serverless deployments.

Type: one of “sync”, “async”, “redirect”, “async_redirect”, “none” or string matching the pattern ^file:.*$|^custom:.*$

Default:

```
"async_redirect"
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.downloadURL
URL used if DownloadMode is set to redirect.

Type: string

Default:

```
"https://proxy.golang.org"
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.extraConfig
Extra configuration options for the athens config file.

Type: attribute set

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.filterFile
Filename for the include exclude filter.

Type: null or absolute path

Default:

```
null
```

Example:

```
pkgs.writeText "filterFile" ''
  - github.com/azure
  + github.com/azure/azure-sdk-for-go
  D golang.org/x/tools
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.forceSSL
Force SSL redirects for incoming requests.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.githubToken

Creates .netrc file with the given token to be used for GitHub. Warning: this is stored in plain text in the config file.

Type: null or string

Default:

```
null
```

Example:

```
"ghp_1234567890"
```

Declared by:

<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.globalEndpoint

Endpoint for a package registry in case of a proxy cache miss.

Type: string

Default:

```
""
```

Example:

```
"http://upstream-athens.example.com:3000"
```

Declared by:

<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.goBinary

The Go package used by Athens at runtime.

Athens primarily runs two Go commands:

1. 'go mod download -json <module>@<version>'
2. 'go list -m -json <module>@latest'

Type: package

Default:

```
pkgs.go
```

Example:

```
"pkgs.go_1_23"
```

Declared by:

<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.goBinaryEnvVars

Environment variables to pass to the Go binary.

Type: attribute set

Default:

```
{ }
```

Example:

```
{ "GOPROXY" = "direct", "GODEBUG" = "true" }
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.goEnv
Specifies the type of environment to run. One of ‘development’ or ‘production’.

Type: one of “development”, “production”

Default:

```
"development"
```

Example:

```
"production"
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.goGetDir
Temporary directory that Athens will use to fetch modules from VCS prior to persisting them to a storage backend.

If the value is empty, Athens will use the default OS temp directory.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/tmp/athens"
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.goGetWorkers
Number of workers concurrently downloading modules.

Type: signed integer

Default:

```
10
```

Example:

```
32
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.hgrcPath
Path to the .hgrc file.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/home/user/.hgrc"
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.index.mysql.database
Database name for the MySQL database.

Type: string

Default:

```
"athens"
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.index.mysql.host
Host for the MySQL database.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.index.mysql.params.parseTime
Parse time for the MySQL database.

Type: null or string

Default:

```
"true"
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.index.mysql.params.timeout
Timeout for the MySQL database.

Type: null or string

Default:

```
"30s"
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.index.mysql.password
Password for the MySQL database. Warning: this is stored in plain text in the config file.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.index.mysql.port
Port for the MySQL database.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3306
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.index.mysql.protocol
Protocol for the MySQL database.

Type: string

Default:

```
"tcp"
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.index.mysql.user
User for the MySQL database.

Type: string

Default:

```
"root"
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.index.postgres.database
Database name for the Postgres database.

Type: string

Default:

```
"athens"
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.index.postgres.host
Host for the Postgres database.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.index.postgres.params.connect_timeout
Connect timeout for the Postgres database.

Type: null or string

Default:

```
"30s"
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.index.postgres.params.sslmode
SSL mode for the Postgres database.

Type: null or string

Default:

```
"disable"
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.index.postgres.password
Password for the Postgres database. Warning: this is stored in plain text in the config file.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.index.postgres.port
Port for the Postgres database.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5432
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.index.postgres.user
User for the Postgres database.

Type: string

Default:

```
"postgres"
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.indexType
Type of index backend Athens will use.

Type: one of “none”, “memory”, “mysql”, “postgres”

Default:

```
"none"
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.logLevel
Log level for Athens. Supports all logrus log levels (https://github.com/Sirupsen/logrus#level−logging)".

Type: null or one of “panic”, “fatal”, “error”, “warning”, “info”, “debug”, “trace”

Default:

```
"warning"
```

Example:

```
"debug"
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.netrcPath
Path to the .netrc file.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/home/user/.netrc"
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.networkMode
Configures how Athens will return the results of the /list endpoint as it can be assembled from both its own storage and the upstream VCS.

Note, that for better error messaging, this would also affect how other endpoints behave.

Modes:

1. strict: merge VCS versions with storage versions, but fail if either of them fails.
2. offline: only get storage versions, never reach out to VCS.
3. fallback: only return storage versions, if VCS fails. Note this means that you may see inconsistent results since fallback mode does a best effort of giving you what's available at the time of requesting versions.

Type: one of "strict", "offline", "fallback"

Default:

```
"strict"
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.noSumPatterns
List of patterns that Athens sum db proxy will return a 403 for.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "github.com/mycompany/*"
]
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.pathPrefix

Sets basepath for all routes.

Type: null or string

Default:

```
null
```

Example:

```
"/athens"
```

Declared by:

<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.port

Port number Athens listens on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Example:

```
443
```

Declared by:

<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.pprofPort

Port number for pprof endpoints.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3301
```

Example:

```
443
```

Declared by:

<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.protocolWorkers

Number of workers concurrently serving protocol paths.

Type: signed integer

Default:

```
30
```

Declared by:

<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.robotsFile

Provides /robots.txt for net crawlers.

Type: null or absolute path

Default:

```
null
```

Example:

```
pkgs.writeText "robots.txt" "# my custom robots.txt ..."
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.shutdownTimeout
Number of seconds to wait for the server to shutdown gracefully.

Type: signed integer

Default:

```
60
```

Example:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.singleFlight.etcd.endpoints
URLs that determine all distributed etcd servers.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "localhost:2379"
]
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.singleFlight.redis.endpoint
URL of the redis server.

Type: string

Default:

```
""
```

Example:

```
"localhost:6379"
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.singleFlight.redis.lockConfig.maxRetries
Maximum number of retries for the lock.

Type: signed integer

Default:

```
10
```

Example:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.singleFlight.redis.lockConfig.timeout
Timeout for the lock in seconds.

Type: signed integer

Default:

```
15
```

Example:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.singleFlight.redis.lockConfig.ttl
TTL for the lock in seconds.

Type: signed integer

Default:

```
900
```

Example:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.singleFlight.redis.password
Password for the redis server. Warning: this is stored in plain text in the config file.

Type: string

Default:

```
""
```

Example:

```
"swordfish"
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.singleFlight.redisSentinel.endpoints
URLs that determine all distributed redis servers.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "localhost:26379"
]
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.singleFlight.redisSentinel.lockConfig.maxRetries
Maximum number of retries for the lock.

Type: signed integer

Default:

```
10
```

Example:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.singleFlight.redisSentinel.lockConfig.timeout
Timeout for the lock in seconds.

Type: signed integer

Default:

```
15
```

Example:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.singleFlight.redisSentinel.lockConfig.ttl
TTL for the lock in seconds.

Type: signed integer

Default:

```
900
```

Example:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.singleFlight.redisSentinel.masterName
Name of the sentinel master server.

Type: string

Default:

```
""
```

Example:

```
"redis-1"
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.singleFlight.redisSentinel.sentinelPassword
Password for the sentinel server. Warning: this is stored in plain text in the config file.

Type: string

Default:

```
""
```

Example:

```
"swordfish"
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.singleFlightType
Determines what mechanism Athens uses to manage concurrency flowing into the Athens backend.

Type: one of “memory”, “etcd”, “redis”, “redis−sentinel”, “gcp”, “azureblob”

Default:

```
"memory"
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.statsExporter
Stats exporter to use.

Type: null or value “prometheus” (singular enum)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.storage.azureblob.accountKey
Account key for the Azure Blob storage backend. Warning: this is stored in plain text in the config file.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.storage.azureblob.accountName
Account name for the Azure Blob storage backend.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.storage.azureblob.containerName
Container name for the Azure Blob storage backend.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.storage.cdn.endpoint
hostname of the CDN server.

Type: null or string

Default:

```
null
```

Example:

```
"cdn.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.storage.disk.rootPath
Athens disk root folder.

Type: null or absolute path

Default:

```
"/var/lib/athens"
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.storage.external.url
URL of the backend storage layer.

Type: null or string

Default:

```
null
```

Example:

```
"https://athens.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.storage.gcp.bucket
GCP backend storage bucket.

Type: null or string

Default:

```
null
```

Example:

```
"my-bucket"
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.storage.gcp.jsonKey
Base64 encoded GCP service account key. Warning: this is stored in plain text in the config file.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.storage.gcp.projectID
GCP project ID.

Type: null or string

Default:

```
null
```

Example:

```
"my-project"
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.storage.mongo.certPath
Path to the certificate file for the mongo database.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/etc/ssl/mongo.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.storage.mongo.defaultDBName
Name of the mongo database.

Type: null or string

Default:

```
null
```

Example:

```
"athens"
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.storage.mongo.insecure
Allow insecure connections to the mongo database.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.storage.mongo.url
URL of the mongo database.

Type: null or string

Default:

```
null
```

Example:

```
"mongodb://localhost:27017"
```

Declared by:

<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.storage.s3.awsContainerCredentialsRelativeURI

Container relative url (used by fargate).

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.storage.s3.bucket

Bucket name for the S3 storage backend.

Type: null or string

Default:

```
null
```

Example:

```
"gomods"
```

Declared by:

<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.storage.s3.credentialsEndpoint

Credentials endpoint for the S3 storage backend.

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.storage.s3.endpoint

Endpoint for the S3 storage backend.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.storage.s3.forcePathStyle

Force path style for the S3 storage backend.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.storage.s3.key
Access key id for the S3 storage backend.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.storage.s3.region
Region of the S3 storage backend.

Type: null or string

Default:

```
null
```

Example:

```
"eu-west-3"
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.storage.s3.secret
Secret key for the S3 storage backend. Warning: this is stored in plain text in the config file.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.storage.s3.token
Token for the S3 storage backend. Warning: this is stored in plain text in the config file.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.storage.s3.useDefaultConfiguration
Use default configuration for the S3 storage backend.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.storageType

Specifies the type of storage backend to use.

Type: one of “memory”, “disk”, “mongo”, “gcp”, “s3”, “azureblob”, “external”

Default:

```
"disk"
```

Declared by:

<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.sumDBs

List of fully qualified URLs that Athens will proxy that the go command can use a checksum verifier.

Type: list of string

Default:

```
[
  "https://sum.golang.org"
]
```

Declared by:

<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.timeout

Timeout for external network calls in seconds.

Type: signed integer

Default:

```
300
```

Example:

```
3
```

Declared by:

<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.tlsCertFile

Path to the TLS certificate file.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/etc/ssl/certs/athens.crt"
```

Declared by:

<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.tlsKeyFile

Path to the TLS key file.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/etc/ssl/certs/athens.key"
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.traceExporter
Trace exporter to use.

Type: null or one of “jaeger”, “datadog”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.traceExporterURL
URL endpoint that traces will be sent to.

Type: null or string

Default:

```
null
```

Example:

```
"http://localhost:14268"
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.unixSocket
Path to the unix socket file. If set, Athens will listen on the unix socket instead of TCP socket.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/athens.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.athens.validatorHook
Endpoint to validate modules against.

Not used if empty.

Type: null or string

Default:

```
null
```

Example:

```
"https://validation.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/development/athens.nix>

services.atticd.enable

Whether to enable the atticd, the Nix Binary Cache server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/atticd.nix>

services.atticd.package

The attic−server package to use.

Type: package

Default:

```
pkgs.attic-server
```

Declared by:
<nixpkgs/nixos/modules/services/networking/atticd.nix>

services.atticd.environmentFile

Path to an EnvironmentFile containing required environment variables:

- ATTIC_SERVER_TOKEN_RS256_SECRET_BASE64: The base64−encoded RSA PEM PKCS1 of the RS256 JWT secret. Generate it with ‘openssl genrsa −traditional 4096 | base64 −w0’.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/atticd.nix>

services.atticd.group

The group under which attic runs.

Type: string

Default:

```
"atticd"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/atticd.nix>

services.atticd.mode

Mode in which to run the server.

‘monolithic’ runs all components, and is suitable for single−node deployments.

‘api−server’ runs only the API server, and is suitable for clustering.

‘garbage−collector’ only runs the garbage collector periodically.

A simple NixOS−based Attic deployment will typically have one ‘monolithic’ and any number of ‘api−server’ nodes.

There are several other supported modes that perform one−off operations, but these are the only ones that make sense to run via the NixOS module.

Type: one of “monolithic”, “api−server”, “garbage−collector”

Default:

```
"monolithic"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/atticd.nix>

services.atticd.settings
Structured configurations of atticd. See **https://github.com/zhaofengli/attic/blob/main/server/src/config−template.toml**

Type: TOML value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/atticd.nix>

services.atticd.user
The user under which attic runs.

Type: string

Default:

```
"atticd"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/atticd.nix>

services.atuin.enable
Whether to enable Atuin server for shell history sync.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/atuin.nix>

services.atuin.package
The atuin package to use.

Type: package

Default:

```
pkgs.atuin
```

Declared by:
<nixpkgs/nixos/modules/services/misc/atuin.nix>

services.atuin.database.createLocally
Create the database and database user locally.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/atuin.nix>

services.atuin.database.uri
URI to the database. Can be set to null in which case ATUIN_DB_URI should be set through an EnvironmentFile

Type: null or string

Default:

```
"postgresql:///atuin?host=/run/postgresql"
```

Example:

```
"postgresql://atuin@localhost:5432/atuin"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/atuin.nix>

services.atuin.environmentFile
Environment file, used to set any secret ATUIN_* environment variables, such as ATUIN_DB_URI containing a password. See https://docs.atuin.sh/cli/self−hosting/server−setup/#configuration for available environment variables.

Type: null or absolute path not in the Nix store

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/atuin.nix>

services.atuin.host
The host address the atuin server should listen on.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/atuin.nix>

services.atuin.maxHistoryLength
The max length of each history item the atuin server should store.

Type: signed integer

Default:

```
8192
```

Declared by:
<nixpkgs/nixos/modules/services/misc/atuin.nix>

services.atuin.openFirewall
Open ports in the firewall for the atuin server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/atuin.nix>

services.atuin.openRegistration
Allow new user registrations with the atuin server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/atuin.nix>

services.atuin.path
A path to prepend to all the routes of the server.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/misc/atuin.nix>

services.atuin.port
The port the atuin server should listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8888
```

Declared by:
<nixpkgs/nixos/modules/services/misc/atuin.nix>

services.audiobookshelf.enable
Whether to enable Audiobookshelf, self−hosted audiobook and podcast server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/audiobookshelf.nix>

services.audiobookshelf.package
The audiobookshelf package to use.

Type: package

Default:

```
pkgs.audiobookshelf
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/audiobookshelf.nix>

services.audiobookshelf.dataDir

Path to Audiobookshelf config and metadata inside of /var/lib.

Type: string

Default:

```
"audiobookshelf"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/audiobookshelf.nix>

services.audiobookshelf.group

Group under which Audiobookshelf runs.

Type: string

Default:

```
"audiobookshelf"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/audiobookshelf.nix>

services.audiobookshelf.host

The host Audiobookshelf binds to.

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/audiobookshelf.nix>

services.audiobookshelf.openFirewall

Open ports in the firewall for the Audiobookshelf web interface.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/audiobookshelf.nix>

services.audiobookshelf.port

The TCP port Audiobookshelf will listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8000
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/audiobookshelf.nix>

services.audiobookshelf.user

User account under which Audiobookshelf runs.

Type: string

Default:

```
"audiobookshelf"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/audiobookshelf.nix>

services.authelia.instances

Multi−domain protection currently requires multiple instances of Authelia. If you don’t require multiple instances of Authelia you can define just the one.

https://www.authelia.com/roadmap/active/multi−domain−protection/

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
  {
    main = {
      enable = true;
      secrets.storageEncryptionKeyFile = "/etc/authelia/storageEncr \
yptionKeyFile";
      secrets.jwtSecretFile = "/etc/authelia/jwtSecretFile";
      settings = {
        theme = "light";
        default_2fa_method = "totp";
        log.level = "debug";
        server.disable_healthcheck = true;
      };
    };
    preprod = {
      enable = false;
      secrets.storageEncryptionKeyFile = "/mnt/pre−prod/authelia/s \
torageEncryptionKeyFile";
      secrets.jwtSecretFile = "/mnt/pre−prod/jwtSecretFile";
      settings = {
        theme = "dark";
        default_2fa_method = "webauthn";
        server.host = "0.0.0.0";
      };
    };
    test.enable = true;
    test.secrets.manual = true;
    test.settings.theme = "grey";
    test.settings.server.disable_healthcheck = true;
    test.settingsFiles = [ "/mnt/test/authelia" "/mnt/test−autheli \
a.conf" ];
    };
  }
```

Declared by:
<nixpkgs/nixos/modules/services/security/authelia.nix>

services.authelia.instances.<name>.enable
Whether to enable Authelia instance.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/authelia.nix>

services.authelia.instances.<name>.package
The authelia package to use.

Type: package

Default:

```
pkgs.authelia
```

Declared by:
<nixpkgs/nixos/modules/services/security/authelia.nix>

services.authelia.instances.<name>.environmentVariables
Additional environment variables to provide to authelia. If you are providing secrets please consider the options under **services.authelia.<instance>.secrets** or make sure you use the '_FILE' suffix. If you provide the raw secret rather than the location of a secret file that secret will be preserved in the nix store. For more details: **https://www.authelia.com/configuration/methods/secrets/**

Type: attribute set of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/security/authelia.nix>

services.authelia.instances.<name>.group
The name of the group for this authelia instance.

Type: string

Default:

```
if name == "" then "authelia" else "authelia-${name}"
```

Declared by:
<nixpkgs/nixos/modules/services/security/authelia.nix>

services.authelia.instances.<name>.name
Name is used as a suffix for the service name, user, and group. By default it takes the value you use for '<instance>' in: **services.authelia.instances.<instance>**

When set to the empty string '""', the service name, user, and group will be just 'authelia' without a suffix.

Type: string

Default:

```
"‹name›"
```

Declared by:
<nixpkgs/nixos/modules/services/security/authelia.nix>

services.authelia.instances.<name>.secrets
It is recommended you keep your secrets separate from the configuration. It's especially important to keep the raw secrets out of your nix configuration, as the values will be preserved in your nix store. This attribute allows you to configure the location of secret files to be loaded at runtime.

https://www.authelia.com/configuration/methods/secrets/

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/security/authelia.nix>

services.authelia.instances.<name>.secrets.jwtSecretFile
Path to your JWT secret used during identity verificaton.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/authelia.nix>

services.authelia.instances.<name>.secrets.manual
Configuring authelia's secret files via the secrets attribute set is intended to be convenient and help catch cases where values are required to run at all. If a user wants to set these values themselves and bypass the validation they can set this value to true.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/authelia.nix>

services.authelia.instances.<name>.secrets.oidcHmacSecretFile
Path to your HMAC secret used to sign OIDC JWTs.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/authelia.nix>

services.authelia.instances.<name>.secrets.oidcIssuerPrivateKeyFile
Path to your private key file used to encrypt OIDC JWTs.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/authelia.nix>

services.authelia.instances.<name>.secrets.sessionSecretFile
Path to your session secret. Only used when redis is used as session storage.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/authelia.nix>

services.authelia.instances.<name>.secrets.storageEncryptionKeyFile
Path to your storage encryption key.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/authelia.nix>

services.authelia.instances.<name>.settings
Your Authelia config.yml as a Nix attribute set. There are several values that are defined and documented in nix such as ‘default_2fa_method’, but additional items can also be included.

https://github.com/authelia/authelia/blob/master/config.template.yml

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Example:

```
{
  theme = "light";
  default_2fa_method = "totp";
  log.level = "debug";
  server.disable_healthcheck = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/security/authelia.nix>

services.authelia.instances.<name>.settings.default_2fa_method
Default 2FA method for new users and fallback for preferred but disabled methods.

Type: one of “”, “totp”, “webauthn”, “mobile_push”

Default:

```
""
```

Example:

```
"webauthn"
```

Declared by:

<nixpkgs/nixos/modules/services/security/authelia.nix>

services.authelia.instances.<name>.settings.log.file_path

File path where the logs will be written. If not set logs are written to stdout.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/log/authelia/authelia.log"
```

Declared by:

<nixpkgs/nixos/modules/services/security/authelia.nix>

services.authelia.instances.<name>.settings.log.format

Format the logs are written as.

Type: one of “json”, “text”

Default:

```
"json"
```

Example:

```
"text"
```

Declared by:

<nixpkgs/nixos/modules/services/security/authelia.nix>

services.authelia.instances.<name>.settings.log.keep_stdout

Whether to also log to stdout when a ‘file_path’ is defined.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/security/authelia.nix>

services.authelia.instances.<name>.settings.log.level

Level of verbosity for logs.

Type: one of “trace”, “debug”, “info”, “warn”, “error”

Default:

```
"debug"
```

Example:

```
"info"
```

Declared by:
<nixpkgs/nixos/modules/services/security/authelia.nix>

services.authelia.instances.<name>.settings.server.address
The address to listen on.

Type: string

Default:

```
"tcp://:9091/"
```

Example:

```
"unix:///var/run/authelia.sock?path=authelia&umask=0117"
```

Declared by:
<nixpkgs/nixos/modules/services/security/authelia.nix>

services.authelia.instances.<name>.settings.telemetry.metrics.enabled
Enable Metrics.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/authelia.nix>

services.authelia.instances.<name>.settings.telemetry.metrics.address
The address to listen on for metrics. This should be on a different port to the main ‘server.port’ value.

Type: string

Default:

```
"tcp://127.0.0.1:9959"
```

Example:

```
"tcp://0.0.0.0:8888"
```

Declared by:
<nixpkgs/nixos/modules/services/security/authelia.nix>

services.authelia.instances.<name>.settings.theme
The theme to display.

Type: one of “light”, “dark”, “grey”, “auto”

Default:

```
"light"
```

Example:

```
"dark"
```

Declared by:
<nixpkgs/nixos/modules/services/security/authelia.nix>

services.authelia.instances.<name>.settingsFiles

Here you can provide authelia with configuration files or directories. It is possible to give authelia multiple files and use the nix generated configuration file set via **services.authelia.<instance>.settings**.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[
  "/etc/authelia/config.yml"
  "/etc/authelia/access-control.yml"
  "/etc/authelia/config/"
]
```

Declared by:

<nixpkgs/nixos/modules/services/security/authelia.nix>

services.authelia.instances.<name>.user

The name of the user for this authelia instance.

Type: string

Default:

```
if name == "" then "authelia" else "authelia-${name}"
```

Declared by:

<nixpkgs/nixos/modules/services/security/authelia.nix>

services.auto-cpufreq.enable

Whether to enable auto-cpufreq daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/auto-cpufreq.nix>

services.auto-cpufreq.settings

Configuration for ‘auto-cpufreq’.

The available options can be found in **the example configuration file**.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Example:

```
{
  battery = {
    governor = "powersave";
    turbo = "never";
  };
```

```
    charger = {
      governor = "performance";
      turbo = "auto";
    };
  }
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/auto-cpufreq.nix>

services.auto-epp.enable
Whether to enable auto-epp for amd active pstate.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/auto-epp.nix>

services.auto-epp.package
The auto-epp package to use.

Type: package

Default:

```
pkgs.auto-epp
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/auto-epp.nix>

services.auto-epp.settings
Settings for the auto-epp application. See upstream example: **https://github.com/jothi-prasath/auto-epp/blob/master/sample-auto-epp.conf**

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/auto-epp.nix>

services.auto-epp.settings.Settings.epp_state_for_AC
energy_performance_preference when on plugged in

Note
See available epp states by running: **cat /sys/devices/system/cpu/cpu0/cpufreq/energy_performance_available_preferences**

Type: string

Default:

```
"balance_performance"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/auto−epp.nix>

services.auto−epp.settings.Settings.epp_state_for_BAT
'energy_performance_preference' when on battery

Note
See available epp states by running: **cat /sys/devices/system/cpu/cpu0/cpufreq/energy_performance_available_preferences**

Type: string

Default:

```
"power"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/auto−epp.nix>

services.autobrr.enable
Whether to enable Autobrr.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/autobrr.nix>

services.autobrr.package
The autobrr package to use.

Type: package

Default:

```
pkgs.autobrr
```

Declared by:
<nixpkgs/nixos/modules/services/misc/autobrr.nix>

services.autobrr.openFirewall
Open ports in the firewall for the Autobrr web interface.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/autobrr.nix>

services.autobrr.secretFile
File containing the session secret for the Autobrr web interface.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/misc/autobrr.nix>

services.autobrr.settings

Autobrr configuration options.

Refer to **https://autobrr.com/configuration/autobrr** for a full list.

Type: open submodule of (TOML value)

Default:

```
{ }
```

Example:

```
{
  logLevel = "DEBUG";
  port = 7654;
}
```

Declared by:

<nixpkgs/nixos/modules/services/misc/autobrr.nix>

services.autobrr.settings.checkForUpdates

Whether autobrr needs to check for updates.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/autobrr.nix>

services.autobrr.settings.host

The host address autobrr listens on.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/autobrr.nix>

services.autobrr.settings.port

The port autobrr listens on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
7474
```

Declared by:

<nixpkgs/nixos/modules/services/misc/autobrr.nix>

services.autofs.enable

Mount filesystems on demand. Unmount them automatically. You may also be interested in afuse.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/autofs.nix>

services.autofs.autoMaster
Contents of '/etc/auto.master' file. See **auto.master**(5) and **autofs**(5).

Type: string

Example:

```
let
  mapConf = pkgs.writeText "auto" ''
   kernel    -ro,soft,intr       ftp.kernel.org:/pub/linux
   boot      -fstype=ext2        :/dev/hda1
   windoze   -fstype=smbfs       ://windoze/c
   removable -fstype=ext2        :/dev/hdd
   cd        -fstype=iso9660,ro  :/dev/hdc
   floppy    -fstype=auto        :/dev/fd0
   server    -rw,hard,intr       / -ro myserver.me.org:/ \
                                 /usr myserver.me.org:/usr \
                                 /home myserver.me.org:/home

  '';
in ''
  /auto file:${mapConf}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/autofs.nix>

services.autofs.debug
Pass −d and −7 to automount and write log to the system journal.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/autofs.nix>

services.autofs.timeout
Set the global minimum timeout, in seconds, until directories are unmounted

Type: signed integer

Default:

```
600
```

Declared by:
<nixpkgs/nixos/modules/services/misc/autofs.nix>

services.automatic−timezoned.enable
Enable 'automatic−timezoned', simple daemon for keeping the system timezone up−to−date based on the current location. It uses geoclue2 to determine the current location and systemd−timedated to actually set the timezone.

To avoid silent overriding by the service, if you have explicitly set a timezone, either remove it or ensure that it is set with a lower priority than the default value using 'lib.mkDefault' or 'lib.mkOverride'. This is to make the choice deliberate. An error will be presented otherwise.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/system/automatic−timezoned.nix>

services.automatic−timezoned.package
The automatic−timezoned package to use.

Type: package

Default:

```
pkgs.automatic−timezoned
```

Declared by:
<nixpkgs/nixos/modules/services/system/automatic−timezoned.nix>

services.automx2.enable
Whether to enable automx2.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/automx2.nix>

services.automx2.package
The automx2 package to use.

Type: package

Default:

```
pkgs.python3Packages.automx2
```

Declared by:
<nixpkgs/nixos/modules/services/mail/automx2.nix>

services.automx2.domain
E−Mail−Domain for which mail client autoconfig/autoconfigure should be set up. The ‘autoconfig’ and ‘autodiscover’ subdomains are automatically prepended and set up with ACME. The names of those domains are hardcoded in the mail clients and are not configurable.

Type: string

Example:

```
"example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/automx2.nix>

services.automx2.port
Port used by automx2.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
4243
```

Declared by:
<nixpkgs/nixos/modules/services/mail/automx2.nix>

services.automx2.settings
Bootstrap json to populate database. See **docs** for details.

Type: JSON value

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/mail/automx2.nix>

services.automysqlbackup.enable
Whether to enable AutoMySQLBackup.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/backup/automysqlbackup.nix>

services.automysqlbackup.calendar
Configured when to run the backup service systemd unit (DayOfWeek Year−Month−Day Hour:Minute:Second).

Type: string

Default:

```
"01:15:00"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/automysqlbackup.nix>

services.automysqlbackup.settings
automysqlbackup configuration. Refer to *${pkgs.automysqlbackup}/etc/automysqlbackup.conf* for details on supported values.

Type: attribute set of (string or signed integer or boolean or list of string)

Default:

```
{ }
```

Example:

```
{
  db_names = [ "nextcloud" "matomo" ];
  table_exclude = [ "nextcloud.oc_users" "nextcloud.oc_whats_new" ] \
;
  mailcontent = "log";
  mail_address = "admin@example.org";
}
```

Declared by:
<nixpkgs/nixos/modules/services/backup/automysqlbackup.nix>

services.autorandr.enable
Whether to enable handling of hotplug and sleep events by autorandr.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/autorandr.nix>

services.autorandr.defaultTarget
Fallback if no monitor layout can be detected. See the docs (https://github.com/phillipberndt/autorandr/blob/v1.0/README.md#how−to−use) for further reference.

Type: string

Default:

```
"default"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/autorandr.nix>

services.autorandr.hooks
Global hook scripts

Type: submodule

Default:

```
{ }
```

Example:

```
{
  postswitch = {
    "notify−i3" = "${pkgs.i3}/bin/i3−msg restart";
    "change−background" = readFile ./change−background.sh;
    "change−dpi" = ''
      case "$AUTORANDR_CURRENT_PROFILE" in
        default)
          DPI=120
          ;;
        home)
          DPI=192
          ;;
        work)
          DPI=144
          ;;
        *)
          echo "Unknown profle: $AUTORANDR_CURRENT_PROFILE"
          exit 1
      esac
      echo "Xft.dpi: $DPI" | ${pkgs.xrdb}/bin/xrdb −merge
    '';
```

```
    };
  }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/autorandr.nix>

services.autorandr.hooks.postswitch
Postswitch hook executed after mode switch.

Type: attribute set of strings concatenated with “\n”

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/autorandr.nix>

services.autorandr.hooks.predetect
Predetect hook executed before autorandr attempts to run xrandr.

Type: attribute set of strings concatenated with “\n”

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/autorandr.nix>

services.autorandr.hooks.preswitch
Preswitch hook executed before mode switch.

Type: attribute set of strings concatenated with “\n”

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/autorandr.nix>

services.autorandr.ignoreLid
Treat outputs as connected even if their lids are closed

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/autorandr.nix>

services.autorandr.matchEdid
Match displays based on edid instead of name

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/autorandr.nix>

services.autorandr.profiles

Autorandr profiles specification.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "work" = {
    fingerprint = {
      eDP1 = "<EDID>";
      DP1 = "<EDID>";
    };
    config = {
      eDP1.enable = false;
      DP1 = {
        enable = true;
        crtc = 0;
        primary = true;
        position = "0x0";
        mode = "3840x2160";
        gamma = "1.0:0.909:0.833";
        rate = "60.00";
        rotate = "left";
      };
    };
    hooks.postswitch = readFile ./work-postswitch.sh;
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/misc/autorandr.nix>

services.autorandr.profiles.<name>.config

Per output profile configuration.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/misc/autorandr.nix>

services.autorandr.profiles.<name>.config.<name>.enable

Whether to enable the output.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/autorandr.nix>

services.autorandr.profiles.<name>.config.<name>.crtc
Output video display controller.

Type: null or (unsigned integer, meaning >=0)

Default:

```
null
```

Example:

Declared by:
<nixpkgs/nixos/modules/services/misc/autorandr.nix>

services.autorandr.profiles.<name>.config.<name>.dpi
Output DPI configuration.

Type: null or (positive integer, meaning >0)

Default:

```
null
```

Example:

```
96
```

Declared by:
<nixpkgs/nixos/modules/services/misc/autorandr.nix>

services.autorandr.profiles.<name>.config.<name>.gamma
Output gamma configuration.

Type: string

Default:

```
""
```

Example:

```
"1.0:0.909:0.833"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/autorandr.nix>

services.autorandr.profiles.<name>.config.<name>.mode
Output resolution.

Type: string

Default:

```
""
```

Example:

```
"3840x2160"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/autorandr.nix>

services.autorandr.profiles.<name>.config.<name>.position
Output position

Type: string

Default:

```
""
```

Example:

```
"5760x0"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/autorandr.nix>

services.autorandr.profiles.<name>.config.<name>.primary
Whether output should be marked as primary

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/autorandr.nix>

services.autorandr.profiles.<name>.config.<name>.rate
Output framerate.

Type: string

Default:

```
""
```

Example:

```
"60.00"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/autorandr.nix>

services.autorandr.profiles.<name>.config.<name>.rotate
Output rotate configuration.

Type: null or one of “normal”, “left”, “right”, “inverted”

Default:

```
null
```

Example:

```
"left"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/autorandr.nix>

services.autorandr.profiles.<name>.config.<name>.scale
Output scale configuration.

Either configure by pixels or a scaling factor. When using pixel method the **xrandr**(1) option ‘−−scale−from’ will be used; when using factor method the option ‘−−scale’ will be used.

This option is a shortcut version of the transform option and they are mutually exclusive.

Type: null or (submodule)

Default:

```
null
```

Example:

```
{
  x = 1.25;
  y = 1.25;
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/autorandr.nix>

services.autorandr.profiles.<name>.config.<name>.scale.method
Output scaling method.

Type: one of “factor”, “pixel”

Default:

```
"factor"
```

Example:

```
"pixel"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/autorandr.nix>

services.autorandr.profiles.<name>.config.<name>.scale.x
Horizontal scaling factor/pixels.

Type: floating point number or (positive integer, meaning >0)

Declared by:
<nixpkgs/nixos/modules/services/misc/autorandr.nix>

services.autorandr.profiles.<name>.config.<name>.scale.y
Vertical scaling factor/pixels.

Type: floating point number or (positive integer, meaning >0)

Declared by:
<nixpkgs/nixos/modules/services/misc/autorandr.nix>

services.autorandr.profiles.<name>.config.<name>.transform
Refer to **xrandr**(1) for the documentation of the transform matrix.

Type: null or (3×3 matrix of floating point numbers)

Default:

```
null
```

Example:

```
[
  [ 0.6 0.0 0.0 ]
  [ 0.0 0.6 0.0 ]
  [ 0.0 0.0 1.0 ]
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/autorandr.nix>

services.autorandr.profiles.<name>.fingerprint
Output name to EDID mapping. Use ‘autorandr −−fingerprint’ to get current setup values.

Type: attribute set of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/autorandr.nix>

services.autorandr.profiles.<name>.hooks
Profile hook scripts.

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/autorandr.nix>

services.autorandr.profiles.<name>.hooks.postswitch
Postswitch hook executed after mode switch.

Type: attribute set of strings concatenated with “\n”

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/autorandr.nix>

services.autorandr.profiles.<name>.hooks.predetect
Predetect hook executed before autorandr attempts to run xrandr.

Type: attribute set of strings concatenated with “\n”

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/autorandr.nix>

services.autorandr.profiles.<name>.hooks.preswitch
Preswitch hook executed before mode switch.

Type: attribute set of strings concatenated with “\n”

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/autorandr.nix>

services.autossh.sessions
List of AutoSSH sessions to start as systemd services. Each service is named ‘autossh−{session.name}’.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    extraArguments = "−N −D4343 billremote@socks.host.net";
    monitoringPort = 20000;
    name = "socks−peer";
    user = "bill";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/autossh.nix>

services.autossh.sessions.*.extraArguments
Arguments to be passed to AutoSSH and retransmitted to SSH process. Some meaningful options include −N (don't run remote command), −D (open SOCKS proxy on local port), −R (forward remote port), −L (forward local port), −v (Enable debug). Check ssh manual for the complete list.

Type: strings concatenated with " "

Example:

```
"-N -D4343 bill@socks.example.net"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/autossh.nix>

services.autossh.sessions.*.monitoringPort
Port to be used by AutoSSH for peer monitoring. Note, that AutoSSH also uses mport+1. Value of 0 disables the keep−alive style monitoring

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

Example:

```
20000
```

Declared by:
<nixpkgs/nixos/modules/services/networking/autossh.nix>

services.autossh.sessions.*.name
Name of the local AutoSSH session

Type: string

Example:

```
"socks-peer"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/autossh.nix>

services.autossh.sessions.*.user
Name of the user the AutoSSH session should run as

Type: string

Example:

```
"bill"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/autossh.nix>

services.autossh-ng.sessions
Set of SSH sessions to start as systemd services. Each service is named 'autossh−ng−{session.name}'.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  socket-peer = {
```

```
        destination = "billremote@socks.host.net";
        extraArguments = "-L2222:localhost:22 -i \${config.age.secre \
    ts.privatekey.path}";
        user = "bill";
      };
    }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/autossh-ng.nix>

services.autossh-ng.sessions.<name>.destination
Destination to connect to

Type: string

Example:

```
"billremote@socks.host.net"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/autossh-ng.nix>

services.autossh-ng.sessions.<name>.extraArguments
Arguments to be passed to the ssh process process. Some meaningful options include -D (open SOCKS proxy on local port), -R (forward remote port), -L (forward local port), -v (Enable debug), -i (identity file to use). Check ssh manual for the complete list.

Type: strings concatenated with " "

Example:

```
"-L2222:localhost:22 -i \${config.age.secrets.privatekey.path}"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/autossh-ng.nix>

services.autossh-ng.sessions.<name>.hostKeyChecking
Whether to enable host key checking. The advantage of enabling host key checking is that it protects against AitM attacks, on the other hand disabling host key checking makes the autossh connection resilient against host key rotations of the destination machine.

Type: boolean

Declared by:
<nixpkgs/nixos/modules/services/networking/autossh-ng.nix>

services.autossh-ng.sessions.<name>.knownHostsFile
If you enabled host key checking, use this file to verify destination host keys against.

Type: absolute path

Example:

```
"/home/bill/.ssh/known_hosts"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/autossh-ng.nix>

services.autossh-ng.sessions.<name>.user
Name of the user the local session should run as

Type: string

Example:

```
"bill"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/autossh−ng.nix>

services.autosuspend.enable
Whether to enable the autosuspend daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/autosuspend.nix>

services.autosuspend.package
The autosuspend package to use.

Type: package

Default:

```
pkgs.autosuspend
```

Declared by:
<nixpkgs/nixos/modules/services/misc/autosuspend.nix>

services.autosuspend.checks
Checks for activity. For more information, see:

- **https://autosuspend.readthedocs.io/en/latest/configuration_file.html#activity−check−configuration**
- **https://autosuspend.readthedocs.io/en/latest/available_checks.html**

Type: attribute set of (open submodule of section of an INI file (attrs of INI atom (null, bool, int, float or string)))

Default:

```
{ }
```

Example:

```
{
  # Basic activity check configuration.
  # The check class name is derived from the section header (Ping i \
n this case).
  # Remember to enable desired checks. They are disabled by default \
.
  Ping = {
    hosts = "192.168.0.7";
  };
  # This check is disabled.
  Smb.enabled = false;
  # Example for a custom check name.
  # This will use the Users check with the custom name RemoteUsers.
  # Custom names are necessary in case a check class is used multip \
le times.
  # Custom names can also be used for clarification.
  RemoteUsers = {
```

```
      class = "Users";
      name = ".*";
      terminal = ".*";
      host = "[0-9].*";
    };
    # Here the Users activity check is used again with different sett \
  ings and a different name
    LocalUsers = {
      class = "Users";
      name = ".*";
      terminal = ".*";
      host = "localhost";
    };
  }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/autosuspend.nix>

services.autosuspend.checks.<name>.enabled
Whether to enable this activity check.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/autosuspend.nix>

services.autosuspend.checks.<name>.class
Name of the class implementing the check. If this option is not specified, the check's name must represent a valid internal check class.

Type: null or one of "ActiveCalendarEvent", "ActiveConnection", "ExternalCommand", "JsonPath", "Kodi", "KodiIdleTime", "LastLogActivity", "Load", "LogindSessionsIdle", "Mpd", "NetworkBandwidth", "Ping", "Processes", "Smb", "Users", "XIdleTime", "XPath"

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/autosuspend.nix>

services.autosuspend.settings
Configuration for autosuspend, see **https://autosuspend.readthedocs.io/en/latest/configuration_file.html#general-configuration** for supported values.

Type: open submodule of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Example:

```
{
  enable = true;
  interval = 30;
```

```
  idle_time = 120;
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/autosuspend.nix>

services.autosuspend.settings.suspend_cmd
The command to execute in case the host shall be suspended. This line can contain additional command line arguments to the command to execute.

Type: string

Default:

```
"systemctl suspend"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/autosuspend.nix>

services.autosuspend.settings.wakeup_cmd
The command to execute for scheduling a wake up of the system. The given string is processed using Python's 'str.format()' and a format argument called 'timestamp' encodes the UTC timestamp of the planned wake up time (float). Additionally 'iso' can be used to acquire the timestamp in ISO 8601 format.

Type: string

Default:

```
"sh -c 'echo 0 > /sys/class/rtc/rtc0/wakealarm && echo {timestamp: \
.0f} > /sys/class/rtc/rtc0/wakealarm' "
```

Declared by:
<nixpkgs/nixos/modules/services/misc/autosuspend.nix>

services.autosuspend.wakeups
Checks for wake up. For more information, see:

- **https://autosuspend.readthedocs.io/en/latest/configuration_file.html#wake-up-check-configuration**
- **https://autosuspend.readthedocs.io/en/latest/available_wakeups.html**

Type: attribute set of (open submodule of section of an INI file (attrs of INI atom (null, bool, int, float or string)))

Default:

```
{ }
```

Example:

```
{
  # Wake up checks reuse the same configuration mechanism as activi \
ty checks.
  Calendar = {
    url = "http://example.org/test.ics";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/autosuspend.nix>

services.autosuspend.wakeups.<name>.enabled

Whether to enable this wake−up check.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/autosuspend.nix>

services.autosuspend.wakeups.<name>.class

Name of the class implementing the check. If this option is not specified, the check's name must represent a valid internal check class.

Type: null or one of "Calendar", "Command", "File", "Periodic", "SystemdTimer", "XPath", "XPathDelta"

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/misc/autosuspend.nix>

services.autotierfs.enable

Whether to enable the autotier passthrough tiering filesystem.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/autotierfs.nix>

services.autotierfs.package

The autotier package to use.

Type: package

Default:

```
pkgs.autotier
```

Declared by:

<nixpkgs/nixos/modules/services/autotierfs.nix>

services.autotierfs.settings

The contents of the configuration file for autotier. See the **autotier repo** for supported values.

Type: open submodule of attribute set of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Example:

```
{
  "/mnt/autotier" = {
    Global = {
      "Log Level" = 1;
      "Tier Period" = 1000;
      "Copy Buffer Size" = "1 MiB";
    };
    "Tier 1" = {
      Path = "/mnt/tier1";
      Quota = "30GiB";
    };
    "Tier 2" = {
      Path = "/mnt/tier2";
      Quota = "200GiB";
    };
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/autotierfs.nix>

services.avahi.enable
Whether to run the Avahi daemon, which allows Avahi clients to use Avahi's service discovery facilities and also allows the local machine to advertise its presence and services (through the mDNS responder implemented by 'avahi−daemon').

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/avahi−daemon.nix>

services.avahi.package
The avahi package to use.

Type: package

Default:

```
pkgs.avahi
```

Declared by:
<nixpkgs/nixos/modules/services/networking/avahi−daemon.nix>

services.avahi.allowInterfaces
List of network interfaces that should be used by the **avahi−daemon**. Other interfaces will be ignored. If 'null', all local interfaces except loopback and point−to−point will be used.

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/avahi−daemon.nix>

services.avahi.allowPointToPoint

Whether to use POINTTOPOINT interfaces. Might make mDNS unreliable due to usually large latencies with such links and opens a potential security hole by allowing mDNS access from Internet connections.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/avahi−daemon.nix>

services.avahi.browseDomains

List of non−local DNS domains to be browsed.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "0pointer.de"
  "zeroconf.org"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/avahi−daemon.nix>

services.avahi.cacheEntriesMax

Number of resource records to be cached per interface. Use 0 to disable caching. Avahi daemon defaults to 4096 if not set.

Type: null or signed integer

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/avahi−daemon.nix>

services.avahi.debug

Whether to enable debug logging.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/avahi−daemon.nix>

services.avahi.denyInterfaces

List of network interfaces that should be ignored by the **avahi−daemon**. Other unspecified interfaces will be used, unless **allowInterfaces** is set. This option takes precedence over **allowInterfaces**.

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/avahi−daemon.nix>

services.avahi.domainName
Domain name for all advertisements.

Type: string

Default:

```
"local"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/avahi−daemon.nix>

services.avahi.extraConfig
Extra config to append to avahi−daemon.conf.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/avahi−daemon.nix>

services.avahi.extraServiceFiles
Specify custom service definitions which are placed in the avahi service directory. See the **avahi.service**(5) manpage for detailed information.

Type: attribute set of (string or absolute path)

Default:

```
{ }
```

Example:

```
{
  ssh = "${pkgs.avahi}/etc/avahi/services/ssh.service";
  smb = ''
    <?xml version="1.0" standalone='no'?><!--*-nxml-*-->
    <!DOCTYPE service-group SYSTEM "avahi-service.dtd">
    <service-group>
      <name replace-wildcards="yes">%h</name>
      <service>
        <type>_smb._tcp</type>
        <port>445</port>
      </service>
    </service-group>
  '';
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/avahi−daemon.nix>

services.avahi.hostName

Host name advertised on the LAN. If not set, avahi will use the value of **config.networking.hostName**.

Type: string

Default:

```
config.networking.hostName
```

Declared by:

<nixpkgs/nixos/modules/services/networking/avahi−daemon.nix>

services.avahi.ipv4

Whether to use IPv4.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/avahi−daemon.nix>

services.avahi.ipv6

Whether to use IPv6.

Type: boolean

Default:

```
config.networking.enableIPv6
```

Declared by:

<nixpkgs/nixos/modules/services/networking/avahi−daemon.nix>

services.avahi.nssmdns4

Whether to enable the mDNS NSS (Name Service Switch) plug−in for IPv4. Enabling it allows applications to resolve names in the ‘.local’ domain by transparently querying the Avahi daemon.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/avahi−daemon.nix>

services.avahi.nssmdns6

Whether to enable the mDNS NSS (Name Service Switch) plug−in for IPv6. Enabling it allows applications to resolve names in the ‘.local’ domain by transparently querying the Avahi daemon.

Note

Due to the fact that most mDNS responders only register local IPv4 addresses, most user want to leave this option disabled to avoid long timeouts when applications first resolve the none existing IPv6 address.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/avahi−daemon.nix>

services.avahi.openFirewall
Whether to open the firewall for UDP port 5353. Disabling this setting also disables discovering of network devices.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/avahi−daemon.nix>

services.avahi.publish.enable
Whether to allow publishing in general.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/avahi−daemon.nix>

services.avahi.publish.addresses
Whether to register mDNS address records for all local IP addresses.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/avahi−daemon.nix>

services.avahi.publish.domain
Whether to announce the locally used domain name for browsing by other hosts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/avahi−daemon.nix>

services.avahi.publish.hinfo
Whether to register a mDNS HINFO record which contains information about the local operating system and CPU.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/avahi−daemon.nix>

services.avahi.publish.userServices
Whether to publish user services. Will set ‘addresses=true’.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/avahi−daemon.nix>

services.avahi.publish.workstation
Whether to register a service of type "_workstation._tcp" on the local LAN.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/avahi−daemon.nix>

services.avahi.reflector
Reflect incoming mDNS requests to all allowed network interfaces.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/avahi−daemon.nix>

services.avahi.wideArea
Whether to enable wide−area service discovery.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/avahi−daemon.nix>

services.awstats.enable
Whether to enable awstats, a real−time logfile analyzer.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/logging/awstats.nix>

services.awstats.configs
Attribute set of domains to collect stats for.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "mysite" = {
    domain = "example.com";
    logFile = "/var/log/nginx/access.log";
```

```
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/logging/awstats.nix>

services.awstats.configs.<name>.domain
The domain name to collect stats for.

Type: string

Default:

```
"‹name›"
```

Example:

```
"example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/logging/awstats.nix>

services.awstats.configs.<name>.extraConfig
Extra configuration to be appended to awstats.${name}.conf.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  "ValidHTTPCodes" = "404";
}
```

Declared by:
<nixpkgs/nixos/modules/services/logging/awstats.nix>

services.awstats.configs.<name>.hostAliases
List of aliases the site has.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
]
```

Declared by:
<nixpkgs/nixos/modules/services/logging/awstats.nix>

services.awstats.configs.<name>.logFile
The log file to be scanned.

For mail, set this to

```
journalctl $OLD_CURSOR -u postfix.service | ${pkgs.perl}/bin/perl  \
${pkgs.awstats.out}/share/awstats/tools/maillogconvert.pl standard  \
|
```

Type: string

Example:

```
"/var/log/nginx/access.log"
```

Declared by:
<nixpkgs/nixos/modules/services/logging/awstats.nix>

services.awstats.configs.<name>.logFormat
The log format being used.

For mail, set this to

```
%time2 %email %email_r %host %host_r %method %url %code %bytesd
```

Type: string

Default:

```
"1"
```

Declared by:
<nixpkgs/nixos/modules/services/logging/awstats.nix>

services.awstats.configs.<name>.type
The type of log being collected.

Type: one of “mail”, “web”

Default:

```
"web"
```

Example:

```
"mail"
```

Declared by:
<nixpkgs/nixos/modules/services/logging/awstats.nix>

services.awstats.configs.<name>.webService.enable
Whether to enable awstats web service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/logging/awstats.nix>

services.awstats.configs.<name>.webService.hostname
The hostname the web service appears under.

Type: string

Default:

```
"‹name›"
```

Declared by:
<nixpkgs/nixos/modules/services/logging/awstats.nix>

services.awstats.configs.<name>.webService.urlPrefix
The URL prefix under which the awstats pages appear.

Type: string

Default:

```
"/awstats"
```

Declared by:
<nixpkgs/nixos/modules/services/logging/awstats.nix>

services.awstats.dataDir
The directory where awstats data will be stored.

Type: absolute path

Default:

```
"/var/lib/awstats"
```

Declared by:
<nixpkgs/nixos/modules/services/logging/awstats.nix>

services.awstats.updateAt
Specification of the time at which awstats will get updated. (in the format described by **systemd.time**(7))

Type: null or string

Default:

```
null
```

Example:

```
"hourly"
```

Declared by:
<nixpkgs/nixos/modules/services/logging/awstats.nix>

services.ax25.axlisten.enable
Whether to enable AX.25 axlisten daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ax25/axlisten.nix>

services.ax25.axlisten.package
The ax25−apps package to use.

Type: package

Default:

```
pkgs.ax25-apps
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ax25/axlisten.nix>

services.ax25.axlisten.config

Options that will be passed to the axlisten daemon.

Type: string

Default:

```
"-art"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ax25/axlisten.nix>

services.ax25.axports

Specification of one or more AX.25 ports.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ax25/axports.nix>

services.ax25.axports.<name>.enable

Whether to enable Enables the axport interface.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ax25/axports.nix>

services.ax25.axports.<name>.package

The ax25-tools package to use.

Type: package

Default:

```
pkgs.ax25-tools
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ax25/axports.nix>

services.ax25.axports.<name>.baud

The serial port speed of this interface.

Type: signed integer

Example:

```
57600
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ax25/axports.nix>

services.ax25.axports.<name>.callsign
The callsign of the physical interface to bind to.

Type: string

Example:

```
"WB6WLV-7"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ax25/axports.nix>

services.ax25.axports.<name>.description
Free format description of this interface.

Type: string

Default:

```
"NixOS managed tnc"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ax25/axports.nix>

services.ax25.axports.<name>.kissParams
Kissattach parameters for this interface.

Type: null or string

Default:

```
null
```

Example:

```
"-t 300 -l 10 -s 12 -r 80 -f n"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ax25/axports.nix>

services.ax25.axports.<name>.paclen
Default maximum packet size for this interface.

Type: signed integer

Default:

```
255
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ax25/axports.nix>

services.ax25.axports.<name>.tty
Location of hardware kiss tnc for this interface.

Type: string

Example:

```
"/dev/ttyACM0"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ax25/axports.nix>

services.ax25.axports.<name>.window

Default window size for this interface.

Type: signed integer

Default:

```
7
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ax25/axports.nix>

services.ayatana−indicators.enable

Whether to enable Ayatana Indicators, a continuation of Canonical's Application Indicators .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/desktops/ayatana−indicators.nix>

services.ayatana−indicators.packages

List of packages containing Ayatana Indicator services that should be brought up by a SystemD "ayatana−indicators" user target.

Packages specified here must have passthru.ayatana−indicators set correctly.

If, how, and where these indicators are displayed will depend on your DE. Which target they will be brought up by depends on the packages' passthru.ayatana−indicators.

Type: list of package

Default:

```
[ ]
```

Example:

```
with pkgs; [ ayatana−indicator−messages ]
```

Declared by:

<nixpkgs/nixos/modules/services/desktops/ayatana−indicators.nix>

services.babeld.enable

Whether to enable the babeld network routing daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/babeld.nix>

services.babeld.extraConfig

Options that will be copied to babeld.conf. See **babeld**(8) for details.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/networking/babeld.nix>

services.babeld.interfaceDefaults

A set describing default parameters for babeld interfaces. See **babeld**(8) for options.

Type: null or (attribute set of unspecified value)

Default:

```
null
```

Example:

```
{
  split-horizon = true;
  type = "tunnel";
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/babeld.nix>

services.babeld.interfaces

A set describing babeld interfaces. See **babeld**(8) for options.

Type: attribute set of attribute set of unspecified value

Default:

```
{ }
```

Example:

```
{
  enp0s2 = {
    hello-interval = 5;
    split-horizon = "auto";
    type = "wired";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/babeld.nix>

services.bacula-dir.enable

Whether to enable Bacula Director Daemon.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula-dir.extraConfig

Extra configuration for Bacula Director Daemon.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
TODO
```

Declared by:

<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula-dir.extraDirectorConfig

Extra configuration to be passed in Director directive.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
Maximum Concurrent Jobs = 20;
Heartbeat Interval = 30;
```

Declared by:

<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula-dir.extraMessagesConfig

Extra configuration to be passed in Messages directive.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
console = all
```

Declared by:

<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula-dir.name

The director name used by the system administrator. This directive is required.

Type: string

Default:

```
"${config.networking.hostName}-dir"
```

Declared by:

<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula-dir.password

Specifies the password that must be supplied for a Director.

Type: string

Declared by:

<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−dir.port

Specify the port (a positive integer) on which the Director daemon will listen for Bacula Console connections. This same port number must be specified in the Director resource of the Console configuration file. The default is 9101, so normally this directive need not be specified. This directive should not be used if you specify DirAddresses (N.B plural) directive.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9101
```

Declared by:

<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−dir.tls

TLS Options for the Director. Important notice: The backup won't be encrypted.

Type: submodule

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−dir.tls.enable

Specifies if TLS should be enabled. If this set to 'false' TLS will be completely disabled, even if **services.bacula−dir.tls.require** is true.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−dir.tls.allowedCN

Common name attribute of allowed peer certificates. This directive is valid for a server and in a client context. If this directive is specified, the peer certificate will be verified against this list. In the case this directive is configured on a server side, the allowed CN list will not be checked if **services.bacula−dir.tls.verifyPeer** is false.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−dir.tls.caCertificateFile

The path specifying a PEM encoded TLS CA certificate(s). Multiple certificates are permitted in the file. One of TLS CA Certificate File or TLS CA Certificate Dir are required in a server context, unless **services.bacula−dir.tls.verifyPeer** is false, and are always required in a client context.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−dir.tls.certificate
The full path to the PEM encoded TLS certificate. It will be used as either a client or server certificate, depending on the connection direction. This directive is required in a server context, but it may not be specified in a client context if **services.bacula−dir.tls.verifyPeer** is 'false' in the corresponding server context.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−dir.tls.key
The path of a PEM encoded TLS private key. It must correspond to the TLS certificate.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−dir.tls.require
Require TLS or TLS−PSK encryption. This directive is ignored unless one of **services.bacula−dir.tls.enable** is true or TLS PSK Enable is set to 'yes'. If TLS is not required while TLS or TLS−PSK are enabled, then the Bacula component will connect with other components either with or without TLS or TLS−PSK

If **services.bacula−dir.tls.enable** or TLS−PSK is enabled and TLS is required, then the Bacula component will refuse any connection request that does not use TLS.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−dir.tls.verifyPeer
Verify peer certificate. Instructs server to request and verify the client's X.509 certificate. Any client certificate signed by a known−CA will be accepted. Additionally, the client's X509 certificate Common Name must meet the value of the Address directive. If **services.bacula−dir.tls.allowedCN** is used, the client's x509 certificate Common Name must also correspond to one of the CN specified in the **services.bacula−dir.tls.allowedCN** directive. This directive is valid only for a server and not in client context.

Standard from Bacula is 'true'.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−fd.enable

Whether to enable the Bacula File Daemon.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−fd.director

This option defines director resources in Bacula File Daemon.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−fd.director.<name>.monitor

If Monitor is set to ‘no’, this director will have full access to this Storage daemon. If Monitor is set to ‘yes’, this director will only be able to fetch the current status of this Storage daemon.

Please note that if this director is being used by a Monitor, we highly recommend to set this directive to yes to avoid serious security problems.

Type: one of “no”, “yes”

Default:

```
"no"
```

Example:

```
"yes"
```

Declared by:

<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−fd.director.<name>.password

Specifies the password that must be supplied for the default Bacula Console to be authorized. The same password must appear in the Director resource of the Console configuration file. For added security, the password is never passed across the network but instead a challenge response hash code created with the password. This directive is required. If you have either /dev/random or bc on your machine, Bacula will generate a random password during the configuration process, otherwise it will be left blank and you must manually supply it.

The password is plain text. It is not generated through any special process but as noted above, it is better to use random text for security reasons.

Type: string

Declared by:

<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−fd.director.<name>.tls

TLS Options for the Director in this Configuration.

Type: submodule

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−fd.director.<name>.tls.enable
Specifies if TLS should be enabled. If this set to ‘false’ TLS will be completely disabled, even if **services.bacula−fd.director.<name>.tls.require** is true.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−fd.director.<name>.tls.allowedCN
Common name attribute of allowed peer certificates. This directive is valid for a server and in a client context. If this directive is specified, the peer certificate will be verified against this list. In the case this directive is configured on a server side, the allowed CN list will not be checked if **services.bacula−fd.director.<name>.tls.verifyPeer** is false.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−fd.director.<name>.tls.caCertificateFile
The path specifying a PEM encoded TLS CA certificate(s). Multiple certificates are permitted in the file. One of TLS CA Certificate File or TLS CA Certificate Dir are required in a server context, unless **services.bacula−fd.director.<name>.tls.verifyPeer** is false, and are always required in a client context.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−fd.director.<name>.tls.certificate
The full path to the PEM encoded TLS certificate. It will be used as either a client or server certificate, depending on the connection direction. This directive is required in a server context, but it may not be specified in a client context if **services.bacula−fd.director.<name>.tls.verifyPeer** is ‘false’ in the corresponding server context.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−fd.director.<name>.tls.key
The path of a PEM encoded TLS private key. It must correspond to the TLS certificate.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−fd.director.<name>.tls.require
Require TLS or TLS−PSK encryption. This directive is ignored unless one of **services.bacula−fd.director.<name>.tls.enable** is true or TLS PSK Enable is set to 'yes'. If TLS is not required while TLS or TLS−PSK are enabled, then the Bacula component will connect with other components either with or without TLS or TLS−PSK

If **services.bacula−fd.director.<name>.tls.enable** or TLS−PSK is enabled and TLS is required, then the Bacula component will refuse any connection request that does not use TLS.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−fd.director.<name>.tls.verifyPeer
Verify peer certificate. Instructs server to request and verify the client's X.509 certificate. Any client certificate signed by a known−CA will be accepted. Additionally, the client's X509 certificate Common Name must meet the value of the Address directive. If **services.bacula−fd.director.<name>.tls.allowedCN** is used, the client's x509 certificate Common Name must also correspond to one of the CN specified in the **services.bacula−fd.director.<name>.tls.allowedCN** directive. This directive is valid only for a server and not in client context.

Standard from Bacula is 'true'.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−fd.extraClientConfig
Extra configuration to be passed in Client directive.

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
Maximum Concurrent Jobs = 20;
Heartbeat Interval = 30;
```

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−fd.extraMessagesConfig
Extra configuration to be passed in Messages directive.

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
console = all
```

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−fd.name
The client name that must be used by the Director when connecting. Generally, it is a good idea to use a name related to the machine so that error messages can be easily identified if you have multiple Clients. This directive is required.

Type: string

Default:

```
"${config.networking.hostName}−fd"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−fd.port
This specifies the port number on which the Client listens for Director connections. It must agree with the FDPort specified in the Client resource of the Director's configuration file.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9102
```

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−fd.tls
TLS Options for the File Daemon. Important notice: The backup won't be encrypted.

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−fd.tls.enable
Specifies if TLS should be enabled. If this set to 'false' TLS will be completely disabled, even if **services.bacula−fd.tls.require** is true.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−fd.tls.allowedCN
Common name attribute of allowed peer certificates. This directive is valid for a server and in a client context. If this directive is specified, the peer certificate will be verified against this list. In the case this directive is configured on a server side, the allowed CN list will not be checked if **services.bacula−fd.tls.verifyPeer** is false.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−fd.tls.caCertificateFile
The path specifying a PEM encoded TLS CA certificate(s). Multiple certificates are permitted in the file. One of TLS CA Certificate File or TLS CA Certificate Dir are required in a server context, unless **services.bacula−fd.tls.verifyPeer** is false, and are always required in a client context.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−fd.tls.certificate
The full path to the PEM encoded TLS certificate. It will be used as either a client or server certificate, depending on the connection direction. This directive is required in a server context, but it may not be specified in a client context if **services.bacula−fd.tls.verifyPeer** is 'false' in the corresponding server context.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−fd.tls.key
The path of a PEM encoded TLS private key. It must correspond to the TLS certificate.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−fd.tls.require
Require TLS or TLS−PSK encryption. This directive is ignored unless one of **services.bacula−fd.tls.enable** is true or TLS PSK Enable is set to 'yes'. If TLS is not required while TLS or TLS−PSK are enabled, then the Bacula component will connect with other components either with or without TLS or TLS−PSK

If **services.bacula−fd.tls.enable** or TLS−PSK is enabled and TLS is required, then the Bacula component will refuse any connection request that does not use TLS.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−fd.tls.verifyPeer
Verify peer certificate. Instructs server to request and verify the client's X.509 certificate. Any client certificate signed by a known−CA will be accepted. Additionally, the client's X509 certificate Common Name must meet the value of the Address directive. If **services.bacula−fd.tls.allowedCN** is used, the client's x509 certificate Common Name must also correspond to one of the CN specified in the **services.bacula−fd.tls.allowedCN** directive. This directive is valid only for a server and not in client context.

Standard from Bacula is ‘true’.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−sd.enable
Whether to enable Bacula Storage Daemon.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−sd.autochanger
This option defines Autochanger resources in Bacula Storage Daemon.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−sd.autochanger.<name>.changerCommand
The name−string specifies an external program to be called that will automatically change volumes as required by Bacula. Normally, this directive will be specified only in the AutoChanger resource, which is then used for all devices. However, you may also specify the different Changer Command in each Device resource. Most frequently, you will specify the Bacula supplied mtx−changer script as follows:

‘"/path/mtx−changer %c %o %S %a %d"’

and you will install the mtx on your system (found in the depkgs release). An example of this command is in the default bacula−sd.conf file. For more details on the substitution characters that may be specified to configure your autochanger please see the AutochangersAutochangersChapter chapter of this manual. For FreeBSD users, you might want to see one of the several chio scripts in examples/autochangers.

Type: string

Default:

```
"/etc/bacula/mtx−changer %c %o %S %a %d"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−sd.autochanger.<name>.changerDevice
The specified name−string must be the generic SCSI device name of the autochanger that corresponds to the normal read/write Archive Device specified in the Device resource. This generic SCSI device name should be specified if you have an autochanger or if you have a standard tape drive and want to use the Alert Command (see below). For example, on Linux systems, for an Archive Device name of ‘/dev/nst0’, you would specify ‘/dev/sg0’ for the Changer Device name. Depending on your exact configuration, and the number of autochangers or the type of autochanger, what you specify here can vary. This directive is optional. See the Using AutochangersAutochangersChapter chapter of this manual for more details of using this and the following autochanger directives.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−sd.autochanger.<name>.devices
Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−sd.autochanger.<name>.extraAutochangerConfig
Extra configuration to be passed in Autochanger directive.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−sd.device
This option defines Device resources in Bacula Storage Daemon.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−sd.device.<name>.archiveDevice
The specified name−string gives the system file name of the storage device managed by this storage daemon. This will usually be the device file name of a removable storage device (tape drive), for example ‘/dev/nst0’ or ‘/dev/rmt/0mbn’. For a DVD−writer, it will be for example ‘/dev/hdc’. It may also be a directory name if you are archiving to disk storage. In this case, you must supply the full absolute path to the directory. When specifying a tape device, it is preferable that the “non−rewind” variant of the device file name be given.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−sd.device.<name>.extraDeviceConfig
Extra configuration to be passed in Device directive.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
LabelMedia = yes
Random Access = no
AutomaticMount = no
```

```
RemovableMedia = no
MaximumOpenWait = 60
AlwaysOpen = no
```

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−sd.device.<name>.mediaType

The specified name−string names the type of media supported by this device, for example, ‘DLT7000’. Media type names are arbitrary in that you set them to anything you want, but they must be known to the volume database to keep track of which storage daemons can read which volumes. In general, each different storage type should have a unique Media Type associated with it. The same name−string must appear in the appropriate Storage resource definition in the Director’s configuration file.

Even though the names you assign are arbitrary (i.e. you choose the name you want), you should take care in specifying them because the Media Type is used to determine which storage device Bacula will select during restore. Thus you should probably use the same Media Type specification for all drives where the Media can be freely interchanged. This is not generally an issue if you have a single Storage daemon, but it is with multiple Storage daemons, especially if they have incompatible media.

For example, if you specify a Media Type of ‘DDS−4’ then during the restore, Bacula will be able to choose any Storage Daemon that handles ‘DDS−4’. If you have an autochanger, you might want to name the Media Type in a way that is unique to the autochanger, unless you wish to possibly use the Volumes in other drives. You should also ensure to have unique Media Type names if the Media is not compatible between drives. This specification is required for all devices.

In addition, if you are using disk storage, each Device resource will generally have a different mount point or directory. In order for Bacula to select the correct Device resource, each one must have a unique Media Type.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−sd.director

This option defines Director resources in Bacula Storage Daemon.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−sd.director.<name>.monitor

If Monitor is set to ‘no’, this director will have full access to this Storage daemon. If Monitor is set to ‘yes’, this director will only be able to fetch the current status of this Storage daemon.

Please note that if this director is being used by a Monitor, we highly recommend to set this directive to yes to avoid serious security problems.

Type: one of “no”, “yes”

Default:

```
"no"
```

Example:

```
"yes"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−sd.director.<name>.password
Specifies the password that must be supplied for the default Bacula Console to be authorized. The same password must appear in the Director resource of the Console configuration file. For added security, the password is never passed across the network but instead a challenge response hash code created with the password. This directive is required. If you have either /dev/random or bc on your machine, Bacula will generate a random password during the configuration process, otherwise it will be left blank and you must manually supply it.

The password is plain text. It is not generated through any special process but as noted above, it is better to use random text for security reasons.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−sd.director.<name>.tls
TLS Options for the Director in this Configuration.

Type: submodule

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−sd.director.<name>.tls.enable
Specifies if TLS should be enabled. If this set to ‘false’ TLS will be completely disabled, even if **services.bacula−sd.director.<name>.tls.require** is true.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−sd.director.<name>.tls.allowedCN
Common name attribute of allowed peer certificates. This directive is valid for a server and in a client context. If this directive is specified, the peer certificate will be verified against this list. In the case this directive is configured on a server side, the allowed CN list will not be checked if **services.bacula−sd.director.<name>.tls.verifyPeer** is false.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−sd.director.<name>.tls.caCertificateFile
The path specifying a PEM encoded TLS CA certificate(s). Multiple certificates are permitted in the file. One of TLS CA Certificate File or TLS CA Certificate Dir are required in a server context, unless **services.bacula−sd.director.<name>.tls.verifyPeer** is false, and are always required in a client context.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−sd.director.<name>.tls.certificate
The full path to the PEM encoded TLS certificate. It will be used as either a client or server certificate, depending on the connection direction. This directive is required in a server context, but it may not be specified in a client context if **services.bacula−sd.director.<name>.tls.verifyPeer** is 'false' in the corresponding server context.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−sd.director.<name>.tls.key
The path of a PEM encoded TLS private key. It must correspond to the TLS certificate.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−sd.director.<name>.tls.require
Require TLS or TLS−PSK encryption. This directive is ignored unless one of **services.bacula−sd.director.<name>.tls.enable** is true or TLS PSK Enable is set to 'yes'. If TLS is not required while TLS or TLS−PSK are enabled, then the Bacula component will connect with other components either with or without TLS or TLS−PSK

If **services.bacula−sd.director.<name>.tls.enable** or TLS−PSK is enabled and TLS is required, then the Bacula component will refuse any connection request that does not use TLS.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−sd.director.<name>.tls.verifyPeer
Verify peer certificate. Instructs server to request and verify the client's X.509 certificate. Any client certificate signed by a known−CA will be accepted. Additionally, the client's X509 certificate Common Name must meet the value of the Address directive. If **services.bacula−sd.director.<name>.tls.allowedCN** is used, the client's x509 certificate Common Name must also correspond to one of the CN specified in the **services.bacula−sd.director.<name>.tls.allowedCN** directive. This directive is valid only for a server and not in client context.

Standard from Bacula is 'true'.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula-sd.extraMessagesConfig

Extra configuration to be passed in Messages directive.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
console = all
```

Declared by:

<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula-sd.extraStorageConfig

Extra configuration to be passed in Storage directive.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
Maximum Concurrent Jobs = 20;
Heartbeat Interval = 30;
```

Declared by:

<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula-sd.name

Specifies the Name of the Storage daemon.

Type: string

Default:

```
"${config.networking.hostName}-sd"
```

Declared by:

<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula-sd.port

Specifies port number on which the Storage daemon listens for Director connections.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9103
```

Declared by:

<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula-sd.tls

TLS Options for the Storage Daemon. Important notice: The backup won’t be encrypted.

Type: submodule

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−sd.tls.enable

Specifies if TLS should be enabled. If this set to ‘false’ TLS will be completely disabled, even if **services.bacula−sd.tls.require** is true.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−sd.tls.allowedCN

Common name attribute of allowed peer certificates. This directive is valid for a server and in a client context. If this directive is specified, the peer certificate will be verified against this list. In the case this directive is configured on a server side, the allowed CN list will not be checked if **services.bacula−sd.tls.verifyPeer** is false.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−sd.tls.caCertificateFile

The path specifying a PEM encoded TLS CA certificate(s). Multiple certificates are permitted in the file. One of TLS CA Certificate File or TLS CA Certificate Dir are required in a server context, unless **services.bacula−sd.tls.verifyPeer** is false, and are always required in a client context.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−sd.tls.certificate

The full path to the PEM encoded TLS certificate. It will be used as either a client or server certificate, depending on the connection direction. This directive is required in a server context, but it may not be specified in a client context if **services.bacula−sd.tls.verifyPeer** is ‘false’ in the corresponding server context.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−sd.tls.key

The path of a PEM encoded TLS private key. It must correspond to the TLS certificate.

Type: absolute path

Declared by:

<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−sd.tls.require

Require TLS or TLS−PSK encryption. This directive is ignored unless one of **services.bacula−sd.tls.enable** is true or TLS PSK Enable is set to ‘yes’. If TLS is not required while TLS or TLS−PSK are enabled, then the Bacula component will connect with other components either with or without TLS or TLS−PSK

If **services.bacula−sd.tls.enable** or TLS−PSK is enabled and TLS is required, then the Bacula component will refuse any connection request that does not use TLS.

Type: null or boolean

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.bacula−sd.tls.verifyPeer

Verify peer certificate. Instructs server to request and verify the client’s X.509 certificate. Any client certificate signed by a known−CA will be accepted. Additionally, the client’s X509 certificate Common Name must meet the value of the Address directive. If **services.bacula−sd.tls.allowedCN** is used, the client’s x509 certificate Common Name must also correspond to one of the CN specified in the **services.bacula−sd.tls.allowedCN** directive. This directive is valid only for a server and not in client context.

Standard from Bacula is ‘true’.

Type: null or boolean

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/backup/bacula.nix>

services.baikal.enable

Whether to enable baikal.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/baikal.nix>

services.baikal.package

The baikal package to use.

Type: package

Default:

```
pkgs.baikal
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/baikal.nix>

services.baikal.group
Group account under which the web−application run.

Type: string

Default:

```
"baikal"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/baikal.nix>

services.baikal.phpPackage
The php package to use.

Type: package

Default:

```
pkgs.php
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/baikal.nix>

services.baikal.pool
Name of existing phpfpm pool that is used to run web−application. If not specified a pool will be created automatically with default values.

Type: string

Default:

```
"baikal"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/baikal.nix>

services.baikal.user
User account under which the web−application run.

Type: string

Default:

```
"baikal"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/baikal.nix>

services.baikal.virtualHost
Name of the nginx virtualhost to use and setup. If null, do not setup any virtualhost.

Type: null or string

Default:

```
"baikal"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/baikal.nix>

services.bamf.enable
Whether to enable bamf.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/bamf.nix>

services.bazarr.enable
Whether to enable bazarr, a subtitle manager for Sonarr and Radarr.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/bazarr.nix>

services.bazarr.package
The bazarr package to use.

Type: package

Default:

```
pkgs.bazarr
```

Declared by:
<nixpkgs/nixos/modules/services/misc/bazarr.nix>

services.bazarr.dataDir
The directory where Bazarr stores its data files.

Type: string

Default:

```
"/var/lib/bazarr"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/bazarr.nix>

services.bazarr.group
Group under which bazarr runs.

Type: string

Default:

```
"bazarr"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/bazarr.nix>

services.bazarr.listenPort
Port on which the bazarr web interface should listen

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
6767
```

Declared by:
<nixpkgs/nixos/modules/services/misc/bazarr.nix>

services.bazarr.openFirewall
Open ports in the firewall for the bazarr web interface.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/bazarr.nix>

services.bazarr.user
User account under which bazarr runs.

Type: string

Default:

```
"bazarr"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/bazarr.nix>

services.bcachefs.autoScrub.enable
Whether to enable regular bcachefs scrub.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/bcachefs.nix>

services.bcachefs.autoScrub.fileSystems
List of paths to bcachefs filesystems to regularly call **bcachefs scrub** on. Defaults to all mount points with bcachefs filesystems.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[
  "/"
]
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/bcachefs.nix>

services.bcachefs.autoScrub.interval
Systemd calendar expression for when to scrub bcachefs filesystems. The recommended period is a month but could be less. See **systemd.time**(7) for more information on the syntax.

Type: string

Default:

```
"monthly"
```

Example:

```
"weekly"
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/bcachefs.nix>

services.bcg.enable
Whether to enable BigClown gateway.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/bcg.nix>

services.bcg.package
The bcg package to use.

Type: package

Default:

```
pkgs.python3Packages.bcg
```

Declared by:
<nixpkgs/nixos/modules/services/misc/bcg.nix>

services.bcg.automaticRemoveKitFromNames
Automatically remove kits.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/bcg.nix>

services.bcg.automaticRenameGenericNodes
Automatically rename generic nodes.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/bcg.nix>

services.bcg.automaticRenameKitNodes
Automatically rename kit’s nodes.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/bcg.nix>

services.bcg.automaticRenameNodes
Automatically rename all nodes.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/bcg.nix>

services.bcg.baseTopicPrefix
Topic prefix added to all MQTT messages.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/misc/bcg.nix>

services.bcg.device
Device name to configure gateway to use.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/misc/bcg.nix>

services.bcg.environmentFiles
File to load as environment file. Environment variables from this file will be interpolated into the config file using envsubst with this syntax: '$ENVIRONMENT' or '${VARIABLE}'. This is useful to avoid putting secrets into the nix store.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[
  "/run/keys/bcg.env"
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/bcg.nix>

services.bcg.mqtt.cafile
Certificate Authority file for MQTT server access.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/bcg.nix>

services.bcg.mqtt.certfile
Certificate file for MQTT server access.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/bcg.nix>

services.bcg.mqtt.host
Host where MQTT server is running.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/bcg.nix>

services.bcg.mqtt.keyfile
Key file for MQTT server access.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/bcg.nix>

services.bcg.mqtt.password
MQTT server access password.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/bcg.nix>

services.bcg.mqtt.port
Port of MQTT server.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
1883
```

Declared by:
<nixpkgs/nixos/modules/services/misc/bcg.nix>

services.bcg.mqtt.username
MQTT server access username.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/bcg.nix>

services.bcg.name
Name for the device.

Supported variables:

- ‘{ip}’ IP address
- ‘{id}’ The ID of the connected usb−dongle or core−module

‘null’ can be used for automatic detection from gateway firmware.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/bcg.nix>

services.bcg.qosNodeMessages
Set the guarantee of MQTT message delivery.

Type: signed integer

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/misc/bcg.nix>

services.bcg.rename
Rename nodes to different name.

Type: attribute set of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/bcg.nix>

services.bcg.retainNodeMessages
Specify that node messages should be retaied in MQTT broker.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/bcg.nix>

services.bcg.verbose
Verbosity level.

Type: one of “CRITICAL”, “ERROR”, “WARNING”, “INFO”, “DEBUG”

Default:

```
"WARNING"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/bcg.nix>

services.beanstalkd.enable
Whether to enable the Beanstalk work queue.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/beanstalkd.nix>

services.beanstalkd.listen.address
IP address to listen on.

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/beanstalkd.nix>

services.beanstalkd.listen.port
TCP port that will be used to accept client connections.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
11300
```

Declared by:
<nixpkgs/nixos/modules/services/misc/beanstalkd.nix>

services.beanstalkd.openFirewall
Whether to open ports in the firewall for the server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/beanstalkd.nix>

services.bee.enable
Whether to enable Ethereum Swarm Bee.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bee.nix>

services.bee.package
The bee package to use.

Type: package

Default:

```
pkgs.bee
```

Example:

```
bee-unstable
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bee.nix>

services.bee.daemonNiceLevel
Daemon process priority for bee. 0 is the default Unix process priority, 19 is the lowest.

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/services/networking/bee.nix>

services.bee.group
Group the bee binary should execute under.

Type: string

Default:

```
"bee"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bee.nix>

services.bee.settings
Ethereum Swarm Bee configuration. Refer to **https://gateway.ethswarm.org/bzz/docs.swarm.eth/docs/installation/configuration/** for details on supported values.

Type: YAML 1.1 value

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bee.nix>

services.bee.user
User the bee binary should execute under.

Type: string

Default:

```
"bee"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bee.nix>

services.beesd.filesystems

BTRFS filesystems to run block−level deduplication on.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "−" = {
    spec = "LABEL=root";
    hashTableSizeMB = 2048;
    verbosity = "crit";
    extraOptions = [ "−−loadavg−target" "5.0" ];
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/misc/bees.nix>

services.beesd.filesystems.<name>.extraOptions

Extra command−line options passed to the daemon. See upstream bees documentation.

Type: list of string

Default:

```
[ ]
```

Example:

```
[ "−−thread−count" "4" ]
```

Declared by:

<nixpkgs/nixos/modules/services/misc/bees.nix>

services.beesd.filesystems.<name>.hashTableSizeMB

Hash table size in MB; must be a multiple of 16.

A larger ratio of index size to storage size means smaller blocks of duplicate content are recognized.

If you have 1TB of data, a 4GB hash table (which is to say, a value of 4096) will permit 4KB extents (the smallest possible size) to be recognized, whereas a value of 1024 – creating a 1GB hash table – will recognize only aligned duplicate blocks of 16KB.

Type: signed integer

Default:

```
1024
```

Declared by:

<nixpkgs/nixos/modules/services/misc/bees.nix>

services.beesd.filesystems.<name>.spec

Description of how to identify the filesystem to be duplicated by this instance of bees. Note that deduplication crosses subvolumes; one must not configure multiple instances for subvolumes of the same filesystem (or block devices which are part of the same filesystem), but only for completely independent btrfs filesystems.

This must be in a format usable by findmnt; that could be a key=value pair, or a bare path to a mount point. Using bare paths will allow systemd to start the beesd service only after mounting the associated path.

Type: string

Example:

```
"LABEL=MyBulkDataDrive"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/bees.nix>

services.beesd.filesystems.<name>.verbosity
Log verbosity (syslog keyword/level).

Type: one of “alert”, “crit”, “debug”, “emerg”, “err”, “info”, “notice”, “warning”, 1, 2, 7, 0, 3, 6, 5, 4

Default:

```
"info"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/bees.nix>

services.beesd.filesystems.<name>.workDir
Name (relative to the root of the filesystem) of the subvolume where the hash table will be stored.

Type: string

Default:

```
".beeshome"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/bees.nix>

services.below.enable
Whether to enable ‘below’ resource monitor.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/below.nix>

services.below.cgroupFilterOut
A regexp matching the full paths of cgroups whose data shouldn’t be collected

Type: null or string

Default:

```
null
```

Example:

```
"user.slice.*"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/below.nix>

services.below.collect.diskStats
Whether to enable dist_stat collection.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/below.nix>

services.below.collect.exitStats
Whether to enable eBPF−based exitstats.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/below.nix>

services.below.collect.ioStats
Whether to enable io.stat collection for cgroups.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/below.nix>

services.below.compression.enable
Whether to enable data compression.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/below.nix>

services.below.dirs.log
Where to store below's logs

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/below.nix>

services.below.dirs.store

Where to store below's data

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/lib/below"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/below.nix>

services.below.retention.size

Size limit for below's data, in bytes. Data is deleted oldest−first, in 24h 'shards'.

Note

The size limit may be exceeded by at most the size of the active shard, as:

- the active shard cannot be deleted;
- the size limit is only enforced when a new shard is created.

Type: null or signed integer

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/below.nix>

services.below.retention.time

Retention time, in seconds.

Note

As data is stored in 24 hour shards which are discarded as a whole, only data expired by 24h (or more) is guaranteed to be discarded.

Note

If 'retention.size' is set, data may be discarded earlier than the specified time.

Type: null or signed integer

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/below.nix>

services.bentopdf.enable

Whether to enable bentopdf Privacy First PDF Toolkit.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.package
The bentopdf package to use. To use the “normal mode” variant of bentopdf, which includes all socials, marketing and explanatory texts, set this option to ‘pkgs.bentopdf.override { simpleMode = false; }’.

Type: package

Default:

```
pkgs.bentopdf
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.caddy.enable
Whether to enable a virtualhost to serve bentopdf through caddy.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.caddy.virtualHost
Extra configuration for the caddy virtual host of bentopdf.

Type: submodule

Default:

```
{ }
```

Example:

```
{
  serverAliases = [ "bentopdf.${config.networking.domain}" ];
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.caddy.virtualHost.extraConfig
Additional lines of configuration appended to this virtual host in the automatically generated ‘Caddyfile’.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.caddy.virtualHost.hostName
Canonical hostname for the server.

Type: string

Default:

```
"‹name›"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.caddy.virtualHost.listenAddresses
A list of host interfaces to bind to for this virtual host.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "127.0.0.1"
  "::1"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.caddy.virtualHost.logFormat
Configuration for HTTP request logging (also known as access logs). See **https://caddyserver.com/docs/caddyfile/directives/log#log** for details.

Type: null or strings concatenated with "\n"

Default:

```
  output file ''${config.services.caddy.logDir}/access−''${hostNam \
e}.log
```

Example:

```
mkForce ''
  output discard
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.caddy.virtualHost.serverAliases
Additional names of virtual hosts served by this virtual host configuration.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
  "example.org"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.caddy.virtualHost.useACMEHost
A host of an existing Let's Encrypt certificate to use. This is mostly useful if you use DNS challenges but Caddy does not currently support your provider.

Note that this option does not create any certificates, nor does it add subdomains to existing ones – you will need to create them manually using **security.acme.certs**[1].

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

1. see the **security.acme.certs** option

services.bentopdf.domain
Domain to use for the virtual host.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.enable
Whether to enable a virtualhost to serve bentopdf through nginx.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost
Extra configuration for the nginx virtual host of bentopdf.

Type: submodule

Default:

```
{ }
```

Example:

```
{
  serverAliases = [ "bentopdf.${config.networking.domain}" ];
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.enableACME
Whether to ask Let’s Encrypt to sign a certificate for this vhost. Alternately, you can use an existing certificate through **useACMEHost**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.acmeFallbackHost

Host which to proxy requests to if ACME challenge is not found. Useful if you want multiple hosts to be able to verify the same domain name.

With this option, you could request certificates for the present domain with an ACME client that is running on another host, which you would specify here.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.acmeRoot

Directory for the ACME challenge, which is **public**. Don’t put certs or keys in here. Set to null to inherit from config.security.acme.

Type: null or string

Default:

```
"/var/lib/acme/acme−challenge"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.addSSL

Whether to enable HTTPS in addition to plain HTTP. This will set defaults for ‘listen’ to listen on all interfaces on the respective default ports (80, 443).

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.basicAuth

Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.basicAuthFile

Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.default

Makes this vhost the default.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.extraConfig

These lines go to the end of the vhost verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.forceSSL

Whether to add a separate nginx server block that redirects (defaults to 301, configurable with ‘redirectCode’) all plain HTTP traffic to HTTPS. This will set defaults for ‘listen’ to listen on all interfaces on the respective default ports (80, 443), where the non−SSL listens are used for the redirect vhosts.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.globalRedirect

If set, all requests for this host are redirected (defaults to 301, configurable with ‘redirectCode’) to the given hostname.

Type: null or string

Default:

```
null
```

Example:

```
"newserver.example.org"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.http2

Whether to enable the HTTP/2 protocol. Note that (as of writing) due to nginx's implementation, to disable HTTP/2 you have to disable it on all vhosts that use a given IP address / port. If there is one server block configured to enable http2, then it is enabled for all server blocks on this IP. See **https://stackoverflow.com/a/39466948/263061**.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.http3

Whether to enable the HTTP/3 protocol. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that HTTP/3 support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/** HTTP/3 availability must be manually advertised, preferably in each location block.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.http3_hq

Whether to enable the HTTP/0.9 protocol negotiation used in QUIC interoperability tests. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that special application protocol support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.kTLS

Whether to enable kTLS support. Implementing TLS in the kernel (kTLS) improves performance by significantly reducing the need for copying operations between user space and the kernel. Required Nginx version 1.21.4 or later.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.listen

Listen addresses and ports for this virtual host. IPv6 addresses must be enclosed in square brackets. Note: this option overrides 'addSSL' and 'onlySSL'.

If you only want to set the addresses manually and not the ports, take a look at 'listenAddresses'.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    addr = "195.154.1.1";
    port = 443;
    ssl = true;
  }
  {
    addr = "192.154.1.1";
    port = 80;
  }
  {
    addr = "unix:/var/run/nginx.sock";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.listen.*.addr
Listen address.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.listen.*.extraParameters
Extra parameters of this listen directive.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "backlog=1024"
  "deferred"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.listen.*.port
Port number to listen on. If unset and the listen address is not a socket then nginx defaults to 80.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.listen.*.proxyProtocol

Enable PROXY protocol.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.listen.*.ssl

Enable SSL.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.listenAddresses

Listen addresses for this virtual host. Compared to ‘listen’ this only sets the addresses and the ports are chosen automatically.

Note: This option overrides ‘networking.enableIPv6’

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "127.0.0.1"
  "[::1]"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.locations

Declarative location config

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "/" = {
    proxyPass = "http://localhost:3000";
  };
};
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.locations.<name>.alias
Alias directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/alias/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.locations.<name>.basicAuth
Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.locations.<name>.basicAuthFile
Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.locations.<name>.extraConfig
These lines go to the end of the location verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.locations.<name>.fastcgiParams
FastCGI parameters to override. Unlike in the Nginx configuration file, overriding only some default parameters won’t unset the default values for other parameters.

Type: attribute set of (string or absolute path)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.locations.<name>.index
Adds index directive.

Type: null or string

Default:

```
null
```

Example:

```
"index.php index.html"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.locations.<name>.priority
Order of this location block in relation to the others in the vhost. The semantics are the same as with 'lib.mkOrder'. Smaller values have a greater priority.

Type: signed integer

Default:

```
1000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.locations.<name>.proxyPass
Adds proxy_pass directive and sets recommended proxy headers if recommendedProxySettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"http://www.example.org/"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.locations.<name>.proxyWebsockets
Whether to support proxying websocket connections with HTTP/1.1.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.locations.<name>.recommendedProxySettings
Enable recommended proxy settings.

Type: boolean

Default:

```
config.services.nginx.recommendedProxySettings
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.locations.<name>.recommendedUwsgiSettings
Enable recommended uwsgi settings.

Type: boolean

Default:

```
config.services.nginx.recommendedUwsgiSettings
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.locations.<name>.return
Adds a return directive, for e.g. redirections.

Type: null or string or signed integer

Default:

```
null
```

Example:

```
"301 http://example.com$request_uri"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.locations.<name>.root
Root directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/root/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.locations.<name>.tryFiles
Adds try_files directive.

Type: null or string

Default:

```
null
```

Example:

```
"$uri =404"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.locations.<name>.uwsgiPass
Adds uwsgi_pass directive and sets recommended proxy headers if recommendedUwsgiSettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"unix:/run/example/example.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.onlySSL
Whether to enable HTTPS and reject plain HTTP connections. This will set defaults for 'listen' to listen on all interfaces on port 443.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.quic
Whether to enable the QUIC transport protocol. Note that QUIC support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.redirectCode
HTTP status used by 'globalRedirect' and 'forceSSL'. Possible usecases include temporary (302, 307) redirects, keeping the request method and body (307, 308), or explicitly resetting the method to GET (303). See **https://developer.mozilla.org/en−US/docs/Web/HTTP/Redirections**.

Type: integer between 300 and 399 (both inclusive)

Default:

```
301
```

Example:

```
308
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.rejectSSL

Whether to listen for and reject all HTTPS connections to this vhost. Useful in **default** server blocks to avoid serving the certificate for another vhost. Uses the 'ssl_reject_handshake' directive available in nginx versions 1.19.4 and above.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.reuseport

Create an individual listening socket . It is required to specify only once on one of the hosts.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.root

The path of the web root directory.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/data/webserver/docs"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.serverAliases

Additional names of virtual hosts served by this virtual host configuration.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
  "example.org"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.serverName

Name of this virtual host. Defaults to attribute name in virtualHosts.

Type: null or string

Default:

```
null
```

Example:

```
"example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.sslCertificate
Path to server SSL certificate.

Type: absolute path

Example:

```
"/var/host.cert"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.sslCertificateKey
Path to server SSL certificate key.

Type: absolute path

Example:

```
"/var/host.key"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.sslTrustedCertificate
Path to root SSL certificate for stapling and client certificates.

Type: null or absolute path

Default:

```
null
```

Example:

```
"${pkgs.cacert}/etc/ssl/certs/ca-bundle.crt"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/bentopdf.nix>

services.bentopdf.nginx.virtualHost.useACMEHost
A host of an existing Let's Encrypt certificate to use. This is useful if you have many subdomains and want to avoid hitting the **rate limit**. Alternately, you can generate a certificate through **enableACME**. *Note that this option does not create any certificates, nor it does add subdomains to existing ones – you will need to create them manually using* **security.acme.certs**[2].

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/bentopdf.nix>

2. see the **security.acme.certs** option

services.bepasty.enable

Whether to enable bepasty, a binary pastebin server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/bepasty.nix>

services.bepasty.servers

configure a number of bepasty servers which will be started with gunicorn.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/misc/bepasty.nix>

services.bepasty.servers.<name>.bind

Bind address to be used for this server.

Type: string

Default:

```
"127.0.0.1:8000"
```

Example:

```
"0.0.0.0:8000"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/bepasty.nix>

services.bepasty.servers.<name>.dataDir

Path to the directory where the pastes will be saved to

Type: string

Default:

```
"/var/lib/bepasty/data"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/bepasty.nix>

services.bepasty.servers.<name>.defaultPermissions

default permissions for all unauthenticated accesses.

Type: string

Default:

```
"read"
```

Example:

```
"read,create,delete"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/bepasty.nix>

services.bepasty.servers.<name>.extraConfig
Extra configuration for bepasty server to be appended on the configuration. see **https://bepasty-server.readthedocs.org/en/latest/quickstart.html#configuring-bepasty** for all options.

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
PERMISSIONS = {
  'myadminsecret': 'admin,list,create,read,delete',
}
MAX_ALLOWED_FILE_SIZE = 5 * 1000 * 1000
```

Declared by:
<nixpkgs/nixos/modules/services/misc/bepasty.nix>

services.bepasty.servers.<name>.secretKey
server secret for safe session cookies, must be set.

Warning: this secret is stored in the WORLD-READABLE Nix store!

It's recommended to use **secretKeyFile** which takes precedence over **secretKey**.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/misc/bepasty.nix>

services.bepasty.servers.<name>.secretKeyFile
A file that contains the server secret for safe session cookies, must be set.

secretKeyFile takes precedence over **secretKey**.

Warning: when **secretKey** is non-empty **secretKeyFile** defaults to a file in the WORLD-READABLE Nix store containing that secret.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/bepasty.nix>

services.bepasty.servers.<name>.workDir
Path to the working directory (used for config and pidfile). Defaults to the users home directory.

Type: string

Default:

```
"/var/lib/bepasty"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/bepasty.nix>

services.beszel.agent.enable
Whether to enable beszel agent.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/beszel−agent.nix>

services.beszel.agent.package
The beszel package to use.

Type: package

Default:

```
pkgs.beszel
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/beszel−agent.nix>

services.beszel.agent.environment
Environment variables for configuring the beszel−agent service. This field will end up public in /nix/store, for secret values (such as 'KEY') use 'environmentFile'.

See **https://www.beszel.dev/guide/environment−variables#agent** for available options.

Type: open submodule of attribute set of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/beszel−agent.nix>

services.beszel.agent.environment.SKIP_SYSTEMD
Whether to disable systemd service monitoring. Enabling this option will skip systemd tracking and its setup in NixOS.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/beszel−agent.nix>

services.beszel.agent.environmentFile
File path containing environment variables for configuring the beszel−agent service in the format of an EnvironmentFile. See **systemd.exec**(5).

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/beszel−agent.nix>

services.beszel.agent.extraPath
Extra packages to add to beszel path (such as nvidia−smi or rocm−smi).

Type: list of package

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/beszel−agent.nix>

services.beszel.agent.openFirewall
Whether to open the firewall port (default 45876).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/beszel−agent.nix>

services.beszel.agent.smartmon.enable
Include services.beszel.agent.smartmon.package in the Beszel agent path for disk monitoring and add the agent to the disk group.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/beszel−agent.nix>

services.beszel.agent.smartmon.package
The smartmontools package to use.

Type: package

Default:

```
pkgs.smartmontools
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/beszel−agent.nix>

services.beszel.agent.smartmon.deviceAllow
List of device paths to allow access to for SMART monitoring. This is only needed if the ambient capabilities are not sufficient. Devices will be granted read−only access.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "/dev/sda"
  "/dev/sdb"
  "/dev/nvme0"
]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/beszel−agent.nix>

services.beszel.hub.enable
Whether to enable beszel hub.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/beszel−hub.nix>

services.beszel.hub.package
The beszel package to use.

Type: package

Default:

```
pkgs.beszel
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/beszel−hub.nix>

services.beszel.hub.dataDir
Data directory of beszel−hub.

Type: absolute path

Default:

```
"/var/lib/beszel−hub"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/beszel−hub.nix>

services.beszel.hub.environment
Environment variables passed to the systemd service. See **https://www.beszel.dev/guide/environment−variables#hub** for available options.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  DISABLE_PASSWORD_AUTH = "true";
}
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/beszel−hub.nix>

services.beszel.hub.environmentFile
Environment file to be passed to the systemd service. Useful for passing secrets to the service to prevent them from being world−readable in the Nix store. See **systemd.exec**(5).

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/beszel−hub.nix>

services.beszel.hub.host
Host or address this beszel hub listens on.

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/beszel−hub.nix>

services.beszel.hub.port
Port for this beszel hub to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8090
```

Example:

```
3002
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/beszel−hub.nix>

services.biboumi.enable
Whether to enable the Biboumi XMPP gateway to IRC.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/biboumi.nix>

services.biboumi.package
The biboumi package to use.

Type: package

Default:

```
pkgs.biboumi
```

Declared by:
<nixpkgs/nixos/modules/services/networking/biboumi.nix>

services.biboumi.credentialsFile
Path to a configuration file to be merged with the settings. Beware not to surround "=" with spaces when setting biboumi's options in this file. Useful to merge a file which is better kept out of the Nix store because it contains sensible data like **password**.

Type: absolute path

Default:

```
"/dev/null"
```

Example:

```
"/run/keys/biboumi.cfg"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/biboumi.nix>

services.biboumi.openFirewall
Whether to enable opening of the identd port in the firewall.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/biboumi.nix>

services.biboumi.settings
See **biboumi 9.0**

for documentation.

Type: open submodule of settings option

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/biboumi.nix>

services.biboumi.settings.admin
The bare JID of the gateway administrator. This JID will have more privileges than other standard users, for example some administration ad−hoc commands will only be available to that JID.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "admin@example.org"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/biboumi.nix>

services.biboumi.settings.ca_file
Specifies which file should be used as the list of trusted CA when negotiating a TLS session.

Type: absolute path

Default:

```
config.security.pki.caBundle
```

Declared by:
<nixpkgs/nixos/modules/services/networking/biboumi.nix>

services.biboumi.settings.db_name
The name of the database to use.

Set it to null and use **credentialsFile** if you do not want this connection string to go into the Nix store.

Type: null or absolute path or string

Default:

```
"/var/lib/biboumi/biboumi.sqlite"
```

Example:

```
"postgresql://user:secret@localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/biboumi.nix>

services.biboumi.settings.hostname
The hostname served by the XMPP gateway. This domain must be configured in the XMPP server as an external component.

Type: string

Example:

```
"biboumi.example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/biboumi.nix>

services.biboumi.settings.identd_port
The TCP port on which to listen for identd queries.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
113
```

Example:

Declared by:
<nixpkgs/nixos/modules/services/networking/biboumi.nix>

services.biboumi.settings.log_level

Indicate what type of log messages to write in the logs. 0 is debug, 1 is info, 2 is warning, 3 is error.

Type: integer between 0 and 3 (both inclusive)

Default:

```
1
```

Declared by:

<nixpkgs/nixos/modules/services/networking/biboumi.nix>

services.biboumi.settings.password

The password used to authenticate the XMPP component to your XMPP server. This password must be configured in the XMPP server, associated with the external component on **hostname**.

Set it to null and use **credentialsFile** if you do not want this password to go into the Nix store.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/biboumi.nix>

services.biboumi.settings.persistent_by_default

Whether all rooms will be persistent by default: the value of the “persistent” option in the global configuration of each user will be “true”, but the value of each individual room will still default to false. This means that a user just needs to change the global “persistent” configuration option to false in order to override this.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/biboumi.nix>

services.biboumi.settings.policy_directory

A directory that should contain the policy files, used to customize Botan’s behaviour when negotiating the TLS connections with the IRC servers.

Type: absolute path

Default:

```
"${pkgs.biboumi}/etc/biboumi"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/biboumi.nix>

services.biboumi.settings.port

The TCP port to use to connect to the local XMPP component.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5347
```

Declared by:

<nixpkgs/nixos/modules/services/networking/biboumi.nix>

services.biboumi.settings.realname_customization

Whether the users will be able to use the ad−hoc commands that lets them configure their realname and username.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/biboumi.nix>

services.biboumi.settings.realname_from_jid

Whether the realname and username of each biboumi user will be extracted from their JID. Otherwise they will be set to the nick they used to connect to the IRC server.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/biboumi.nix>

services.biboumi.settings.xmpp_server_ip

The IP address to connect to the XMPP server on. The connection to the XMPP server is unencrypted, so the biboumi instance and the server should normally be on the same host.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/biboumi.nix>

services.bind.enable

Whether to enable BIND domain name server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/bind.nix>

services.bind.package

The bind package to use.

Type: package

Default:

```
pkgs.bind
```

Declared by:

<nixpkgs/nixos/modules/services/networking/bind.nix>

services.bind.blockedNetworks

What networks are just blocked.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/bind.nix>

services.bind.cacheNetworks

What networks are allowed to use us as a resolver. Note that this is for recursive queries – all networks are allowed to query zones configured with the ‘zones’ option by default (although this may be overridden within each zone’s configuration, via the ‘allowQuery’ option). It is recommended that you limit cacheNetworks to avoid your server being used for DNS amplification attacks.

Type: list of string

Default:

```
[
  "127.0.0.0/24"
  "::1/128"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/bind.nix>

services.bind.checkConfig

Check configuration.

The configuration will not be checked if you override the config file with ‘configFile’.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/bind.nix>

services.bind.configFile

Overridable config file to use for named. By default, that generated by nixos. If overriden, it will not be checked by named−checkconf.

Type: absolute path

Default:

```
confFile
```

Declared by:

<nixpkgs/nixos/modules/services/networking/bind.nix>

services.bind.directory

Working directory of BIND.

Type: string

Default:

```
"/run/named"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bind.nix>

services.bind.extraArgs
Additional command−line arguments to pass to named.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-n"
  "4"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bind.nix>

services.bind.extraConfig
Extra lines to be added verbatim to the generated named configuration file.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bind.nix>

services.bind.extraOptions
Extra lines to be added verbatim to the options section of the generated named configuration file.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bind.nix>

services.bind.forward
Whether to forward ‘first’ (try forwarding but lookup directly if forwarding fails) or ‘only’.

Type: one of “first”, “only”

Default:

```
"first"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bind.nix>

services.bind.forwarders
List of servers we should forward requests to.

Type: list of string

Default:

```
config.networking.nameservers
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bind.nix>

services.bind.ipv4Only
Only use ipv4, even if the host supports ipv6.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bind.nix>

services.bind.listenOn
Interfaces to listen on.

Type: list of string

Default:

```
[
  "any"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bind.nix>

services.bind.listenOnIpv6
Ipv6 interfaces to listen on.

Type: list of string

Default:

```
[
  "any"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bind.nix>

services.bind.listenOnIpv6Port
Ipv6 port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
53
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bind.nix>

services.bind.listenOnPort
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
53
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bind.nix>

services.bind.zones

List of zones we claim authority over.

Type: (attribute set of (submodule)) or (list of (attribute set)) convertible to it

Default:

```
[ ]
```

Example:

```
{
  "example.com" = {
    extraConfig = "";
    file = "/var/dns/example.com";
    master = false;
    masters = [
      "192.168.0.1"
    ];
    slaves = [ ];
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/bind.nix>

services.bind.zones.<name>.allowQuery

List of address ranges allowed to query this zone. Instead of the address(es), this may instead contain the single string “any”.

Type: list of string

Default:

```
[
  "any"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/bind.nix>

services.bind.zones.<name>.extraConfig

Extra zone config to be appended at the end of the zone section.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/networking/bind.nix>

services.bind.zones.<name>.file

Zone file resource records contain columns of data, separated by whitespace, that define the record.

Type: string or absolute path

Declared by:

<nixpkgs/nixos/modules/services/networking/bind.nix>

services.bind.zones.<name>.master
Master=false means slave server

Type: boolean

Declared by:
<nixpkgs/nixos/modules/services/networking/bind.nix>

services.bind.zones.<name>.masters
List of servers for inclusion in stub and secondary zones.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bind.nix>

services.bind.zones.<name>.name
Name of the zone.

Type: string

Default:

```
"‹name›"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bind.nix>

services.bind.zones.<name>.slaves
Addresses who may request zone transfers.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bind.nix>

services.bird.enable
Whether to enable BIRD Internet Routing Daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bird.nix>

services.bird.package
The bird3 package to use.

Type: package

Default:

```
pkgs.bird3
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bird.nix>

services.bird.autoReload
Whether bird should be automatically reloaded when the configuration changes.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bird.nix>

services.bird.checkConfig
Whether the config should be checked at build time. When the config can't be checked during build time, for example when it includes other files, either disable this option or use 'preCheckConfig' to create the included files before checking.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bird.nix>

services.bird.config
BIRD Internet Routing Daemon configuration file. **http://bird.network.cz/**

Type: strings concatenated with "\n"

Declared by:
<nixpkgs/nixos/modules/services/networking/bird.nix>

services.bird.preCheckConfig
Commands to execute before the config file check. The file to be checked will be available as *bird.conf* in the current directory.

Files created with this option will not be available at service runtime, only during build time checking.

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
echo "cost 100;" > include.conf
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bird.nix>

services.bird-lg.package
The bird-lg package to use.

Type: package

Default:

```
pkgs.bird-lg
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bird-lg.nix>

services.bird−lg.frontend.enable
Whether to enable Bird Looking Glass Frontend Webserver.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bird−lg.nix>

services.bird−lg.frontend.bgpMapInfo
Information displayed in bgpmap.

Type: list of string

Default:

```
[
  "asn"
  "as−name"
  "ASName"
  "descr"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bird−lg.nix>

services.bird−lg.frontend.dnsInterface
DNS zone to query ASN information.

Type: string

Default:

```
"asn.cymru.com"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bird−lg.nix>

services.bird−lg.frontend.domain
Server name domain suffixes.

Type: string

Example:

```
"dn42.lantian.pub"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bird−lg.nix>

services.bird−lg.frontend.extraArgs
Extra parameters documented **here**.

Note
Passing lines (plain strings) is deprecated in favour of passing lists of strings.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bird-lg.nix>

services.bird-lg.frontend.listenAddresses
Address to listen on.

Type: string or list of string

Default:

```
"127.0.0.1:5000"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bird-lg.nix>

services.bird-lg.frontend.nameFilter
Protocol names to hide in summary tables (RE2 syntax),

Type: string

Default:

```
""
```

Example:

```
"^ospf"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bird-lg.nix>

services.bird-lg.frontend.navbar.allServers
Text of ‘All server’ button in the navigation bar.

Type: string

Default:

```
"ALL Servers"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bird-lg.nix>

services.bird-lg.frontend.navbar.allServersURL
URL of ‘All servers’ button.

Type: string

Default:

```
"all"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bird-lg.nix>

services.bird-lg.frontend.navbar.brand
Brand to show in the navigation bar .

Type: string

Default:

```
"Bird-lg Go"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bird-lg.nix>

services.bird−lg.frontend.navbar.brandURL
URL of the brand to show in the navigation bar.

Type: string

Default:

```
"/"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bird−lg.nix>

services.bird−lg.frontend.netSpecificMode
Apply network−specific changes for some networks.

Type: string

Default:

```
""
```

Example:

```
"dn42"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bird−lg.nix>

services.bird−lg.frontend.protocolFilter
Information displayed in bgpmap.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "ospf"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bird−lg.nix>

services.bird−lg.frontend.proxyPort
Port bird−lg−proxy is running on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8000
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bird−lg.nix>

services.bird−lg.frontend.servers
Server name prefixes.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
```

```
  "gigsgigscloud"
  "hostdare"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bird-lg.nix>

services.bird-lg.frontend.timeout
Time before request timed out, in seconds.

Type: signed integer

Default:

```
120
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bird-lg.nix>

services.bird-lg.frontend.titleBrand
Prefix of page titles in browser tabs.

Type: string

Default:

```
"Bird-lg Go"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bird-lg.nix>

services.bird-lg.frontend.whois
Whois server for queries.

Type: string

Default:

```
"whois.verisign-grs.com"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bird-lg.nix>

services.bird-lg.group
Group to run the service.

Type: string

Default:

```
"bird-lg"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bird-lg.nix>

services.bird-lg.proxy.enable
Whether to enable Bird Looking Glass Proxy.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bird-lg.nix>

services.bird-lg.proxy.allowedIPs
List of IPs or networks to allow (default all allowed).

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "192.168.25.52"
  "192.168.25.53"
  "192.168.0.0/24"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bird-lg.nix>

services.bird-lg.proxy.birdSocket
Bird control socket path.

Type: string

Default:

```
"/var/run/bird/bird.ctl"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bird-lg.nix>

services.bird-lg.proxy.extraArgs
Extra parameters documented **here**.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bird-lg.nix>

services.bird-lg.proxy.listenAddresses
Address to listen on.

Type: string or list of string

Default:

```
"127.0.0.1:8000"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bird-lg.nix>

services.bird-lg.proxy.traceroute.binary
Traceroute’s binary path.

Type: string

Default:

```
"${pkgs.traceroute}/bin/traceroute"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bird-lg.nix>

services.bird-lg.proxy.traceroute.flags
Flags for traceroute process

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bird-lg.nix>

services.bird-lg.proxy.traceroute.rawOutput
Display traceroute output in raw format.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bird-lg.nix>

services.bird-lg.user
User to run the service.

Type: string

Default:

```
"bird-lg"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bird-lg.nix>

services.birdwatcher.enable
Whether to enable Birdwatcher.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/birdwatcher.nix>

services.birdwatcher.package
The birdwatcher package to use.

Type: package

Default:

```
pkgs.birdwatcher
```

Declared by:
<nixpkgs/nixos/modules/services/networking/birdwatcher.nix>

services.birdwatcher.flags

Flags to append to the program call

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-worker-pool-size 16"
  "-6"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/birdwatcher.nix>

services.birdwatcher.settings

birdwatcher configuration, for configuration options see the example on **github**

Type: strings concatenated with "\n"

Default:

```
{ }
```

Example:

```
[server]
allow_from = []
allow_uncached = false
modules_enabled = ["status",
                   "protocols",
                   "protocols_bgp",
                   "protocols_short",
                   "routes_protocol",
                   "routes_peer",
                   "routes_table",
                   "routes_table_filtered",
                   "routes_table_peer",
                   "routes_filtered",
                   "routes_prefixed",
                   "routes_noexport",
                   "routes_pipe_filtered_count",
                   "routes_pipe_filtered"
                  ]
[status]
reconfig_timestamp_source = "bird"
reconfig_timestamp_match = "# created: (.*)"
filter_fields = []
[bird]
listen = "0.0.0.0:29184"
config = "/etc/bird/bird.conf"
birdc  = "${pkgs.bird2}/bin/birdc"
ttl = 5 # time to live (in minutes) for caching of cli output
[parser]
filter_fields = []
[cache]
```

```
use_redis = false # if not using redis cache, activate housekeeping \
 to save memory!
[housekeeping]
interval = 5
force_release_memory = true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/birdwatcher.nix>

services.bitbox−bridge.enable
Whether to enable Bitbox bridge daemon, for use with Bitbox hardware wallets…

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/bitbox−bridge.nix>

services.bitbox−bridge.package
The bitbox−bridge package to use.

Type: package

Default:

```
pkgs.bitbox−bridge
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/bitbox−bridge.nix>

services.bitbox−bridge.port
Listening port for the bitbox−bridge.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8178
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/bitbox−bridge.nix>

services.bitbox−bridge.runOnMount
Run bitbox−bridge.service only when hardware wallet is plugged, also registers the systemd device unit. This option is enabled by default to save power, when false, bitbox−bridge service runs all the time instead.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/bitbox−bridge.nix>

services.bitcoind

Specification of one or more bitcoind instances.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/bitcoind.nix>

services.bitcoind.<name>.enable

Whether to enable Bitcoin daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/bitcoind.nix>

services.bitcoind.<name>.package

The bitcoind package to use.

Type: package

Default:

```
pkgs.bitcoind
```

Declared by:

<nixpkgs/nixos/modules/services/networking/bitcoind.nix>

services.bitcoind.<name>.configFile

The configuration file path to supply bitcoind.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/lib/‹name›/bitcoin.conf"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/bitcoind.nix>

services.bitcoind.<name>.dataDir

The data directory for bitcoind.

Type: absolute path

Default:

```
"/var/lib/bitcoind-‹name›"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/bitcoind.nix>

services.bitcoind.<name>.dbCache

Override the default database cache size in MiB.

Type: null or integer between 4 and 16384 (both inclusive)

Default:

```
null
```

Example:

```
4000
```

Declared by:

<nixpkgs/nixos/modules/services/networking/bitcoind.nix>

services.bitcoind.<name>.extraCmdlineOptions

Extra command line options to pass to bitcoind. Run bitcoind −−help to list all available options.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/bitcoind.nix>

services.bitcoind.<name>.extraConfig

Additional configurations to be appended to *bitcoin.conf*.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
par=16
rpcthreads=16
logips=1
```

Declared by:

<nixpkgs/nixos/modules/services/networking/bitcoind.nix>

services.bitcoind.<name>.group

The group as which to run bitcoind.

Type: string

Default:

```
"bitcoind-‹name›"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/bitcoind.nix>

services.bitcoind.<name>.pidFile

Location of bitcoind pid file.

Type: absolute path

Default:

```
"/var/lib/bitcoind-‹name›/bitcoind.pid"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bitcoind.nix>

services.bitcoind.<name>.port
Override the default port on which to listen for connections.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bitcoind.nix>

services.bitcoind.<name>.prune
Reduce storage requirements by enabling pruning (deleting) of old blocks. This allows the pruneblockchain RPC to be called to delete specific blocks, and enables automatic pruning of old blocks if a target size in MiB is provided. This mode is incompatible with −txindex and −rescan. Warning: Reverting this setting requires re−downloading the entire blockchain. (“disable” = disable pruning blocks, “manual” = allow manual pruning via RPC, >=550 = automatically prune block files to stay under the specified target size in MiB).

Type: null or ((unsigned integer, meaning >=0) or (one of “disable”, “manual”) convertible to it)

Default:

```
null
```

Example:

```
10000
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bitcoind.nix>

services.bitcoind.<name>.rpc.port
Override the default port on which to listen for JSON−RPC connections.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bitcoind.nix>

services.bitcoind.<name>.rpc.users
RPC user information for JSON−RPC connections.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  alice.passwordHMAC = "f7efda5c189b999524f151318c0c86$d5b51b3beffb \
c02b724e5d095828e0bc8b2456e9ac8757ae3211a5d9b16a22ae";
  bob.passwordHMAC = "b2dd077cb54591a2f3139e69a897ac$4e71f08d48b434 \
7cf8eff3815c0e25ae2e9a4340474079f55705f40574f4ec99";
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bitcoind.nix>

services.bitcoind.<name>.rpc.users.<name>.name
Username for JSON−RPC connections.

Type: string

Example:

```
"alice"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bitcoind.nix>

services.bitcoind.<name>.rpc.users.<name>.passwordHMAC
Password HMAC−SHA−256 for JSON−RPC connections. Must be a string of the format <SALT−HEX>$<HMAC−HEX>.

Tool (Python script) for HMAC generation is available here: **https://github.com/bitcoin/bitcoin/blob/master/share/rpcauth/rpcauth.py**

Type: string matching the pattern [0−9a−f]+\$[0−9a−f]{64}

Example:

```
"f7efda5c189b999524f151318c0c86$d5b51b3beffbc02b724e5d095828e0bc8b2 \
456e9ac8757ae3211a5d9b16a22ae"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bitcoind.nix>

services.bitcoind.<name>.testnet
Whether to use the testnet instead of mainnet.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bitcoind.nix>

services.bitcoind.<name>.user
The user as which to run bitcoind.

Type: string

Default:

```
"bitcoind−‹name›"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bitcoind.nix>

services.bitlbee.enable
Whether to run the BitlBee IRC to other chat network gateway. Running it allows you to access the MSN, Jabber, Yahoo! and ICQ chat networks via an IRC client.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bitlbee.nix>

services.bitlbee.authBackend
How users are authenticated storage – save passwords internally pam – Linux PAM authentication

Type: one of “storage”, “pam”

Default:

```
"storage"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bitlbee.nix>

services.bitlbee.authMode
The following authentication modes are available: Open – Accept connections from anyone, use NickServ for user authentication. Closed – Require authorization (using the PASS command during login) before allowing the user to connect at all. Registered – Only allow registered users to use this server; this disables the register− and the account command until the user identifies himself.

Type: one of “Open”, “Closed”, “Registered”

Default:

```
"Open"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bitlbee.nix>

services.bitlbee.configDir
Specify an alternative directory to store all the per−user configuration files.

Type: absolute path

Default:

```
"/var/lib/bitlbee"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bitlbee.nix>

services.bitlbee.extraDefaults
Will be inserted in the Default section of the config file.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bitlbee.nix>

services.bitlbee.extraSettings
Will be inserted in the Settings section of the config file.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bitlbee.nix>

services.bitlbee.hostName

Normally, BitlBee gets a hostname using getsockname(). If you have a nicer alias for your BitlBee daemon, you can set it here and BitlBee will identify itself with that name instead.

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/networking/bitlbee.nix>

services.bitlbee.interface

The interface the BitlBee daemon will be listening to. If '127.0.0.1', only clients on the local host can connect to it; if '0.0.0.0', clients can access it from any network interface.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/bitlbee.nix>

services.bitlbee.libpurple_plugins

The list of libpurple plugins to install.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.purple-discord ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/bitlbee.nix>

services.bitlbee.plugins

The list of bitlbee plugins to install.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.bitlbee-facebook ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/bitlbee.nix>

services.bitlbee.portNumber

Number of the port BitlBee will be listening to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
6667
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bitlbee.nix>

services.bitlbee.protocols
This option allows to remove the support of protocol, even if compiled in. If nothing is given, there are no restrictions.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/bitlbee.nix>

services.bitmagnet.enable
Whether to enable Bitmagnet service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/bitmagnet.nix>

services.bitmagnet.package
The bitmagnet package to use.

Type: package

Default:

```
pkgs.bitmagnet
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/bitmagnet.nix>

services.bitmagnet.group
Group of user running bitmagnet

Type: string

Default:

```
"bitmagnet"
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/bitmagnet.nix>

services.bitmagnet.openFirewall
Open DHT ports in firewall

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/bitmagnet.nix>

services.bitmagnet.settings

Bitmagnet configuration (https://bitmagnet.io/setup/configuration.html).

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/bitmagnet.nix>

services.bitmagnet.settings.dht_server

DHT server settings

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/bitmagnet.nix>

services.bitmagnet.settings.dht_server.port

DHT listen port

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3334
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/bitmagnet.nix>

services.bitmagnet.settings.http_server

HTTP server settings

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/bitmagnet.nix>

services.bitmagnet.settings.http_server.port

HTTP server listen port

Type: string

Default:

```
":3333"
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/bitmagnet.nix>

services.bitmagnet.settings.postgres

PostgreSQL database configuration

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/bitmagnet.nix>

services.bitmagnet.settings.postgres.host
Address, hostname or Unix socket path of the database server

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/bitmagnet.nix>

services.bitmagnet.settings.postgres.name
Database name to connect to

Type: string

Default:

```
"bitmagnet"
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/bitmagnet.nix>

services.bitmagnet.settings.postgres.password
Password for database user

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/bitmagnet.nix>

services.bitmagnet.settings.postgres.user
User to connect as

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/bitmagnet.nix>

services.bitmagnet.useLocalPostgresDB
Use a local postgresql database, create user and database

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/bitmagnet.nix>

services.bitmagnet.user
User running bitmagnet

Type: string

Default:

```
"bitmagnet"
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/bitmagnet.nix>

services.bitwarden−directory−connector−cli.enable
Whether to enable Bitwarden Directory Connector.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/bitwarden−directory−connector−cli.nix>

services.bitwarden−directory−connector−cli.package
The bitwarden−directory−connector−cli package to use.

Type: package

Default:

```
pkgs.bitwarden−directory−connector−cli
```

Declared by:
<nixpkgs/nixos/modules/services/security/bitwarden−directory−connector−cli.nix>

services.bitwarden−directory−connector−cli.domain
The domain the Bitwarden/Vaultwarden is accessible on.

Type: string

Example:

```
"https://vaultwarden.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/security/bitwarden−directory−connector−cli.nix>

services.bitwarden−directory−connector−cli.interval
The interval when to run the connector. This uses systemd's OnCalendar syntax.

Type: string

Default:

```
"*:0,15,30,45"
```

Declared by:
<nixpkgs/nixos/modules/services/security/bitwarden−directory−connector−cli.nix>

services.bitwarden−directory−connector−cli.ldap
Options to configure the LDAP connection. If you used the desktop application to test the configuration you can find the settings by searching for 'ldap' in '~/.config/Bitwarden\ Directory\ Connector/data.json'.

Type: open submodule of attribute set of (JSON value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/security/bitwarden-directory-connector-cli.nix>

services.bitwarden-directory-connector-cli.ldap.ad
Whether the LDAP Server is an Active Directory.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/bitwarden-directory-connector-cli.nix>

services.bitwarden-directory-connector-cli.ldap.hostname
The host the LDAP is accessible on.

Type: string

Example:

```
"ldap.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/security/bitwarden-directory-connector-cli.nix>

services.bitwarden-directory-connector-cli.ldap.pagedSearch
Whether the LDAP server paginates search results.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/bitwarden-directory-connector-cli.nix>

services.bitwarden-directory-connector-cli.ldap.port
Port LDAP is accessible on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
389
```

Declared by:
<nixpkgs/nixos/modules/services/security/bitwarden-directory-connector-cli.nix>

services.bitwarden-directory-connector-cli.ldap.rootPath
Root path for LDAP.

Type: string

Example:

```
"dc=example,dc=com"
```

Declared by:
<nixpkgs/nixos/modules/services/security/bitwarden-directory-connector-cli.nix>

services.bitwarden-directory-connector-cli.ldap.ssl
Whether to use TLS.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/bitwarden-directory-connector-cli.nix>

services.bitwarden-directory-connector-cli.ldap.startTls
Whether to use STARTTLS.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/bitwarden-directory-connector-cli.nix>

services.bitwarden-directory-connector-cli.ldap.username
The user to authenticate as.

Type: string

Example:

```
"cn=admin,dc=example,dc=com"
```

Declared by:
<nixpkgs/nixos/modules/services/security/bitwarden-directory-connector-cli.nix>

services.bitwarden-directory-connector-cli.secrets.bitwarden.client_path_id
Path to file that contains Client ID.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/security/bitwarden-directory-connector-cli.nix>

services.bitwarden-directory-connector-cli.secrets.bitwarden.client_path_secret
Path to file that contains Client Secret.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/security/bitwarden-directory-connector-cli.nix>

services.bitwarden-directory-connector-cli.secrets.ldap
Path to file that contains LDAP password for user in {option}`ldap.username

Type: string

Declared by:
<nixpkgs/nixos/modules/services/security/bitwarden-directory-connector-cli.nix>

services.bitwarden-directory-connector-cli.sync
Options to configure what gets synced. If you used the desktop application to test the configuration you can find the settings by searching for ‘sync’ in ‘~/.config/Bitwarden\ Directory\ Connector/data.json’.

Type: open submodule of attribute set of (JSON value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/security/bitwarden-directory-connector-cli.nix>

services.bitwarden−directory−connector−cli.sync.creationDateAttribute
Attribute that lists a user's creation date.

Type: string

Example:

```
"whenCreated"
```

Declared by:
<nixpkgs/nixos/modules/services/security/bitwarden−directory−connector−cli.nix>

services.bitwarden−directory−connector−cli.sync.emailPrefixAttribute
The attribute that contains the users username.

Type: string

Example:

```
"accountName"
```

Declared by:
<nixpkgs/nixos/modules/services/security/bitwarden−directory−connector−cli.nix>

services.bitwarden−directory−connector−cli.sync.emailSuffix
Suffix for the email, normally @example.com.

Type: string

Example:

```
"@example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/security/bitwarden−directory−connector−cli.nix>

services.bitwarden−directory−connector−cli.sync.groupFilter
LDAP filter for groups.

Type: string

Default:

```
""
```

Example:

```
"(cn=sales)"
```

Declared by:
<nixpkgs/nixos/modules/services/security/bitwarden−directory−connector−cli.nix>

services.bitwarden−directory−connector−cli.sync.groupNameAttribute
Attribute for a name of group.

Type: string

Default:

```
"cn"
```

Declared by:
<nixpkgs/nixos/modules/services/security/bitwarden−directory−connector−cli.nix>

services.bitwarden−directory−connector−cli.sync.groupObjectClass
A class that groups will have.

Type: string

Default:

```
"groupOfNames"
```

Declared by:
<nixpkgs/nixos/modules/services/security/bitwarden−directory−connector−cli.nix>

services.bitwarden−directory−connector−cli.sync.groupPath
Group directory, relative to root.

Type: string

Default:

```
"ou=groups"
```

Declared by:
<nixpkgs/nixos/modules/services/security/bitwarden−directory−connector−cli.nix>

services.bitwarden−directory−connector−cli.sync.groups
Whether to sync ldap groups into BitWarden.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/bitwarden−directory−connector−cli.nix>

services.bitwarden−directory−connector−cli.sync.largeImport
Enable if you are syncing more than 2000 users/groups.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/bitwarden−directory−connector−cli.nix>

services.bitwarden−directory−connector−cli.sync.memberAttribute
Attribute that lists members in a LDAP group.

Type: string

Example:

```
"uniqueMember"
```

Declared by:
<nixpkgs/nixos/modules/services/security/bitwarden−directory−connector−cli.nix>

services.bitwarden−directory−connector−cli.sync.overwriteExisting
Remove and re−add users/groups, See **https://bitwarden.com/help/user−group−filters/#overwriting−syncs** for more details.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/bitwarden-directory-connector-cli.nix>

services.bitwarden-directory-connector-cli.sync.removeDisabled
Remove users from bitwarden groups if no longer in the ldap group.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/bitwarden-directory-connector-cli.nix>

services.bitwarden-directory-connector-cli.sync.useEmailPrefixSuffix
If a user has no email address, combine a username prefix with a suffix value to form an email.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/bitwarden-directory-connector-cli.nix>

services.bitwarden-directory-connector-cli.sync.userEmailAttribute
Attribute for a users email.

Type: string

Default:

```
"mail"
```

Declared by:
<nixpkgs/nixos/modules/services/security/bitwarden-directory-connector-cli.nix>

services.bitwarden-directory-connector-cli.sync.userFilter
LDAP filter for users.

Type: string

Default:

```
""
```

Example:

```
"(memberOf=cn=sales,ou=groups,dc=example,dc=com)"
```

Declared by:
<nixpkgs/nixos/modules/services/security/bitwarden-directory-connector-cli.nix>

services.bitwarden-directory-connector-cli.sync.userObjectClass
Class that users must have.

Type: string

Default:

```
"inetOrgPerson"
```

Declared by:
<nixpkgs/nixos/modules/services/security/bitwarden-directory-connector-cli.nix>

services.bitwarden−directory−connector−cli.sync.userPath
User directory, relative to root.

Type: string

Default:

```
"ou=users"
```

Declared by:
<nixpkgs/nixos/modules/services/security/bitwarden−directory−connector−cli.nix>

services.bitwarden−directory−connector−cli.sync.users
Sync users.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/bitwarden−directory−connector−cli.nix>

services.bitwarden−directory−connector−cli.user
User to run the program.

Type: string

Default:

```
"bwdc"
```

Declared by:
<nixpkgs/nixos/modules/services/security/bitwarden−directory−connector−cli.nix>

services.blackfire−agent.enable
Whether to enable Blackfire profiler agent.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/development/blackfire.nix>

services.blackfire−agent.settings
See **https://blackfire.io/docs/up−and−running/configuration/agent**

Type: open submodule of attribute set of string

Declared by:
<nixpkgs/nixos/modules/services/development/blackfire.nix>

services.blackfire−agent.settings.server−id
Sets the server id used to authenticate with Blackfire

You can find your personal server−id at **https://blackfire.io/my/settings/credentials**

Type: string

Declared by:
<nixpkgs/nixos/modules/services/development/blackfire.nix>

services.blackfire−agent.settings.server−token
Sets the server token used to authenticate with Blackfire

You can find your personal server−token at **https://blackfire.io/my/settings/credentials**

Type: string

Declared by:
<nixpkgs/nixos/modules/services/development/blackfire.nix>

services.blendfarm.enable
Whether to enable Blendfarm, a render farm management software for Blender.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/blenderfarm.nix>

services.blendfarm.package
The blendfarm package to use.

Type: package

Default:

```
pkgs.blendfarm
```

Declared by:
<nixpkgs/nixos/modules/services/misc/blenderfarm.nix>

services.blendfarm.basicSecurityPasswordFile
Path to the password file the client needs to connect to the server. The password must not contain a forward slash.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/blenderfarm.nix>

services.blendfarm.blenderPackage
The blender package to use.

Type: package

Default:

```
pkgs.blender
```

Declared by:
<nixpkgs/nixos/modules/services/misc/blenderfarm.nix>

services.blendfarm.group

Group under which blendfarm runs.

Type: string

Default:

```
"blendfarm"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/blenderfarm.nix>

services.blendfarm.openFirewall

Whether to enable allowing blendfarm network access through the firewall.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/blenderfarm.nix>

services.blendfarm.serverConfig

Server configuration

Type: open submodule of attribute set of anything

Default:

```
{
  BasicSecurityPassword = null;
  BroadcastPort = 16342;
  BypassScriptUpdate = false;
  Port = 15000;
}
```

Declared by:

<nixpkgs/nixos/modules/services/misc/blenderfarm.nix>

services.blendfarm.serverConfig.BroadcastPort

Default port blendfarm server advertises itself on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
16342
```

Declared by:

<nixpkgs/nixos/modules/services/misc/blenderfarm.nix>

services.blendfarm.serverConfig.BypassScriptUpdate

Prevents blendfarm from replacing the .py self−generated scripts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/blenderfarm.nix>

services.blendfarm.serverConfig.Port
Default port blendfarm server listens on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
15000
```

Declared by:
<nixpkgs/nixos/modules/services/misc/blenderfarm.nix>

services.blendfarm.user
User under which blendfarm runs.

Type: string

Default:

```
"blendfarm"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/blenderfarm.nix>

services.blockbook−frontend
Specification of one or more blockbook−frontend instances.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/blockbook−frontend.nix>

services.blockbook−frontend.<name>.enable
Whether to enable blockbook−frontend application.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/blockbook−frontend.nix>

services.blockbook−frontend.<name>.package
The blockbook package to use.

Type: package

Default:

```
pkgs.blockbook
```

Declared by:
<nixpkgs/nixos/modules/services/networking/blockbook−frontend.nix>

services.blockbook−frontend.<name>.certFile
To enable SSL, specify path to the name of certificate files without extension. Expecting *certFile.crt* and *certFile.key*.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/etc/secrets/blockbook−frontend−‹name›/certFile"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/blockbook−frontend.nix>

services.blockbook−frontend.<name>.coinName
See **https://github.com/trezor/blockbook/blob/master/bchain/coins/blockchain.go#L61** for current of coins supported in master (Note: may differ from release).

Type: string

Default:

```
"Bitcoin"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/blockbook−frontend.nix>

services.blockbook−frontend.<name>.configFile
Location of the blockbook configuration file.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/lib/blockbook−frontend−‹name›/config.json"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/blockbook−frontend.nix>

services.blockbook−frontend.<name>.cssDir
Location of the dir with *main.css* CSS file. By default, the one shipped with the package is used.

Type: absolute path

Default:

```
"${package}/share/css/"
```

Example:

```
"${dataDir}/static/css/"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/blockbook−frontend.nix>

services.blockbook−frontend.<name>.dataDir
Location of blockbook−frontend−‹name› data directory.

Type: absolute path

Default:

```
"/var/lib/blockbook−frontend−‹name›"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/blockbook−frontend.nix>

services.blockbook−frontend.<name>.debug
Debug mode, return more verbose errors, reload templates on each request.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/blockbook−frontend.nix>

services.blockbook−frontend.<name>.extraCmdLineOptions
Extra command line options to pass to Blockbook. Run blockbook −−help to list all available options.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "−workers=1"
  "−dbcache=0"
  "−logtosderr"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/blockbook−frontend.nix>

services.blockbook−frontend.<name>.extraConfig
Additional configurations to be appended to *coin.conf*. Overrides any already defined configuration options. See **https://github.com/trezor/blockbook/tree/master/configs/coins** for current configuration options supported in master (Note: may differ from release).

Type: attribute set

Default:

```
{ }
```

Example:

```
{
        "alternative_estimate_fee" = "whatthefee−disabled";
        "alternative_estimate_fee_params" = "{\"url\": \"https: \
//whatthefee.io/data.json\", \"periodSeconds\": 60}";
        "fiat_rates" = "coingecko";
        "fiat_rates_params" = "{\"url\": \"https://api.coingeck \
o.com/api/v3\", \"coin\": \"bitcoin\", \"periodSeconds\": 60 \
}";
        "coin_shortcut" = "BTC";
        "coin_label" = "Bitcoin";
        "parse" = true;
        "subversion" = "";
        "address_format" = "";
        "xpub_magic" = 76067358;
        "xpub_magic_segwit_p2sh" = 77429938;
        "xpub_magic_segwit_native" = 78792518;
```

```
    "mempool_workers" = 8;
    "mempool_sub_workers" = 2;
    "block_addresses_to_keep" = 300;
  }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/blockbook-frontend.nix>

services.blockbook-frontend.<name>.group
The group as which to run blockbook-frontend-‹name›.

Type: string

Default:

```
"blockbook-frontend-‹name›"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/blockbook-frontend.nix>

services.blockbook-frontend.<name>.internal
Internal http server binding '[address]:port'.

Type: null or string

Default:

```
":9030"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/blockbook-frontend.nix>

services.blockbook-frontend.<name>.messageQueueBinding
Message Queue Binding 'address:port'.

Type: string

Default:

```
"tcp://127.0.0.1:38330"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/blockbook-frontend.nix>

services.blockbook-frontend.<name>.public
Public http server binding '[address]:port'.

Type: null or string

Default:

```
":9130"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/blockbook-frontend.nix>

services.blockbook-frontend.<name>.rpc.password
RPC password for JSON-RPC connections. Warning: this is stored in cleartext in the Nix store!!! Use 'configFile' or 'passwordFile' if needed.

Type: string

Default:

```
"rpc"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/blockbook−frontend.nix>

services.blockbook−frontend.<name>.rpc.passwordFile
File containing password of the RPC user. Note: This options is ignored when ‘configFile’ is used.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/blockbook−frontend.nix>

services.blockbook−frontend.<name>.rpc.port
Port for JSON−RPC connections.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8030
```

Declared by:
<nixpkgs/nixos/modules/services/networking/blockbook−frontend.nix>

services.blockbook−frontend.<name>.rpc.url
URL for JSON−RPC connections.

Type: string

Default:

```
"http://127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/blockbook−frontend.nix>

services.blockbook−frontend.<name>.rpc.user
Username for JSON−RPC connections.

Type: string

Default:

```
"rpc"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/blockbook−frontend.nix>

services.blockbook−frontend.<name>.sync
Synchronizes until tip, if together with zeromq, keeps index synchronized.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/blockbook−frontend.nix>

services.blockbook−frontend.<name>.templateDir
Location of the HTML templates. By default, ones shipped with the package are used.

Type: absolute path

Default:

```
"${package}/share/templates/"
```

Example:

```
"${dataDir}/templates/static/"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/blockbook-frontend.nix>

services.blockbook-frontend.<name>.user
The user as which to run blockbook-frontend-‹name›.

Type: string

Default:

```
"blockbook-frontend-‹name›"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/blockbook-frontend.nix>

services.blocky.enable
Whether to enable blocky, a fast and lightweight DNS proxy as ad-blocker for local network with many features.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/blocky.nix>

services.blocky.enableConfigCheck
Whether to enable checking the config during build time.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/blocky.nix>

services.blocky.package
The blocky package to use.

Type: package

Default:

```
pkgs.blocky
```

Declared by:
<nixpkgs/nixos/modules/services/networking/blocky.nix>

services.blocky.settings

Blocky configuration. Refer to **https://0xerr0r.github.io/blocky/configuration/** for details on supported values.

Type: YAML 1.1 value

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/blocky.nix>

services.bloop.extraOptions

Specifies additional command line argument to pass to bloop java process.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-J-Xmx2G"
  "-J-XX:MaxInlineLevel=20"
  "-J-XX:+UseParallelGC"
]
```

Declared by:

<nixpkgs/nixos/modules/services/development/bloop.nix>

services.bloop.install

Whether to install a user service for the Bloop server.

The service must be manually started for each user with “systemctl --user start bloop”.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/development/bloop.nix>

services.blueman.enable

Whether to enable blueman, a bluetooth manager.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/desktops/blueman.nix>

services.blueman.withApplet
Whether to spawn the Blueman tray applet.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/blueman.nix>

services.bluemap.enable
Whether to enable bluemap.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bluemap.nix>

services.bluemap.enableNginx
Enable configuring a virtualHost for serving the bluemap webapp

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bluemap.nix>

services.bluemap.enableRender
Enable rendering

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bluemap.nix>

services.bluemap.coreSettings
Settings for the core.conf file, **see upstream docs**.

Type: open submodule of (HOCON value)

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bluemap.nix>

services.bluemap.coreSettings.data
Folder for where bluemap stores its data

Type: absolute path

Default:

```
"/var/lib/bluemap"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bluemap.nix>

services.bluemap.coreSettings.metrics
Whether to enable Sending usage metrics containing the version of bluemap in use.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bluemap.nix>

services.bluemap.defaultWorld
The world used by the default map ruleset. If you configure your own maps you do not need to set this.

Type: absolute path

Example:

```
${config.services.minecraft.dataDir}/world
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bluemap.nix>

services.bluemap.eula
By changing this option to true you confirm that you own a copy of minecraft Java Edition, and that you agree to minecrafts EULA.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bluemap.nix>

services.bluemap.host
Domain on which nginx will serve the bluemap webapp

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bluemap.nix>

services.bluemap.maps
Settings for files in ‘maps/’. If you define anything here you must define everything yourself. See the default for an example with good options for the different world types. For valid values **consult upstream docs**.

Type: attribute set of (open submodule of (HOCON value))

Default:

```
{
  "overworld" = {
    world = "${cfg.defaultWorld}";
    ambient−light = 0.1;
    cave−detection−ocean−floor = −5;
  };
```

```
    "nether" = {
      world = "${cfg.defaultWorld}/DIM-1";
      sorting = 100;
      sky-color = "#290000";
      void-color = "#150000";
      ambient-light = 0.6;
      world-sky-light = 0;
      remove-caves-below-y = -10000;
      cave-detection-ocean-floor = -5;
      cave-detection-uses-block-light = true;
      max-y = 90;
    };
    "end" = {
      world = "${cfg.defaultWorld}/DIM1";
      sorting = 200;
      sky-color = "#080010";
      void-color = "#080010";
      ambient-light = 0.6;
      world-sky-light = 0;
      remove-caves-below-y = -10000;
      cave-detection-ocean-floor = -5;
    };
  };
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/bluemap.nix>

services.bluemap.maps.<name>.world
Path to world folder containing the dimension to render

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/web-apps/bluemap.nix>

services.bluemap.onCalendar
How often to trigger rendering the map, in the format of a systemd timer onCalendar configuration. See **systemd.timer**(5).

Type: string

Default:

```
"*-*-* 03:10:00"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/bluemap.nix>

services.bluemap.packs
A set of resourcepacks, datapacks, and mods to extract resources from, loaded in alphabetical order.

Type: attribute set of path in the Nix store

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/bluemap.nix>

services.bluemap.storage

Where the rendered map will be stored. Unless you are doing something advanced you should probably leave this alone and configure webRoot instead. **See upstream docs**

Type: attribute set of (open submodule of (HOCON value))

Default:

```
{
  "file" = {
    root = "${config.services.bluemap.webRoot}/maps";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bluemap.nix>

services.bluemap.storage.<name>.storage−type

Type of storage config

Type: one of “FILE”, “SQL”

Default:

```
"FILE"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bluemap.nix>

services.bluemap.webRoot

The directory for saving and serving the webapp and the maps

Type: absolute path

Default:

```
"/var/lib/bluemap/web"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bluemap.nix>

services.bluemap.webappSettings

Settings for the webapp.conf file, see **upstream docs**.

Type: open submodule of (HOCON value)

Default:

```
{
  enabled = true;
  webroot = config.services.bluemap.webRoot;
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bluemap.nix>

services.bluemap.webserverSettings

Settings for the webserver.conf file, usually not required. **See upstream docs**.

Type: open submodule of (HOCON value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bluemap.nix>

services.bluemap.webserverSettings.enabled
Enable bluemap's built−in webserver. Disabled by default in nixos for use of nginx directly.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bluemap.nix>

services.bluesky−pds.enable
Whether to enable pds.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bluesky−pds.nix>

services.bluesky−pds.package
The bluesky−pds package to use.

Type: package

Default:

```
pkgs.bluesky−pds
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bluesky−pds.nix>

services.bluesky−pds.environmentFiles
File to load environment variables from. Loaded variables override values set in **environment**.

Use it to set values of 'PDS_JWT_SECRET', 'PDS_ADMIN_PASSWORD', and 'PDS_PLC_ROTATION_KEY_K256_PRIVATE_KEY_HEX' secrets. 'PDS_JWT_SECRET' and 'PDS_ADMIN_PASSWORD' can be generated with

```
openssl rand −−hex 16
```

'PDS_PLC_ROTATION_KEY_K256_PRIVATE_KEY_HEX' can be generated with

```
openssl ecparam −−name secp256k1 −−genkey −−noout −−outform \
 DER | tail −−bytes=+8 | head −−bytes=32 | xxd −−plain −−co \
ls 32
```

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bluesky−pds.nix>

services.bluesky-pds.goat.enable
Add goat to PATH

Type: boolean

Default:

```
config.services.bluesky-pds.enable
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/bluesky-pds.nix>

services.bluesky-pds.pdsadmin.enable
Add pdsadmin script to PATH

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/bluesky-pds.nix>

services.bluesky-pds.settings
Environment variables to set for the service. Secrets should be specified using **environmentFile**.

Refer to **https://github.com/bluesky-social/atproto/blob/main/packages/pds/src/config/env.ts** for available environment variables.

Type: open submodule of attribute set of (null or string or 16 bit unsigned integer; between 0 and 65535 (both inclusive))

Declared by:
<nixpkgs/nixos/modules/services/web-apps/bluesky-pds.nix>

services.bluesky-pds.settings.LOG_ENABLED
Enable logging

Type: null or string

Default:

```
"true"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/bluesky-pds.nix>

services.bluesky-pds.settings.PDS_BLOBSTORE_DISK_LOCATION
Store blobs at this location, set to null to use e.g. S3

Type: null or string

Default:

```
"/var/lib/pds/blocks"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/bluesky-pds.nix>

services.bluesky-pds.settings.PDS_BLOB_UPLOAD_LIMIT
Size limit of uploaded blobs in bytes

Type: string

Default:

```
"104857600"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/bluesky-pds.nix>

services.bluesky-pds.settings.PDS_BSKY_APP_VIEW_DID
DID of bsky frontend

Type: string

Default:

```
"did:web:api.bsky.app"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/bluesky-pds.nix>

services.bluesky-pds.settings.PDS_BSKY_APP_VIEW_URL
URL of bsky frontend

Type: string

Default:

```
"https://api.bsky.app"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/bluesky-pds.nix>

services.bluesky-pds.settings.PDS_CRAWLERS
URL of crawlers

Type: string

Default:

```
"https://bsky.network"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/bluesky-pds.nix>

services.bluesky-pds.settings.PDS_DATA_DIRECTORY
Directory to store state

Type: string

Default:

```
"/var/lib/pds"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/bluesky-pds.nix>

services.bluesky-pds.settings.PDS_DID_PLC_URL
URL of DID PLC directory

Type: string

Default:

```
"https://plc.directory"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/bluesky-pds.nix>

services.bluesky-pds.settings.PDS_HOSTNAME
Instance hostname (base domain name)

Type: string

Example:

```
"pds.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bluesky−pds.nix>

services.bluesky−pds.settings.PDS_INVITE_REQUIRED
Require invite code for registration

Type: null or string

Default:

```
"true"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bluesky−pds.nix>

services.bluesky−pds.settings.PDS_PORT
Port to listen on

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bluesky−pds.nix>

services.bluesky−pds.settings.PDS_RATE_LIMITS_ENABLED
Enable rate limiting

Type: null or string

Default:

```
"true"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bluesky−pds.nix>

services.bluesky−pds.settings.PDS_REPORT_SERVICE_DID
DID of mod service

Type: string

Default:

```
"did:plc:ar7c4by46qjdydhdevvrndac"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bluesky−pds.nix>

services.bluesky−pds.settings.PDS_REPORT_SERVICE_URL
URL of mod service

Type: string

Default:

```
"https://mod.bsky.app"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bluesky−pds.nix>

services.boinc.enable

Whether to enable the BOINC distributed computing client. If this option is set to true, the boinc_client daemon will be run as a background service. The boinccmd command can be used to control the daemon.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/computing/boinc/client.nix>

services.boinc.package

The boinc package to use.

Type: package

Default:

```
pkgs.boinc
```

Example:

```
boinc-headless
```

Declared by:

<nixpkgs/nixos/modules/services/computing/boinc/client.nix>

services.boinc.allowRemoteGuiRpc

If set to true, any remote host can connect to and control this BOINC client (subject to password authentication). If instead set to false, only the hosts listed in *dataDir*/remote_hosts.cfg will be allowed to connect.

See also: **https://boinc.berkeley.edu/wiki/Controlling_BOINC_remotely#Remote_access**

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/computing/boinc/client.nix>

services.boinc.dataDir

The directory in which to store BOINC's configuration and data files.

Type: absolute path

Default:

```
"/var/lib/boinc"
```

Declared by:

<nixpkgs/nixos/modules/services/computing/boinc/client.nix>

services.boinc.extraEnvPackages

Additional packages to make available in the environment in which BOINC will run. Common choices are:

- *pkgs.virtualbox*: The VirtualBox virtual machine framework. Required by some BOINC projects, such as ATLAS@home.
- *pkgs.ocl-icd*: OpenCL infrastructure library. Required by BOINC projects that use OpenCL, in addition to a device-specific OpenCL driver.
- *pkgs.linuxPackages.nvidia_x11*: Provides CUDA libraries. Required by BOINC projects that use CUDA. Note that this requires an NVIDIA graphics device to be present on the system.

Also provides OpenCL drivers for NVIDIA GPUs; *pkgs.ocl−icd* is also needed in this case.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.virtualbox ]
```

Declared by:
<nixpkgs/nixos/modules/services/computing/boinc/client.nix>

services.bonsaid.enable
Whether to enable bonsaid.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/bonsaid.nix>

services.bonsaid.package
The bonsai package to use.

Type: package

Default:

```
pkgs.bonsai
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/bonsaid.nix>

services.bonsaid.configFile
Path to a .json file specifying the state transitions. You don’t need to set this unless you prefer to provide the json file yourself instead of using the ‘settings’ option.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/desktops/bonsaid.nix>

services.bonsaid.extraFlags
Extra flags to pass to ‘bonsaid’, such as ‘["−v"]’ to enable verbose logging.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/bonsaid.nix>

services.bonsaid.settings

State transition definitions. See the upstream **README** for extended documentation and a more complete example.

Type: list of (open submodule of (JSON value))

Example:

```
[
  {
    event_name = "power_button_pressed";
    transitions = [
      {
        delay_duration = 600000000;
        transitions = [
          {
            command = [
              "swaymsg"
              "--"
              "output"
              "*"
              "power"
              "off"
            ];
            transitions = [ ];
            type = "exec";
          }
        ];
        type = "delay";
      }
      {
        event_name = "power_button_released";
        transitions = [ ];
        type = "event";
      }
    ];
    type = "event";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/desktops/bonsaid.nix>

services.bonsaid.settings.*.command

Command to run when this transition is taken. This is executed inline by ‘bonsaid’ and blocks handling of any other events until completion. To perform the command asynchronously, specify it like ‘["setsid" "−f" "my−command"]’.

Only effects transitions with ‘type = "exec"’.

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/bonsaid.nix>

services.bonsaid.settings.*.delay_duration
Nanoseconds to wait after the previous state change before performing this transition. This can be placed at the same level as a ‘type = "event"’ transition to achieve a timeout mechanism.

Only effects transitions with ‘type = "delay"’.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/bonsaid.nix>

services.bonsaid.settings.*.event_name
Name of the event which should trigger this transition when received by ‘bonsaid’. Events are sent to ‘bonsaid’ by running ‘bonsaictl −e <event_name>’.

Only effects transitions with ‘type = "event"’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/bonsaid.nix>

services.bonsaid.settings.*.transitions
List of transitions out of this state. If left empty, then this state is considered a terminal state and entering it will trigger an immediate transition back to the root state (after processing side effects).

Type: list of (open submodule of (JSON value))

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/bonsaid.nix>

services.bonsaid.settings.*.type
Type of transition. Determines how bonsaid interprets the other options in this transition.

Type: one of “delay”, “event”, “exec”

Declared by:
<nixpkgs/nixos/modules/services/desktops/bonsaid.nix>

services.bookstack.enable
Whether to enable BookStack: A platform to create documentation/wiki content built with PHP & Laravel.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.package
The bookstack package to use.

Type: package

Default:

```
pkgs.bookstack
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.dataDir
BookStack data directory

Type: absolute path

Default:

```
"/var/lib/bookstack"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.group
Group bookstack runs as

Type: string

Default:

```
"If ‘services.bookstack.nginx‘ has any attributes then ‘nginx‘ else \
 bookstack"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.hostname
The hostname to serve BookStack on.

Type: string

Default:

```
config.networking.fqdnOrHostName
```

Example:

```
"bookstack.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.maxUploadSize
The maximum size for uploads (e.g. images).

Type: string

Default:

```
"18M"
```

Example:

```
"1G"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx
With this option, you can customize the nginx virtualHost settings.

Type: null or (submodule)

Default:

```
null
```

Example:

```
{
  serverAliases = [
    "bookstack.${config.networking.domain}"
  ];
  # To enable encryption and let let's encrypt take care of certifi \
cate
  forceSSL = true;
  enableACME = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.enableACME
Whether to ask Let's Encrypt to sign a certificate for this vhost. Alternately, you can use an existing certificate through **useACMEHost**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.acmeFallbackHost
Host which to proxy requests to if ACME challenge is not found. Useful if you want multiple hosts to be able to verify the same domain name.

With this option, you could request certificates for the present domain with an ACME client that is running on another host, which you would specify here.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.acmeRoot
Directory for the ACME challenge, which is **public**. Don't put certs or keys in here. Set to null to inherit from config.security.acme.

Type: null or string

Default:

```
"/var/lib/acme/acme−challenge"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.addSSL
Whether to enable HTTPS in addition to plain HTTP. This will set defaults for ‘listen’ to listen on all interfaces on the respective default ports (80, 443).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.basicAuth
Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.basicAuthFile
Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.default
Makes this vhost the default.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.extraConfig
These lines go to the end of the vhost verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.forceSSL
Whether to add a separate nginx server block that redirects (defaults to 301, configurable with 'redirectCode') all plain HTTP traffic to HTTPS. This will set defaults for 'listen' to listen on all interfaces on the respective default ports (80, 443), where the non−SSL listens are used for the redirect vhosts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.globalRedirect
If set, all requests for this host are redirected (defaults to 301, configurable with 'redirectCode') to the given hostname.

Type: null or string

Default:

```
null
```

Example:

```
"newserver.example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.http2
Whether to enable the HTTP/2 protocol. Note that (as of writing) due to nginx's implementation, to disable HTTP/2 you have to disable it on all vhosts that use a given IP address / port. If there is one server block configured to enable http2, then it is enabled for all server blocks on this IP. See **https://stackoverflow.com/a/39466948/263061**.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.http3
Whether to enable the HTTP/3 protocol. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that HTTP/3 support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/** HTTP/3 availability must be manually advertised, preferably in each location block.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.http3_hq

Whether to enable the HTTP/0.9 protocol negotiation used in QUIC interoperability tests. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that special application protocol support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.kTLS

Whether to enable kTLS support. Implementing TLS in the kernel (kTLS) improves performance by significantly reducing the need for copying operations between user space and the kernel. Required Nginx version 1.21.4 or later.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.listen

Listen addresses and ports for this virtual host. IPv6 addresses must be enclosed in square brackets. Note: this option overrides 'addSSL' and 'onlySSL'.

If you only want to set the addresses manually and not the ports, take a look at 'listenAddresses'.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    addr = "195.154.1.1";
    port = 443;
    ssl = true;
  }
  {
    addr = "192.154.1.1";
    port = 80;
  }
  {
    addr = "unix:/var/run/nginx.sock";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.listen.*.addr
Listen address.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.listen.*.extraParameters
Extra parameters of this listen directive.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "backlog=1024"
  "deferred"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.listen.*.port
Port number to listen on. If unset and the listen address is not a socket then nginx defaults to 80.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.listen.*.proxyProtocol
Enable PROXY protocol.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.listen.*.ssl
Enable SSL.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.listenAddresses

Listen addresses for this virtual host. Compared to ‘listen’ this only sets the addresses and the ports are chosen automatically.

Note: This option overrides ‘networking.enableIPv6’

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "127.0.0.1"
  "[::1]"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.locations

Declarative location config

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "/" = {
    proxyPass = "http://localhost:3000";
  };
};
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.locations.<name>.alias

Alias directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/alias/directory"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.locations.<name>.basicAuth

Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.locations.<name>.basicAuthFile
Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.locations.<name>.extraConfig
These lines go to the end of the location verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.locations.<name>.fastcgiParams
FastCGI parameters to override. Unlike in the Nginx configuration file, overriding only some default parameters won’t unset the default values for other parameters.

Type: attribute set of (string or absolute path)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.locations.<name>.index
Adds index directive.

Type: null or string

Default:

```
null
```

Example:

```
"index.php index.html"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.locations.<name>.priority

Order of this location block in relation to the others in the vhost. The semantics are the same as with ‘lib.mkOrder’. Smaller values have a greater priority.

Type: signed integer

Default:

```
1000
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.locations.<name>.proxyPass

Adds proxy_pass directive and sets recommended proxy headers if recommendedProxySettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"http://www.example.org/"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.locations.<name>.proxyWebsockets

Whether to support proxying websocket connections with HTTP/1.1.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.locations.<name>.recommendedProxySettings

Enable recommended proxy settings.

Type: boolean

Default:

```
config.services.nginx.recommendedProxySettings
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.locations.<name>.recommendedUwsgiSettings

Enable recommended uwsgi settings.

Type: boolean

Default:

```
config.services.nginx.recommendedUwsgiSettings
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.locations.<name>.return
Adds a return directive, for e.g. redirections.

Type: null or string or signed integer

Default:

```
null
```

Example:

```
"301 http://example.com$request_uri"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.locations.<name>.root
Root directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/root/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.locations.<name>.tryFiles
Adds try_files directive.

Type: null or string

Default:

```
null
```

Example:

```
"$uri =404"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.locations.<name>.uwsgiPass
Adds uwsgi_pass directive and sets recommended proxy headers if recommendedUwsgiSettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"unix:/run/example/example.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.onlySSL

Whether to enable HTTPS and reject plain HTTP connections. This will set defaults for ‘listen’ to listen on all interfaces on port 443.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.quic

Whether to enable the QUIC transport protocol. Note that QUIC support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.redirectCode

HTTP status used by ‘globalRedirect’ and ‘forceSSL’. Possible usecases include temporary (302, 307) redirects, keeping the request method and body (307, 308), or explicitly resetting the method to GET (303). See **https://developer.mozilla.org/en−US/docs/Web/HTTP/Redirections**.

Type: integer between 300 and 399 (both inclusive)

Default:

```
301
```

Example:

```
308
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.rejectSSL

Whether to listen for and reject all HTTPS connections to this vhost. Useful in **default** server blocks to avoid serving the certificate for another vhost. Uses the ‘ssl_reject_handshake’ directive available in nginx versions 1.19.4 and above.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.reuseport

Create an individual listening socket . It is required to specify only once on one of the hosts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.root
The path of the web root directory.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/data/webserver/docs"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.serverAliases
Additional names of virtual hosts served by this virtual host configuration.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
  "example.org"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.serverName
Name of this virtual host. Defaults to attribute name in virtualHosts.

Type: null or string

Default:

```
null
```

Example:

```
"example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.sslCertificate
Path to server SSL certificate.

Type: absolute path

Example:

```
"/var/host.cert"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.sslCertificateKey

Path to server SSL certificate key.

Type: absolute path

Example:

```
"/var/host.key"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.sslTrustedCertificate

Path to root SSL certificate for stapling and client certificates.

Type: null or absolute path

Default:

```
null
```

Example:

```
"${pkgs.cacert}/etc/ssl/certs/ca−bundle.crt"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.nginx.useACMEHost

A host of an existing Let's Encrypt certificate to use. This is useful if you have many subdomains and want to avoid hitting the **rate limit**. Alternately, you can generate a certificate through **enableACME**. *Note that this option does not create any certificates, nor it does add subdomains to existing ones – you will need to create them manually using* **security.acme.certs**[2].

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

2. see the **security.acme.certs** option

services.bookstack.poolConfig

Options for the Bookstack PHP pool. See the documentation on 'php−fpm.conf' for details on configuration directives.

Type: attribute set of (string or signed integer or boolean)

Default:

```
{
  "pm" = "dynamic";
  "pm.max_children" = 32;
  "pm.start_servers" = 2;
  "pm.min_spare_servers" = 2;
  "pm.max_spare_servers" = 4;
  "pm.max_requests" = 500;
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.settings

Options for Bookstack configuration. Refer to **https://github.com/BookStackApp/BookStack/blob/development/.env.example** for details on supported values. For passing secrets, append "_FILE" to the setting name. For example, you may create a file '/var/secrets/db_pass.txt' and set 'services.bookstack.settings.DB_PASSWORD_FILE' to '/var/secrets/db_pass.txt' instead of providing a plaintext password using 'services.bookstack.settings.DB_PASSWORD'.

Type: open submodule of attribute set of (string or signed integer or boolean)

Default:

```
{ }
```

Example:

```
{
  APP_ENV = "production";
  APP_KEY_FILE = "/var/secrets/bookstack-app-key.txt";
  DB_HOST = "db";
  DB_PORT = 3306;
  DB_DATABASE = "bookstack";
  DB_USERNAME = "bookstack";
  DB_PASSWORD_FILE = "/var/secrets/bookstack-mysql-password.txt";
}
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/bookstack.nix>

services.bookstack.settings.APP_KEY_FILE

The path to your appkey. The file should contain a 32 character random app key. This may be set using 'echo "base64:$(head -c 32 /dev/urandom | base64)" > /path/to/key-file'.

Type: absolute path

Declared by:

<nixpkgs/nixos/modules/services/web-apps/bookstack.nix>

services.bookstack.settings.APP_URL

The root URL that you want to host BookStack on. All URLs in BookStack will be generated using this value. It is used to validate specific requests and to generate URLs in emails.

Type: string

Default:

```
"http(s)://\${config.services.bookstack.hostname}"
```

Example:

```
"https://example.com"
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/bookstack.nix>

services.bookstack.settings.DB_HOST

The IP or hostname which hosts your database.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.settings.DB_PASSWORD_FILE
The file containing your mysql/mariadb database password.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/secrets/bookstack−mysql−pass.txt"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.settings.DB_PORT
The port your database is listening at.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3306
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.bookstack.user
User bookstack runs as

Type: string

Default:

```
"bookstack"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/bookstack.nix>

services.borgbackup.package
The borgbackup package to use.

Type: package

Default:

```
pkgs.borgbackup
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.jobs
Deduplicating backups using BorgBackup. Adding a job will cause a borg−job−NAME wrapper to be added to your system path, so that you can perform maintenance easily. See also the chapter about Borg-Backup in the NixOS manual.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{ # for a local backup
  rootBackup = {
```

```
          paths = "/";
          exclude = [ "/nix" ];
          repo = "/path/to/local/repo";
          encryption = {
            mode = "repokey";
            passphrase = "secret";
          };
          compression = "auto,lzma";
          startAt = "weekly";
        };
      }
      { # Root backing each day up to a remote backup server. We assume \
     that you have
        #   * created a password less key: ssh-keygen -N "" -t ed255 \
    19 -f /path/to/ssh_key
        #     best practices are: use -t ed25519, /path/to = /run/keys
        #   * the passphrase is in the file /run/keys/borgbackup_passph \
    rase
        #   * you have initialized the repository manually
        paths = [ "/etc" "/home" ];
        exclude = [ "/nix" "'**/.cache'" ];
        doInit = false;
        repo =  "user3@arep.repo.borgbase.com:repo";
        encryption = {
          mode = "repokey-blake2";
          passCommand = "cat /path/to/passphrase";
        };
        environment = { BORG_RSH = "ssh -i /path/to/ssh_key"; };
        compression = "auto,lzma";
        startAt = "daily";
    };
```

Declared by:

<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.jobs.<name>.appendFailedSuffix

Append a '.failed' suffix to the archive name, which is only removed if **borg create** has a zero exit status.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.jobs.<name>.archiveBaseName

How to name the created archives. A timestamp, whose format is determined by **dateFormat**, will be appended. The full name can be modified at runtime ('$archiveName'). Placeholders like '{hostname}' must not be used. Use 'null' for no base name.

Type: null or string matching the pattern [^/{}]+

Default:

```
"${config.networking.hostName}-<name>"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.jobs.<name>.compression
Compression method to use. Refer to **borg help compression** for all available options.

Type: string matching the pattern none|(auto,)?(lz4|zstd|zlib|lzma)(,[[:digit:]]{1,2})?

Default:

```
"lz4"
```

Example:

```
"auto,lzma"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.jobs.<name>.createCommand
Borg command to use for archive creation. The default ('create') creates a regular Borg archive.

Use 'import−tar' to instead read a tar archive stream from **dumpCommand** output and import its contents into the repository.

'import−tar' can not be used together with **exclude** or **patterns**.

Type: one of "create", "import−tar"

Default:

```
"create"
```

Example:

```
"import-tar"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.jobs.<name>.dateFormat
Arguments passed to **date** to create a timestamp suffix for the archive name.

Type: string

Default:

```
"+%Y-%m-%dT%H:%M:%S"
```

Example:

```
"-u +%s"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.jobs.<name>.doInit
Run **borg init** if the specified **repo** does not exist. You should set this to 'false' if the repository is located on an external drive that might not always be mounted.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.jobs.<name>.dumpCommand

Backup the stdout of this program instead of filesystem paths. Mutually exclusive with **paths**.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/path/to/createZFSsend.sh"
```

Declared by:

<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.jobs.<name>.encryption.mode

Encryption mode to use. Setting a mode other than ‘"none"’ requires you to specify a **passCommand** or a **passphrase**.

Type: one of “repokey”, “keyfile”, “repokey−blake2”, “keyfile−blake2”, “authenticated”, “authenticated−blake2”, “none”

Example:

```
"repokey-blake2"
```

Declared by:

<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.jobs.<name>.encryption.passCommand

A command which prints the passphrase to stdout. Mutually exclusive with **passphrase**.

Type: null or string

Default:

```
null
```

Example:

```
"cat /path/to/passphrase_file"
```

Declared by:

<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.jobs.<name>.encryption.passphrase

The passphrase the backups are encrypted with. Mutually exclusive with **passCommand**. If you do not want the passphrase to be stored in the world−readable Nix store, use **passCommand**.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.jobs.<name>.environment

Environment variables passed to the backup script. You can for example specify which SSH key to use.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  BORG_RSH = "ssh -i /path/to/key";
}
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.jobs.<name>.exclude
Exclude paths matching any of the given patterns. See **borg help patterns** for pattern syntax.

Can not be set when **createCommand** is set to 'import-tar'.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "/home/*/.cache"
  "/nix"
]
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.jobs.<name>.extraArgs
Additional arguments for all **borg** calls the service has. Handle with care.

These extra arguments also get included in the wrapper script for this job.

Type: string or (list of string) convertible to it

Default:

```
[ ]
```

Example:

```
[
  "--remote-path=/path/to/borg"
]
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.jobs.<name>.extraCompactArgs
Additional arguments for **borg compact**. Can also be set at runtime using '$extraCompactArgs'.

Type: string or (list of string) convertible to it

Default:

```
[ ]
```

Example:

```
[
  "--cleanup-commits"
]
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.jobs.<name>.extraCreateArgs

Additional arguments for **borg create**. Can also be set at runtime using '$extraCreateArgs'.

Type: string or (list of string) convertible to it

Default:

```
[ ]
```

Example:

```
[
  "--stats"
  "--checkpoint-interval 600"
]
```

Declared by:

<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.jobs.<name>.extraInitArgs

Additional arguments for **borg init**. Can also be set at runtime using '$extraInitArgs'.

Type: string or (list of string) convertible to it

Default:

```
[ ]
```

Example:

```
[
  "--append-only"
]
```

Declared by:

<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.jobs.<name>.extraPruneArgs

Additional arguments for **borg prune**. Can also be set at runtime using '$extraPruneArgs'.

Type: string or (list of string) convertible to it

Default:

```
[ ]
```

Example:

```
[
  "--save-space"
]
```

Declared by:

<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.jobs.<name>.failOnWarnings

Fail the whole backup job if any borg command returns a warning (exit code 1), for example because a file changed during backup.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.jobs.<name>.group
The group borg is run as. User or group needs read permission for the specified **paths**.

Type: string

Default:

```
"root"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.jobs.<name>.inhibitsSleep
Prevents the system from sleeping while backing up.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.jobs.<name>.paths
Path(s) to back up. Mutually exclusive with **dumpCommand**.

Type: null or ((list of string) or string convertible to it)

Default:

```
null
```

Example:

```
"/home/user"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.jobs.<name>.patterns
Include/exclude paths matching the given patterns. The first matching patterns is used, so if an include pattern (prefix '+') matches before an exclude pattern (prefix '−'), the file is backed up. See **borg help patterns** for pattern syntax.

Can not be set when **createCommand** is set to 'import−tar'.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "+ /home/susan"
  "- /home/*"
]
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.jobs.<name>.persistentTimer
Set the 'Persistent' option for the **systemd.timer**(5) which triggers the backup immediately if the last trigger was missed (e.g. if the system was powered down).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.jobs.<name>.postCreate
Shell commands to run after **borg create**. The name of the created archive is stored in '$archiveName'.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.jobs.<name>.postHook
Shell commands to run just before exit. They are executed even if a previous command exits with a non−zero exit code. The latter is available as '$exitStatus'.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.jobs.<name>.postInit
Shell commands to run after **borg init**.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.jobs.<name>.postPrune
Shell commands to run after **borg prune**.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.jobs.<name>.preHook
Shell commands to run before the backup. This can for example be used to mount file systems.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
# To add excluded paths at runtime
extraCreateArgs+=("--exclude" "/some/path")
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.jobs.<name>.privateTmp
Set the ‘PrivateTmp’ option for the systemd−service. Set to false if you need sockets or other files from global /tmp.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.jobs.<name>.prune.keep
Prune a repository by deleting all archives not matching any of the specified retention options. See **borg help prune** for the available options.

Type: attribute set of (signed integer or string matching the pattern [[:digit:]]+[Hdwmy])

Default:

```
{ }
```

Example:

```
{
  within = "1d"; # Keep all archives from the last day
  daily = 7;
  weekly = 4;
  monthly = -1;  # Keep at least one archive for each month
}
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.jobs.<name>.prune.prefix
Only consider archive names starting with this prefix for pruning. By default, only archives created by this job are considered. Use ‘""’ or ‘null’ to consider all archives.

Type: null or string

Default:

```
archiveBaseName
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.jobs.<name>.readWritePaths
By default, borg cannot write anywhere on the system but '$HOME/.config/borg' and '$HOME/.cache/borg'. If, for example, your preHook script needs to dump files somewhere, put those directories here.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[
  "/var/backup/mysqldump"
]
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.jobs.<name>.removableDevice
Whether the repo (which must be local) is a removable device.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.jobs.<name>.repo
Remote or local repository to back up to.

Type: string

Example:

```
"user@machine:/path/to/repo"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.jobs.<name>.startAt
When or how often the backup should run. Must be in the format described in **systemd.time**(7). If you do not want the backup to start automatically, use '[ ]'. It will generate a systemd service borgbackup−job−NAME. You may trigger it manually via systemctl restart borgbackup−job−NAME.

Type: string or list of string

Default:

```
"daily"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.jobs.<name>.user
The user **borg** is run as. User or group need read permission for the specified **paths**.

Type: string

Default:

```
"root"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.jobs.<name>.wrapper
Name of the wrapper that is installed into **PATH**. Set to ‘null’ or ‘""’ to disable it altogether.

Type: null or string

Default:

```
"borg-job-<name>"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.repos
Serve BorgBackup repositories to given public SSH keys, restricting their access to the repository only. See also the chapter about BorgBackup in the NixOS manual. Also, clients do not need to specify the absolute path when accessing the repository, i.e. ‘user@machine:.’ is enough. (Note colon and dot.)

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.repos.<name>.allowSubRepos
Allow clients to create repositories in subdirectories of the specified **path**. These can be accessed using ‘user@machine:path/to/subrepo’. Note that a **quota** applies to repositories independently. Therefore, if this is enabled, clients can create multiple repositories and upload an arbitrary amount of data.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.repos.<name>.authorizedKeys
Public SSH keys that are given full write access to this repository. You should use a different SSH key for each repository you write to, because the specified keys are restricted to running **borg serve** and can only access this single repository.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.repos.<name>.authorizedKeysAppendOnly
Public SSH keys that can only be used to append new data (archives) to the repository. Note that archives can still be marked as deleted and are subsequently removed from disk upon accessing the repo with full write access, e.g. when pruning.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.repos.<name>.group
The group **borg serve** is run as. User or group needs write permission for the specified **path**.

Type: string

Default:

```
"borg"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.repos.<name>.path
Where to store the backups. Note that the directory is created automatically, with correct permissions.

Type: absolute path

Default:

```
"/var/lib/borgbackup"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.repos.<name>.quota
Storage quota for the repository. This quota is ensured for all sub−repositories if **allowSubRepos** is enabled but not for the overall storage space used.

Type: null or string matching the pattern [[:digit:].]+[KMGTP]?

Default:

```
null
```

Example:

```
"100G"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgbackup.repos.<name>.user
The user **borg serve** is run as. User or group needs write permission for the specified **path**.

Type: string

Default:

```
"borg"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgbackup.nix>

services.borgmatic.enable
Whether to enable borgmatic.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgmatic.nix>

services.borgmatic.enableConfigCheck
Whether to enable checking all configurations during build time.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgmatic.nix>

services.borgmatic.configurations
Set of borgmatic configurations, see **https://torsion.org/borgmatic/docs/reference/configuration/**

Type: attribute set of (open submodule of (YAML 1.1 value))

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgmatic.nix>

services.borgmatic.configurations.<name>.repositories
A required list of local or remote repositories with paths and optional labels (which can be used with the −−repository flag to select a repository). Tildes are expanded. Multiple repositories are backed up to in sequence. Borg placeholders can be used. See the output of “borg help placeholders” for details. See ssh_command for SSH options like identity file or port. If systemd service is used, then add local repository paths in the systemd service file to the ReadWritePaths list.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    label = "backupserver";
    path = "ssh://user@backupserver/./sourcehostname.borg";
  }
  {
    label = "local";
    path = "/mnt/backup";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgmatic.nix>

services.borgmatic.configurations.<name>.repositories.*.label
Label to the repository

Type: string

Declared by:
<nixpkgs/nixos/modules/services/backup/borgmatic.nix>

services.borgmatic.configurations.<name>.repositories.*.path
Path to the repository

Type: string

Declared by:
<nixpkgs/nixos/modules/services/backup/borgmatic.nix>

services.borgmatic.configurations.<name>.source_directories
List of source directories and files to backup. Globs and tildes are expanded. Do not backslash spaces in path names.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "/home"
  "/etc"
  "/var/log/syslog*"
  "/home/user/path with spaces"
]
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgmatic.nix>

services.borgmatic.settings
See **https://torsion.org/borgmatic/docs/reference/configuration/**

Type: null or (open submodule of (YAML 1.1 value))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgmatic.nix>

services.borgmatic.settings.repositories
A required list of local or remote repositories with paths and optional labels (which can be used with the −−repository flag to select a repository). Tildes are expanded. Multiple repositories are backed up to in sequence. Borg placeholders can be used. See the output of “borg help placeholders” for details. See ssh_command for SSH options like identity file or port. If systemd service is used, then add local repository paths in the systemd service file to the ReadWritePaths list.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
```

```
    label = "backupserver";
    path = "ssh://user@backupserver/./sourcehostname.borg";
  }
  {
    label = "local";
    path = "/mnt/backup";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgmatic.nix>

services.borgmatic.settings.repositories.*.label
Label to the repository

Type: string

Declared by:
<nixpkgs/nixos/modules/services/backup/borgmatic.nix>

services.borgmatic.settings.repositories.*.path
Path to the repository

Type: string

Declared by:
<nixpkgs/nixos/modules/services/backup/borgmatic.nix>

services.borgmatic.settings.source_directories
List of source directories and files to backup. Globs and tildes are expanded. Do not backslash spaces in path names.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "/home"
  "/etc"
  "/var/log/syslog*"
  "/home/user/path with spaces"
]
```

Declared by:
<nixpkgs/nixos/modules/services/backup/borgmatic.nix>

services.bosun.enable
Whether to enable bosun.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/bosun.nix>

services.bosun.package
The bosun package to use.

Type: package

Default:

```
pkgs.bosun
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/bosun.nix>

services.bosun.checkFrequency
Bosun's check frequency

Type: string

Default:

```
"5m"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/bosun.nix>

services.bosun.extraConfig
Extra configuration options for Bosun. You should describe your desired templates, alerts, macros, etc through this configuration option.

A detailed description of the supported syntax can be found at−spi2−atk **https://bosun.org/configuration.html**

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/bosun.nix>

services.bosun.group
Group account under which bosun runs.

Type: string

Default:

```
"bosun"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/bosun.nix>

services.bosun.influxHost
Host and port of the influxdb database.

Type: null or string

Default:

```
null
```

Example:

```
"localhost:8086"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/bosun.nix>

services.bosun.ledisDir
Path to bosun's ledis data dir

Type: absolute path

Default:

```
"/var/lib/bosun/ledis_data"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/bosun.nix>

services.bosun.listenAddress
The host address and port that bosun's web interface will listen on.

Type: string

Default:

```
":8070"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/bosun.nix>

services.bosun.opentsdbHost
Host and port of the OpenTSDB database that stores bosun data. To disable opentsdb you can pass null as parameter.

Type: null or string

Default:

```
"localhost:4242"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/bosun.nix>

services.bosun.stateFile
Path to bosun's state file.

Type: absolute path

Default:

```
"/var/lib/bosun/bosun.state"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/bosun.nix>

services.bosun.user
User account under which bosun runs.

Type: string

Default:

```
"bosun"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/bosun.nix>

services.botamusique.enable

Whether to enable botamusique, a bot to play audio streams on mumble.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/audio/botamusique.nix>

services.botamusique.package

The botamusique package to use.

Type: package

Default:

```
pkgs.botamusique
```

Declared by:

<nixpkgs/nixos/modules/services/audio/botamusique.nix>

services.botamusique.settings

Your *configuration.ini* as a Nix attribute set. Look up possible options in the **configuration.example.ini**.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/audio/botamusique.nix>

services.botamusique.settings.bot.comment

Comment displayed for the bot.

Type: string

Default:

```
"Hi, I'm here to play radio, local music or youtube/soundcloud musi \
c. Have fun!"
```

Declared by:

<nixpkgs/nixos/modules/services/audio/botamusique.nix>

services.botamusique.settings.bot.username

Name the bot should appear with.

Type: string

Default:

```
"botamusique"
```

Declared by:

<nixpkgs/nixos/modules/services/audio/botamusique.nix>

services.botamusique.settings.server.host
Hostname of the mumble server to connect to.

Type: string

Default:

```
"localhost"
```

Example:

```
"mumble.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/audio/botamusique.nix>

services.botamusique.settings.server.port
Port of the mumble server to connect to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
64738
```

Declared by:
<nixpkgs/nixos/modules/services/audio/botamusique.nix>

services.bpftune.enable
Whether to enable bpftune BPF driven auto−tuning.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/system/bpftune.nix>

services.bpftune.package
The bpftune package to use.

Type: package

Default:

```
pkgs.bpftune
```

Declared by:
<nixpkgs/nixos/modules/services/system/bpftune.nix>

services.brltty.enable
Whether to enable the BRLTTY daemon.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/brltty.nix>

services.broadcast−box.enable

Whether to enable Broadcast Box.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/video/broadcast−box.nix>

services.broadcast−box.package

The broadcast−box package to use.

Type: package

Default:

```
pkgs.broadcast−box
```

Declared by:

<nixpkgs/nixos/modules/services/video/broadcast−box.nix>

services.broadcast−box.openFirewall

Whether to enable opening WebRTC traffic ports in the firewall. Randomly selected ports will not be opened. .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/video/broadcast−box.nix>

services.broadcast−box.settings

Attribute set of environment variables.

https://github.com/Glimesh/broadcast−box#environment−variables

Warning
The status API exposes stream keys so **DISABLE_STATUS** is enabled by default.

Type: open submodule of attribute set of (null or boolean or signed integer or string)

Default:

```
{
  DISABLE_STATUS = true;
}
```

Example:

```
{
  DISABLE_STATUS = true;
  INCLUDE_PUBLIC_IP_IN_NAT_1_TO_1_IP = true;
  UDP_MUX_PORT = 3000;
}
```

Declared by:
<nixpkgs/nixos/modules/services/video/broadcast−box.nix>

services.broadcast−box.web.host
Host address the HTTP server listens on. By default the server listens on all interfaces.

Type: string

Default:

```
""
```

Example:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/video/broadcast−box.nix>

services.broadcast−box.web.openFirewall
Whether to enable opening the HTTP server port and, if enabled, the HTTPS redirect server port in the firewall. .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/video/broadcast−box.nix>

services.broadcast−box.web.port
Port the HTTP server listens on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/video/broadcast−box.nix>

services.btrbk.extraPackages
Extra packages for btrbk, like compression utilities for ‘stream_compress’.

Note: This option will get deprecated in future releases. Required compression programs will get automatically provided to btrbk depending on configured compression method in ‘services.btrbk.instances.<name>.settings’ option.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.xz ]
```

Declared by:
<nixpkgs/nixos/modules/services/backup/btrbk.nix>

services.btrbk.instances

Set of btrbk instances. The instance named ‘btrbk’ is the default one.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/backup/btrbk.nix>

services.btrbk.instances.<name>.onCalendar

How often this btrbk instance is started. See **systemd.time**(7) for more information about the format. Setting it to null disables the timer, thus this instance can only be started manually.

Type: null or string

Default:

```
"daily"
```

Declared by:

<nixpkgs/nixos/modules/services/backup/btrbk.nix>

services.btrbk.instances.<name>.settings

configuration options for btrbk. Nested attrsets translate to subsections.

Type: open submodule of attribute set of (string or instances of this type recursively)

Default:

```
{ }
```

Example:

```
{
  snapshot_preserve = "14d";
  snapshot_preserve_min = "2d";
  volume = {
    "/mnt/btr_pool" = {
      subvolume = {
        home = {
          snapshot_create = "always";
        };
        rootfs = { };
      };
      target = "/mnt/btr_backup/mylaptop";
    };
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/backup/btrbk.nix>

services.btrbk.instances.<name>.settings.stream_compress

Compress the btrfs send stream before transferring it from/to remote locations using a compression command.

Type: one of “gzip”, “pigz”, “bzip2”, “pbzip2”, “bzip3”, “xz”, “lzo”, “lz4”, “zstd”, “no”

Default:

```
"no"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/btrbk.nix>

services.btrbk.instances.<name>.snapshotOnly
Whether to run in snapshot only mode. This skips backup creation and deletion steps. Useful when you want to manually backup to an external drive that might not always be connected. Use 'btrbk −c /path/to/conf resume' to trigger manual backups. More examples **here**. See also 'snapshot' subcommand in **btrbk**(1).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/backup/btrbk.nix>

services.btrbk.ioSchedulingClass
IO scheduling class for btrbk (see **ionice**(1) for a quick description). Applies to local instances, and remote ones connecting by ssh if set to idle.

Type: one of "idle", "best−effort", "realtime"

Default:

```
"best-effort"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/btrbk.nix>

services.btrbk.niceness
Niceness for local instances of btrbk. Also applies to remote ones connecting via ssh when positive.

Type: integer between −20 and 19 (both inclusive)

Default:

```
10
```

Declared by:
<nixpkgs/nixos/modules/services/backup/btrbk.nix>

services.btrbk.sshAccess
SSH keys that should be able to make or push snapshots on this system remotely with btrbk

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/backup/btrbk.nix>

services.btrbk.sshAccess.*.key
SSH public key allowed to login as user 'btrbk' to run remote backups.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/backup/btrbk.nix>

services.btrbk.sshAccess.*.roles

What actions can be performed with this SSH key. See ssh_filter_btrbk(1) for details

Type: list of (one of “info”, “source”, “target”, “delete”, “snapshot”, “send”, “receive”)

Default:

```
[ ]
```

Example:

```
[
  "source"
  "info"
  "send"
]
```

Declared by:

<nixpkgs/nixos/modules/services/backup/btrbk.nix>

services.btrfs.autoScrub.enable

Whether to enable regular btrfs scrub.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/tasks/filesystems/btrfs.nix>

services.btrfs.autoScrub.fileSystems

List of paths to btrfs filesystems to regularly call **btrfs scrub** on. Defaults to all mount points with btrfs filesystems. Note that if you have filesystems that span multiple devices (e.g. RAID), you should take care to use the same device for any given mount point and let btrfs take care of automatically mounting the rest, in order to avoid scrubbing the same data multiple times.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[
  "/"
]
```

Declared by:

<nixpkgs/nixos/modules/tasks/filesystems/btrfs.nix>

services.btrfs.autoScrub.interval

Systemd calendar expression for when to scrub btrfs filesystems. The recommended period is a month but could be less (**btrfs−scrub**(8)). See **systemd.time**(7) for more information on the syntax.

Type: string

Default:

```
"monthly"
```

Example:

```
"weekly"
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/btrfs.nix>

services.btrfs.autoScrub.limit
The scrub throughput limit applied on all scrubbed filesystems. The value is bytes per second, and accepts the usual KMGT prefixes.

Type: null or string matching the pattern [0−9]+[KMGT]?

Default:

```
null
```

Example:

```
"100M"
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/btrfs.nix>

services.buffyboard.enable
Whether to enable buffyboard framebuffer keyboard (on−screen keyboard).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/buffyboard.nix>

services.buffyboard.package
The buffybox package to use.

Type: package

Default:

```
pkgs.buffybox
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/buffyboard.nix>

services.buffyboard.configFile
Path to an INI format configuration file to provide Buffyboard. By default, this is generated from whatever you've set in 'settings'. If specified manually, then 'settings' is ignored.

For an example config file see **here**

Type: absolute path

Default:

```
ini.generate "buffyboard.conf" cfg.settings
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/buffyboard.nix>

services.buffyboard.extraFlags

Extra CLI arguments to pass to buffyboard.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--geometry=1920x1080@640,0"
  "--dpi=192"
  "--rotate=2"
  "--verbose"
]
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/buffyboard.nix>

services.buffyboard.settings

Settings to include in /etc/buffyboard.conf. Every option here is strictly optional: Buffyboard will use its own baked−in defaults for those options left unset.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/buffyboard.nix>

services.buffyboard.settings.input.pointer

Enable or disable the use of a hardware mouse or other pointing device.

Type: null or boolean

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/buffyboard.nix>

services.buffyboard.settings.input.touchscreen

Enable or disable the use of the touchscreen.

Type: null or boolean

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/buffyboard.nix>

services.buffyboard.settings.keyboard.haptic_feedback

Enable or disable vibrations when pressing keys.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/buffyboard.nix>

services.buffyboard.settings.keyboard.sticky_shift
Changes shift key behavior. When true, the keyboard remains in uppercase mode until the shift key is pressed again (sticky). When false, the keyboard switches back to lowercase mode and the shift key deactivates after a non−modifier key is pressed.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/buffyboard.nix>

services.buffyboard.settings.quirks.fbdev_force_refresh
If true and using the framebuffer backend, this triggers a display refresh after every draw operation. This has a negative performance impact.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/buffyboard.nix>

services.buffyboard.settings.quirks.ignore_unused_terminals
If true, buffyboard won't automatically update the layout of a new terminal and draw the keyboard, if the terminal is not opened by any process. In this case SIGUSR1 should be sent to buffyboard to update the layout. This quirk was introduced to resolve a race between buffyboard and systemd−logind according to the following scenario:

- A user switches to a new virtual terminal
- Buffyboard opens the terminal and changes the number of rows
- systemd−logind sees that the terminal is opened by some other process and don't start getty@.service

The race is resolved by enabling this option and installing a drop−in file for getty@.service that sends SIGUSR1 to buffyboard.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/buffyboard.nix>

services.buffyboard.settings.theme.default
Selects the default theme on boot. Can be changed at runtime to the alternative theme.

Type: string or one of <null>, "adwaita−dark", "breezy−dark", "breezy−light", "nord−dark", "nord−light", "pmos−dark", "pmos−light"

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/buffyboard.nix>

services.buildbot−master.enable
Whether to enable the Buildbot continuous integration server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildbot/master.nix>

services.buildbot−master.package
The buildbot−full package to use.

Type: package

Default:

```
pkgs.buildbot−full
```

Example:

```
buildbot
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildbot/master.nix>

services.buildbot−master.packages
Packages to add to PATH for the buildbot process.

Type: list of package

Default:

```
[ pkgs.git ]
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildbot/master.nix>

services.buildbot−master.buildbotDir
Specifies the Buildbot directory.

Type: absolute path

Default:

```
"${config.services.buildbot−master.home}/master"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildbot/master.nix>

services.buildbot−master.buildbotUrl
Specifies the Buildbot URL.

Type: string

Default:

```
"http://localhost:8010/"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildbot/master.nix>

services.buildbot−master.builders
List of Builders.

Type: list of string

Default:

```
[
  "util.BuilderConfig(name='runtests',workernames=['example−worker \
'],factory=factory)"
]
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildbot/master.nix>

services.buildbot−master.changeSource
List of Change Sources.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "changes.GitPoller('https://github.com/buildbot/pyflakes.git', wo \
rkdir='gitpoller−workdir', branch='master', pollinterval=300)"
]
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildbot/master.nix>

services.buildbot−master.configurators
Configurator Steps, see **https://docs.buildbot.net/latest/manual/configuration/configurators.html**

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "util.JanitorConfigurator(logHorizon=timedelta(weeks=4), hour=12, \
 dayOfWeek=6)"
]
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildbot/master.nix>

services.buildbot−master.dbUrl
Specifies the database connection string.

Type: string

Default:

```
"sqlite:///state.sqlite"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildbot/master.nix>

services.buildbot−master.extraConfig

Extra configuration to append to master.cfg

Type: strings concatenated with “\n”

Default:

```
"c['buildbotNetUsageData'] = None"
```

Declared by:

<nixpkgs/nixos/modules/services/continuous−integration/buildbot/master.nix>

services.buildbot−master.extraGroups

List of extra groups that the buildbot user should be a part of.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/continuous−integration/buildbot/master.nix>

services.buildbot−master.extraImports

Extra python imports to prepend to master.cfg

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
"from buildbot.process.project import Project"
```

Declared by:

<nixpkgs/nixos/modules/services/continuous−integration/buildbot/master.nix>

services.buildbot−master.factorySteps

Factory Steps

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "steps.Git(repourl='https://github.com/buildbot/pyflakes.git', mo \
de='incremental')"
  "steps.ShellCommand(command=['trial', 'pyflakes'])"
]
```

Declared by:

<nixpkgs/nixos/modules/services/continuous−integration/buildbot/master.nix>

services.buildbot−master.group

Primary group of buildbot user.

Type: string

Default:

```
"buildbot"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildbot/master.nix>

services.buildbot−master.home
Buildbot home directory.

Type: absolute path

Default:

```
"/home/buildbot"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildbot/master.nix>

services.buildbot−master.listenAddress
Specifies the bind address on which the buildbot HTTP interface listens.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildbot/master.nix>

services.buildbot−master.masterCfg
Optionally pass master.cfg path. Other options in this configuration will be ignored.

Type: absolute path

Default: generated configuration file

Example:

```
"/etc/nixos/buildbot/master.cfg"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildbot/master.nix>

services.buildbot−master.pbPort
The buildmaster will listen on a TCP port of your choosing for connections from workers. It can also use this port for connections from remote Change Sources, status clients, and debug tools. This port should be visible to the outside world, and you'll need to tell your worker admins about your choice. If put in (single) quotes, this can also be used as a connection string, as defined in the **ConnectionStrings guide**.

Type: string or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9989
```

Example:

```
"'tcp:9990:interface=127.0.0.1'"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildbot/master.nix>

services.buildbot−master.port
Specifies port number on which the buildbot HTTP interface listens.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8010
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildbot/master.nix>

services.buildbot−master.pythonPackages
Packages to add the to the PYTHONPATH of the buildbot process.

Type: function that evaluates to a(n) list of package

Default:

```
pythonPackages: with pythonPackages; [ ]
```

Example:

```
pythonPackages: with pythonPackages; [ requests ]
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildbot/master.nix>

services.buildbot−master.reporters
List of reporter objects used to present build status to various users.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildbot/master.nix>

services.buildbot−master.schedulers
List of Schedulers.

Type: list of string

Default:

```
[
  "schedulers.SingleBranchScheduler(name='all', change_filter=util. \
ChangeFilter(branch='master'), treeStableTimer=None, builderNames=[ \
'runtests'])"
  "schedulers.ForceScheduler(name='force',builderNames=['runtests'] \
)"
]
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildbot/master.nix>

services.buildbot−master.title
Specifies the Buildbot Title.

Type: string

Default:

```
"Buildbot"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildbot/master.nix>

services.buildbot−master.titleUrl
Specifies the Buildbot TitleURL.

Type: string

Default:

```
"Buildbot"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/buildbot/master.nix>

services.buildbot-master.user
User the buildbot server should execute under.

Type: string

Default:

```
"buildbot"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/buildbot/master.nix>

services.buildbot-master.workers
List of Workers.

Type: list of string

Default:

```
[
  "worker.Worker('example-worker', 'pass')"
]
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/buildbot/master.nix>

services.buildbot-worker.enable
Whether to enable the Buildbot Worker.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/buildbot/worker.nix>

services.buildbot-worker.package
The buildbot-worker package to use.

Type: package

Default:

```
pkgs.buildbot-worker
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/buildbot/worker.nix>

services.buildbot-worker.packages
Packages to add to PATH for the buildbot process.

Type: list of package

Default:

```
[ pkgs.git ]
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/buildbot/worker.nix>

services.buildbot−worker.adminMessage
Name of the administrator of this worker

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildbot/worker.nix>

services.buildbot−worker.buildbotDir
Specifies the Buildbot directory.

Type: absolute path

Default:

```
"${config.services.buildbot−worker.home}/worker"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildbot/worker.nix>

services.buildbot−worker.extraGroups
List of extra groups that the Buildbot Worker user should be a part of.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildbot/worker.nix>

services.buildbot−worker.group
Primary group of buildbot Worker user.

Type: string

Default:

```
"bbworker"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildbot/worker.nix>

services.buildbot−worker.home
Buildbot home directory.

Type: absolute path

Default:

```
"/home/bbworker"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildbot/worker.nix>

services.buildbot−worker.hostMessage
Description of this worker

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildbot/worker.nix>

services.buildbot−worker.keepalive
This is a number that indicates how frequently keepalive messages should be sent from the worker to the buildmaster, expressed in seconds.

Type: signed integer

Default:

```
600
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildbot/worker.nix>

services.buildbot−worker.masterUrl
Specifies the Buildbot Worker connection string.

Type: string

Default:

```
"localhost:9989"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildbot/worker.nix>

services.buildbot−worker.user
User the buildbot Worker should execute under.

Type: string

Default:

```
"bbworker"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildbot/worker.nix>

services.buildbot−worker.workerPass
Specifies the Buildbot Worker password.

Type: string

Default:

```
"pass"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildbot/worker.nix>

services.buildbot−worker.workerPassFile
File used to store the Buildbot Worker password

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildbot/worker.nix>

services.buildbot−worker.workerUser
Specifies the Buildbot Worker user.

Type: string

Default:

```
"example−worker"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildbot/worker.nix>

services.buildkite−agents
Attribute set of buildkite agents. The attribute key is combined with the hostname and a unique integer to create the final agent name. This can be overridden by setting the ‘name’ attribute.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildkite−agents.nix>

services.buildkite−agents.<name>.enable
Whether to enable this buildkite agent

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildkite−agents.nix>

services.buildkite−agents.<name>.package
The buildkite−agent package to use.

Type: package

Default:

```
pkgs.buildkite−agent
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildkite−agents.nix>

services.buildkite−agents.<name>.dataDir
The workdir for the agent

Type: string

Default:

```
"/var/lib/buildkite−agent−‹name›"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildkite−agents.nix>

services.buildkite−agents.<name>.extraConfig
Extra lines to be added verbatim to the configuration file.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
"debug=true"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildkite−agents.nix>

services.buildkite−agents.<name>.extraGroups
Groups the user for this buildkite agent should belong to

Type: list of string

Default:

```
[
  "keys"
]
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildkite−agents.nix>

services.buildkite−agents.<name>.hooks
“Agent” hooks to install. See **https://buildkite.com/docs/agent/v3/hooks** for possible options.

Type: attribute set of strings concatenated with “\n”

Default:

```
{ }
```

Example:

```
{
  environment = ''
    export SECRET_VAR=‘head −1 /run/keys/secret‘
  '';
}
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildkite−agents.nix>

services.buildkite−agents.<name>.hooksPath
Path to the directory storing the hooks. Consider using **services.buildkite−agents.<name>.hooks.<name>** instead.

Type: absolute path

Default: generated from **services.buildkite−agents.<name>.hooks**

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildkite−agents.nix>

services.buildkite−agents.<name>.name
The name of the agent as seen in the buildkite dashboard.

Type: string

Default:

```
"%hostname−‹name›−%n"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildkite−agents.nix>

services.buildkite−agents.<name>.privateSshKeyPath
OpenSSH private key

A run−time path to the key file, which is supposed to be provisioned outside of Nix store.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildkite−agents.nix>

services.buildkite−agents.<name>.runtimePackages
Add programs to the buildkite−agent environment

Type: list of package

Default:

```
[ pkgs.bash pkgs.gnutar pkgs.gzip pkgs.git pkgs.nix ]
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildkite−agents.nix>

services.buildkite−agents.<name>.shell
Command that buildkite−agent 3 will execute when it spawns a shell.

Type: string

Default:

```
"${pkgs.bash}/bin/bash −e −c"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildkite−agents.nix>

services.buildkite−agents.<name>.tags
Tags for the agent.

Type: attribute set of (string or list of string)

Default:

```
{ }
```

Example:

```
{
  docker = "true";
  queue = "default";
  ruby2 = "true";
}
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildkite−agents.nix>

services.buildkite−agents.<name>.tokenPath
The token from your Buildkite “Agents” page.

A run−time path to the token file, which is supposed to be provisioned outside of Nix store.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/buildkite−agents.nix>

services.byedpi.enable
Whether to enable the ByeDPI service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/byedpi.nix>

services.byedpi.package
The byedpi package to use.

Type: package

Default:

```
pkgs.byedpi
```

Declared by:
<nixpkgs/nixos/modules/services/networking/byedpi.nix>

services.byedpi.extraArgs
Extra command line arguments.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--split"
  "1"
  "--disorder"
  "3+s"
  "--mod-http=h,d"
  "--auto=torst"
  "--tlsrec"
  "1+s"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/byedpi.nix>

services.c2fmzq-server.enable
Whether to enable c2fmzq-server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/c2fmzq-server.nix>

services.c2fmzq-server.package
The c2fmzq package to use.

Type: package

Default:

```
pkgs.c2fmzq
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/c2fmzq−server.nix>

services.c2fmzq−server.bindIP
The local address to use.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/c2fmzq−server.nix>

services.c2fmzq−server.passphraseFile
Path to file containing the database passphrase

Type: string

Example:

```
"/run/secrets/c2fmzq/pwfile"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/c2fmzq−server.nix>

services.c2fmzq−server.port
The local port to use.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/c2fmzq−server.nix>

services.c2fmzq−server.settings
Configuration for c2FmZQ−server passed as CLI arguments. Run **c2FmZQ−server help** for supported values.

Type: open submodule of attribute set of (null or boolean or signed integer or string)

Example:

```
{
  allow−new−accounts = true;
  auto−approve−new−accounts = true;
  enable−webapp = true;
  encrypt−metadata = true;
  verbose = 3;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/c2fmzq−server.nix>

services.c2fmzq−server.settings.database
Path of the database

Type: string

Default:

```
"%S/c2fmzq−server/data"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/c2fmzq−server.nix>

services.c2fmzq−server.settings.verbose
The level of logging verbosity: 1:Error 2:Info 3:Debug

Type: integer between 1 and 3 (both inclusive)

Default:

```
2
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/c2fmzq−server.nix>

services.cachefilesd.enable
Whether to enable cachefilesd network filesystems caching daemon.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/cachefilesd.nix>

services.cachefilesd.cacheDir
Directory to contain filesystem cache.

Type: string

Default:

```
"/var/cache/fscache"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/cachefilesd.nix>

services.cachefilesd.extraConfig
Additional configuration file entries. See **cachefilesd.conf**(5) for more information.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
"brun 10%"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/cachefilesd.nix>

services.cachix−agent.enable
Whether to enable Cachix Deploy Agent: **https://docs.cachix.org/deploy/**.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/system/cachix−agent/default.nix>

services.cachix−agent.package
The cachix package to use.

Type: package

Default:

```
pkgs.cachix
```

Declared by:
<nixpkgs/nixos/modules/services/system/cachix−agent/default.nix>

services.cachix−agent.credentialsFile
Required file that needs to contain CACHIX_AGENT_TOKEN=…

Type: absolute path

Default:

```
"/etc/cachix−agent.token"
```

Declared by:
<nixpkgs/nixos/modules/services/system/cachix−agent/default.nix>

services.cachix−agent.host
Cachix uri to use.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/system/cachix−agent/default.nix>

services.cachix−agent.name
Agent name, usually same as the hostname

Type: string

Default:

```
"config.networking.hostName"
```

Declared by:
<nixpkgs/nixos/modules/services/system/cachix−agent/default.nix>

services.cachix−agent.profile
Profile name, defaults to ‘system’ (NixOS).

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/system/cachix−agent/default.nix>

services.cachix−agent.verbose
Enable verbose output

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/system/cachix-agent/default.nix>

services.cachix-watch-store.enable
Whether to enable Cachix Watch Store: **https://docs.cachix.org**.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/system/cachix-watch-store.nix>

services.cachix-watch-store.package
The cachix package to use.

Type: package

Default:

```
pkgs.cachix
```

Declared by:
<nixpkgs/nixos/modules/services/system/cachix-watch-store.nix>

services.cachix-watch-store.cacheName
Cachix binary cache name

Type: string

Declared by:
<nixpkgs/nixos/modules/services/system/cachix-watch-store.nix>

services.cachix-watch-store.cachixTokenFile
Required file that needs to contain the cachix auth token.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/system/cachix-watch-store.nix>

services.cachix-watch-store.compressionLevel
The compression level for ZSTD compression (between 0 and 16)

Type: null or integer between 0 and 16 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/system/cachix-watch-store.nix>

services.cachix-watch-store.host
Cachix host to connect to

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/system/cachix−watch−store.nix>

services.cachix−watch−store.jobs
Number of threads used for pushing store paths

Type: null or (positive integer, meaning >0)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/system/cachix−watch−store.nix>

services.cachix−watch−store.signingKeyFile
Optional file containing a self−managed signing key to sign uploaded store paths.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/system/cachix−watch−store.nix>

services.cachix−watch−store.verbose
Enable verbose output

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/system/cachix−watch−store.nix>

services.caddy.enable
Whether to enable Caddy web server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/caddy/default.nix>

services.caddy.enableReload
Reload Caddy instead of restarting it when configuration file changes.

Note that enabling this option requires the **admin API** to not be turned off.

If you enable this option, consider setting ‘grace_period’ to a non−infinite value in **services.caddy.globalConfig** to prevent Caddy waiting for active connections to finish, which could delay the reload essentially indefinitely.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/caddy/default.nix>

services.caddy.package
The caddy package to use.

Type: package

Default:

```
pkgs.caddy
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/caddy/default.nix>

services.caddy.acmeCA

Note
Sets the ‘acme_ca’ **option** in the global options block of the resulting Caddyfile.

The URL to the ACME CA’s directory. It is strongly recommended to set this to ‘https://acme−staging−v02.api.letsencrypt.org/directory’ for Let’s Encrypt’s **staging endpoint** while testing or in development.

Value ‘null’ should be prefered for production setups, as it omits the ‘acme_ca’ option to enable **automatic issuer fallback**.

Type: null or string

Default:

```
null
```

Example:

```
"https://acme−v02.api.letsencrypt.org/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/caddy/default.nix>

services.caddy.adapter
Name of the config adapter to use. See **https://caddyserver.com/docs/config−adapters** for the full list.

If ‘null’ is specified, the ‘−−adapter’ argument is omitted when starting or restarting Caddy. Notably, this allows specification of a configuration file in Caddy’s native JSON format, as long as the filename does not start with ‘Caddyfile’ (in which case the ‘caddyfile’ adapter is implicitly enabled). See **https://caddyserver.com/docs/command−line#caddy−run** for details.

Note
Any value other than ‘null’ or ‘caddyfile’ is only valid when providing your own ‘configFile’.

Type: null or string

Default:

```
if ((cfg.configFile != configFile) || (baseNameOf cfg.configFile) = \
= "Caddyfile") then "caddyfile" else null
```

Example:

```
nginx
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/caddy/default.nix>

services.caddy.configFile

Override the configuration file used by Caddy. By default, NixOS generates one automatically.

The configuration file is exposed at */etc/caddy/caddy_config*.

Type: absolute path

Default:

```
"A Caddyfile automatically generated by values from services.caddy. \
*"
```

Example:

```
pkgs.writeText "Caddyfile" ''
  example.com
  root * /var/www/wordpress
  php_fastcgi unix//run/php/php-version-fpm.sock
  file_server
```

Declared by:

<nixpkgs/nixos/modules/services/web-servers/caddy/default.nix>

services.caddy.dataDir

The data directory for caddy.

Note

If left as the default value this directory will automatically be created before the Caddy server starts, otherwise you are responsible for ensuring the directory exists with appropriate ownership and permissions.

Caddy v2 replaced 'CADDYPATH' with XDG directories. See **https://caddyserver.com/docs/conventions#file-locations**.

Type: absolute path

Default:

```
"/var/lib/caddy"
```

Declared by:

<nixpkgs/nixos/modules/services/web-servers/caddy/default.nix>

services.caddy.email

Your email address. Mainly used when creating an ACME account with your CA, and is highly recommended in case there are problems with your certificates.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web-servers/caddy/default.nix>

services.caddy.environmentFile

Environment file as defined in **systemd.exec**(5).

You can use environment variables to pass secrets to the service without adding them to the world-readable nix store.

```
# in configuration.nix
services.caddy.environmentFile = "/run/secrets/caddy.env";
services.caddy.globalConfig = ''
  {
```

```
      acme_ca https://acme.zerossl.com/v2/DV90
      acme_eab {
        key_id {$EAB_KEY_ID}
        mac_key {$EAB_MAC_KEY}
      }
    }
# in /run/secrets/caddy.env
EAB_KEY_ID=secret
EAB_MAC_KEY=secret
```

Find more examples **here**

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/caddy.env"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/caddy/default.nix>

services.caddy.extraConfig

Additional lines of configuration appended to the automatically generated ‘Caddyfile’.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
example.com {
  encode gzip
  log
  root /srv/http
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/caddy/default.nix>

services.caddy.globalConfig

Additional lines of configuration appended to the global config section of the ‘Caddyfile’.

Refer to **https://caddyserver.com/docs/caddyfile/options#global−options** for details on supported values.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
debug
servers {
  protocol {
    experimental_http3
  }
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/caddy/default.nix>

services.caddy.group
Group under which caddy runs.

Note
If left as the default value this group will automatically be created on system activation, otherwise you are responsible for ensuring the group exists before the Caddy service starts.

Type: string

Default:

```
"caddy"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/caddy/default.nix>

services.caddy.httpPort
The default port to listen on for HTTP traffic.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
80
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/caddy/default.nix>

services.caddy.httpsPort
The default port to listen on for HTTPS traffic. Will also be used for HTTP/3.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
443
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/caddy/default.nix>

services.caddy.logDir
Directory for storing Caddy access logs.

Note
If left as the default value this directory will automatically be created before the Caddy server starts, otherwise the sysadmin is responsible for ensuring the directory exists with appropriate ownership and permissions.

Type: absolute path

Default:

```
"/var/log/caddy"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/caddy/default.nix>

services.caddy.logFormat
Configuration for the default logger. See **https://caddyserver.com/docs/caddyfile/options#log** for details.

Type: strings concatenated with “\n”

Default:

```
level ERROR
```

Example:

```
mkForce "level INFO";
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/caddy/default.nix>

services.caddy.openFirewall

Whether to enable opening the specified http(s) ports in the firewall. Any port set to ‘null’ will not be opened.

Note

If you use other ports for your virtual hosts, you need to open them manually.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/caddy/default.nix>

services.caddy.resume

Use saved config, if any (and prefer over any specified configuration passed with ‘−−config’).

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/caddy/default.nix>

services.caddy.settings

Structured configuration for Caddy to generate a Caddy JSON configuration file. See **https://caddyserver.com/docs/json/** for available options.

Warning

Using a **Caddyfile** instead of a JSON config is highly recommended by upstream. There are only very few exception to this.

Please use a Caddyfile via **services.caddy.configFile**, **services.caddy.virtualHosts** or **services.caddy.extraConfig** with **services.caddy.globalConfig** instead.

Note

Takes presence over most ‘services.caddy.*’ options, such as **services.caddy.configFile** and **services.caddy.virtualHosts**, if specified.

Type: JSON value

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/caddy/default.nix>

services.caddy.user

User account under which caddy runs.

Note
If left as the default value this user will automatically be created on system activation, otherwise you are responsible for ensuring the user exists before the Caddy service starts.

Type: string

Default:

```
"caddy"
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/caddy/default.nix>

services.caddy.virtualHosts

Declarative specification of virtual hosts served by Caddy.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "hydra.example.com" = {
    serverAliases = [ "www.hydra.example.com" ];
    extraConfig = ''
      encode gzip
      root * /srv/http
    '';
  };
};
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/caddy/default.nix>

services.caddy.virtualHosts.<name>.extraConfig

Additional lines of configuration appended to this virtual host in the automatically generated ‘Caddyfile’.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/caddy/default.nix>

services.caddy.virtualHosts.<name>.hostName

Canonical hostname for the server.

Type: string

Default:

```
"‹name›"
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/caddy/default.nix>

services.caddy.virtualHosts.<name>.listenAddresses

A list of host interfaces to bind to for this virtual host.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "127.0.0.1"
  "::1"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/caddy/default.nix>

services.caddy.virtualHosts.<name>.logFormat

Configuration for HTTP request logging (also known as access logs). See **https://caddyserver.com/docs/caddyfile/directives/log#log** for details.

Type: null or strings concatenated with "\n"

Default:

```
  output file ''${config.services.caddy.logDir}/access−''${hostNam \
e}.log
```

Example:

```
mkForce ''
  output discard
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/caddy/default.nix>

services.caddy.virtualHosts.<name>.serverAliases

Additional names of virtual hosts served by this virtual host configuration.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
  "example.org"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/caddy/default.nix>

services.caddy.virtualHosts.<name>.useACMEHost

A host of an existing Let's Encrypt certificate to use. This is mostly useful if you use DNS challenges but Caddy does not currently support your provider.

Note that this option does not create any certificates, nor does it add subdomains to existing ones – you will need to create them manually using **security.acme.certs**[1].

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/caddy/default.nix>

1. see the **security.acme.certs** option

services.cadvisor.enable
Whether to enable Cadvisor service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/cadvisor.nix>

services.cadvisor.extraOptions
Additional cadvisor options.

See **https://github.com/google/cadvisor/blob/master/docs/runtime_options.md** for available options.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/cadvisor.nix>

services.cadvisor.listenAddress
Cadvisor listening host

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/cadvisor.nix>

services.cadvisor.port
Cadvisor listening port

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/cadvisor.nix>

services.cadvisor.storageDriver
Cadvisor storage driver.

Type: null or string

Default:

```
null
```

Example:

```
"influxdb"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/cadvisor.nix>

services.cadvisor.storageDriverDb
Cadvisord storage driver database name.

Type: string

Default:

```
"root"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/cadvisor.nix>

services.cadvisor.storageDriverHost
Cadvisor storage driver host.

Type: string

Default:

```
"localhost:8086"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/cadvisor.nix>

services.cadvisor.storageDriverPassword
Cadvisor storage driver password.

Warning: this password is stored in the world−readable Nix store. It's recommended to use the **storageDriverPasswordFile** option since that gives you control over the security of the password. **storageDriverPasswordFile** also takes precedence over **storageDriverPassword**.

Type: string

Default:

```
"root"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/cadvisor.nix>

services.cadvisor.storageDriverPasswordFile
File that contains the cadvisor storage driver password.

storageDriverPasswordFile takes precedence over **storageDriverPassword**

Warning: when **storageDriverPassword** is non−empty this defaults to a file in the world−readable Nix store that contains the value of **storageDriverPassword**.

It's recommended to override this with a path not in the Nix store. Tip: use **nixops key management**

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/cadvisor.nix>

services.cadvisor.storageDriverSecure
Cadvisor storage driver, enable secure communication.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/cadvisor.nix>

services.cadvisor.storageDriverUser
Cadvisor storage driver username.

Type: string

Default:

```
"root"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/cadvisor.nix>

services.cage.enable
Whether to enable cage kiosk service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/wayland/cage.nix>

services.cage.package
The cage package to use.

Type: package

Default:

```
pkgs.cage
```

Declared by:
<nixpkgs/nixos/modules/services/wayland/cage.nix>

services.cage.environment
Additional environment variables to pass to Cage.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  WLR_LIBINPUT_NO_DEVICES = "1";
}
```

Declared by:
<nixpkgs/nixos/modules/services/wayland/cage.nix>

services.cage.extraArguments
Additional command line arguments to pass to Cage.

Type: list of string

Default:

```
[]
```

Example:

```
[
  "-d"
]
```

Declared by:
<nixpkgs/nixos/modules/services/wayland/cage.nix>

services.cage.program
Program to run in cage.

Type: absolute path

Default:

```
"${pkgs.xterm}/bin/xterm"
```

Declared by:
<nixpkgs/nixos/modules/services/wayland/cage.nix>

services.cage.user
User to log−in as.

Type: string

Default:

```
"demo"
```

Declared by:
<nixpkgs/nixos/modules/services/wayland/cage.nix>

services.calibre−server.enable
Whether to enable calibre−server (e−book software).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/calibre−server.nix>

services.calibre−server.package
The calibre package to use.

Type: package

Default:

```
pkgs.calibre
```

Declared by:
<nixpkgs/nixos/modules/services/misc/calibre−server.nix>

services.calibre−server.auth.enable
Password based authentication to access the server. See the **calibre−server documentation** for details.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/calibre-server.nix>

services.calibre-server.auth.mode
Choose the type of authentication used. Set the HTTP authentication mode used by the server. See the **calibre-server documentation** for details.

Type: one of “auto”, “basic”, “digest”

Default:

```
"auto"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/calibre-server.nix>

services.calibre-server.auth.userDb
Choose users database file to use for authentication. Make sure users database file is initialized before service startup. See the **calibre-server documentation** for details.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/calibre-server.nix>

services.calibre-server.extraFlags
Extra flags to pass to the calibre-server command. See the **calibre-server documentation** for details.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/calibre-server.nix>

services.calibre-server.group
The group under which calibre-server runs.

Type: string

Default:

```
"calibre-server"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/calibre-server.nix>

services.calibre-server.host
The interface on which to listen for connections. See the **calibre-server documentation** for details.

Type: string

Default:

```
"0.0.0.0"
```

Example:

```
"::1"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/calibre−server.nix>

services.calibre−server.libraries
Make sure each library path is initialized before service startup. The directories of the libraries to serve. They must be readable for the user under which the server runs. See the **calibredb documentation** for details.

Type: list of absolute path

Default:

```
[
  "/var/lib/calibre-server"
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/calibre−server.nix>

services.calibre−server.openFirewall
Open ports in the firewall for the Calibre Server web interface.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/calibre−server.nix>

services.calibre−server.port
The port on which to listen for connections. See the **calibre−server documentation** for details.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/misc/calibre−server.nix>

services.calibre−server.user
The user under which calibre−server runs.

Type: string

Default:

```
"calibre-server"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/calibre−server.nix>

services.calibre−web.enable
Whether to enable Calibre−Web.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/calibre−web.nix>

services.calibre−web.package
The calibre−web package to use.

Type: package

Default:

```
pkgs.calibre−web
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/calibre−web.nix>

services.calibre−web.calibrePackage
The calibre package to use.

Type: package

Default:

```
pkgs.calibre
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/calibre−web.nix>

services.calibre−web.dataDir
Where Calibre−Web stores its data. Either an absolute path, or the directory name below */var/lib*.

Type: string

Default:

```
"calibre−web"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/calibre−web.nix>

services.calibre−web.group
Group account under which Calibre−Web runs.

Type: string

Default:

```
"calibre−web"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/calibre−web.nix>

services.calibre−web.listen.ip
IP address that Calibre−Web should listen on.

Type: string

Default:

```
"::1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/calibre−web.nix>

services.calibre−web.listen.port
Listen port for Calibre−Web.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8083
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/calibre−web.nix>

services.calibre−web.openFirewall
Open ports in the firewall for the server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/calibre−web.nix>

services.calibre−web.options.enableBookConversion
Configure path to the Calibre's ebook−convert in the DB.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/calibre−web.nix>

services.calibre−web.options.enableBookUploading
Allow books to be uploaded via Calibre−Web UI.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/calibre−web.nix>

services.calibre−web.options.enableKepubify
Whether to enable kepub conversion support.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/calibre−web.nix>

services.calibre−web.options.calibreLibrary
Path to Calibre library.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/calibre−web.nix>

services.calibre−web.options.reverseProxyAuth.enable
Enable authorization using auth proxy.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/calibre−web.nix>

services.calibre−web.options.reverseProxyAuth.header
Auth proxy header name.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/calibre−web.nix>

services.calibre−web.user
User account under which Calibre−Web runs.

Type: string

Default:

```
"calibre-web"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/calibre−web.nix>

services.canaille.enable
Whether to enable Canaille.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/canaille.nix>

services.canaille.package
The canaille package to use.

Type: package

Default:

```
pkgs.canaille
```

Declared by:
<nixpkgs/nixos/modules/services/security/canaille.nix>

services.canaille.jwtPrivateKeyFile

File containing the JWT private key. Make sure it has appropriate permissions.

You can generate one using

```
openssl genrsa -out private.pem 4096
openssl rsa -in private.pem -pubout -outform PEM -out public.pe \
m
```

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/canaille.nix>

services.canaille.ldapBindPasswordFile

File containing the LDAP bind password.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/canaille.nix>

services.canaille.secretKeyFile

File containing the Flask secret key. Its content is going to be provided to Canaille as 'SECRET_KEY'. Make sure it has appropriate permissions. For example, copy the output of this to the specified file:

```
python3 -c 'import secrets; print(secrets.token_hex())'
```

Type: absolute path

Declared by:

<nixpkgs/nixos/modules/services/security/canaille.nix>

services.canaille.settings

Settings for Canaille. See **the documentation** for details.

Type: open submodule of (TOML value)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/security/canaille.nix>

services.canaille.settings.CANAILLE.ACL

Access Control Lists.

See also **the documentation**.

Type: null or (open submodule of (TOML value))

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/canaille.nix>

services.canaille.settings.CANAILLE.SMTP

SMTP configuration. By default, sending emails is not enabled.

Set to an empty attrs to send emails from localhost without authentication.

See also **the documentation**.

Type: null or (open submodule of (TOML value))

Default:

```
null
```

Example:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/security/canaille.nix>

services.canaille.settings.CANAILLE.SMTP.PASSWORD

SMTP Password. Can't be set and has to be provided using 'services.canaille.smtpPasswordFile'.

Type: null or string *(read only)*

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/canaille.nix>

services.canaille.settings.CANAILLE_LDAP

Configuration for the LDAP backend. This storage backend is not yet supported by the module, so use at your own risk!

Type: null or (open submodule of (TOML value))

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/canaille.nix>

services.canaille.settings.CANAILLE_LDAP.BIND_PW

The LDAP bind password. Can't be set and has to be provided using 'services.canaille.ldapBindPasswordFile'.

Type: null or string *(read only)*

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/canaille.nix>

services.canaille.settings.CANAILLE_OIDC

OpenID Connect settings. See **the documentation**.

Type: null or (open submodule of (TOML value))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/canaille.nix>

services.canaille.settings.CANAILLE_OIDC.JWT.PRIVATE_KEY
JWT private key. Can't be set and has to be provided using 'services.canaille.jwtPrivateKeyFile'.

Type: null or string *(read only)*

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/canaille.nix>

services.canaille.settings.CANAILLE_SQL.DATABASE_URI
The SQL server URI. Will configure a local PostgreSQL db if left to default. Please note that the NixOS module only really supports PostgreSQL for now. Change at your own risk!

Type: string

Default:

```
"postgresql://localhost/canaille?host=/run/postgresql"
```

Declared by:
<nixpkgs/nixos/modules/services/security/canaille.nix>

services.canaille.settings.PREFERRED_URL_SCHEME
The url scheme by which canaille will be served.

Type: one of "http", "https"

Default:

```
"https"
```

Declared by:
<nixpkgs/nixos/modules/services/security/canaille.nix>

services.canaille.settings.SECRET_KEY
Flask Secret Key. Can't be set and must be provided through 'services.canaille.settings.secretKeyFile'.

Type: null or string *(read only)*

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/canaille.nix>

services.canaille.settings.SERVER_NAME
The domain name on which canaille will be served.

Type: string

Example:

```
"auth.example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/security/canaille.nix>

services.canaille.smtpPasswordFile

File containing the SMTP password. Make sure it has appropriate permissions.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/canaille.nix>

services.canto−daemon.enable

Whether to enable the canto RSS daemon.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/canto−daemon.nix>

services.cassandra.enable

Whether to enable Apache Cassandra – Scalable and highly available database .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/databases/cassandra.nix>

services.cassandra.package

The cassandra package to use.

Type: package

Default:

```
pkgs.cassandra
```

Example:

```
cassandra_4
```

Declared by:

<nixpkgs/nixos/modules/services/databases/cassandra.nix>

services.cassandra.allowClients

Enables or disables the native transport server (CQL binary protocol). This server uses the same address as the **rpcAddress**, but the port it uses is not ‘rpc_port’ but ‘native_transport_port’. See the official Cassandra docs for more information on these variables and set them using **extraConfig**.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/databases/cassandra.nix>

services.cassandra.clusterName
The name of the cluster. This setting prevents nodes in one logical cluster from joining another. All nodes in a cluster must have the same value.

Type: string

Default:

```
"Test Cluster"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/cassandra.nix>

services.cassandra.extraConfig
Extra options to be merged into *cassandra.yaml* as nix attribute set.

Type: attribute set

Default:

```
{ }
```

Example:

```
{
  commitlog_sync_batch_window_in_ms = 3;
}
```

Declared by:
<nixpkgs/nixos/modules/services/databases/cassandra.nix>

services.cassandra.extraEnvSh
Extra shell lines to be appended onto *cassandra-env.sh*.

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
"CLASSPATH=$CLASSPATH:${extraJar}"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/cassandra.nix>

services.cassandra.fullRepairInterval
Set the interval how often full repairs are run, i.e. **nodetool repair --full** is executed. See **https://cassandra.apache.org/doc/latest/operating/repair.html** for more information.

Set to 'null' to disable full repairs.

Type: null or string

Default:

```
"3w"
```

Example:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/databases/cassandra.nix>

services.cassandra.fullRepairOptions
Options passed through to the full repair command.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--partitioner-range"
]
```

Declared by:
<nixpkgs/nixos/modules/services/databases/cassandra.nix>

services.cassandra.group
Run Apache Cassandra under this group.

Type: string

Default:

```
"cassandra"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/cassandra.nix>

services.cassandra.heapNewSize
Must be left blank or set together with **heapNewSize**. If left blank a sensible value for the available amount of RAM and CPU cores is calculated.

Override to set the amount of memory to allocate to the JVM at start−up. For production use you may wish to adjust this for your environment. ‘HEAP_NEWSIZE’ refers to the size of the young generation.

The main trade−off for the young generation is that the larger it is, the longer GC pause times will be. The shorter it is, the more expensive GC will be (usually).

The example ‘HEAP_NEWSIZE’ assumes a modern 8−core+ machine for decent pause times. If in doubt, and if you do not particularly want to tweak, go with 100 MB per physical CPU core.

Type: null or string

Default:

```
null
```

Example:

```
"800M"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/cassandra.nix>

services.cassandra.homeDir
Home directory for Apache Cassandra.

Type: absolute path

Default:

```
"/var/lib/cassandra"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/cassandra.nix>

services.cassandra.incrementalRepairInterval
Set the interval how often incremental repairs are run, i.e. **nodetool repair** is executed. See **https://cassandra.apache.org/doc/latest/operating/repair.html** for more information.

Set to 'null' to disable incremental repairs.

Type: null or string

Default:

```
"3d"
```

Example:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/databases/cassandra.nix>

services.cassandra.incrementalRepairOptions
Options passed through to the incremental repair command.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--partitioner-range"
]
```

Declared by:
<nixpkgs/nixos/modules/services/databases/cassandra.nix>

services.cassandra.jmxPort
Specifies the default port over which Cassandra will be available for JMX connections. For security reasons, you should not expose this port to the internet. Firewall it if needed.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
7199
```

Declared by:
<nixpkgs/nixos/modules/services/databases/cassandra.nix>

services.cassandra.jmxRoles
Roles that are allowed to access the JMX (e.g. **nodetool**) BEWARE: The passwords will be stored world readable in the nix store. It's recommended to use your own protected file using **jmxRolesFile**

Doesn't work in versions older than 3.11 because they don't like that it's world readable.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/databases/cassandra.nix>

services.cassandra.jmxRoles.*.password
Password for JMX

Type: string

Declared by:
<nixpkgs/nixos/modules/services/databases/cassandra.nix>

services.cassandra.jmxRoles.*.username
Username for JMX

Type: string

Declared by:
<nixpkgs/nixos/modules/services/databases/cassandra.nix>

services.cassandra.jmxRolesFile
Specify your own jmx roles file.

Type: null or absolute path

Default:

```
"generated configuration file"
```

Example:

```
"/var/lib/cassandra/jmx.password"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/cassandra.nix>

services.cassandra.jvmOpts
Populate the 'JVM_OPT' environment variable.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/databases/cassandra.nix>

services.cassandra.listenAddress
Address or interface to bind to and tell other Cassandra nodes to connect to. You *must* change this if you want multiple nodes to be able to communicate!

Set **listenAddress** OR **listenInterface**, not both.

Leaving it blank leaves it up to 'InetAddress.getLocalHost()'. This will always do the "Right Thing" *if* the node is properly configured (hostname, name resolution, etc), and the Right Thing is to use the address associated with the hostname (it might not be).

Setting **listenAddress** to '0.0.0.0' is always wrong.

Type: null or string

Default:

```
"127.0.0.1"
```

Example:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/databases/cassandra.nix>

services.cassandra.listenInterface
Set ‘listenAddress’ OR ‘listenInterface’, not both. Interfaces must correspond to a single address, IP aliasing is not supported.

Type: null or string

Default:

```
null
```

Example:

```
"eth1"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/cassandra.nix>

services.cassandra.logbackConfig
XML logback configuration for cassandra

Type: strings concatenated with “\n”

Default:

```
  <configuration scan="false">
    <appender name="STDOUT" class="ch.qos.logback.core.ConsoleAppen \
der">
      <encoder>
        <pattern>%-5level %date{HH:mm:ss,SSS} %msg%n</pattern>
      </encoder>
    </appender>

    <root level="INFO">
      <appender-ref ref="STDOUT" />
    </root>

    <logger name="com.thinkaurelius.thrift" level="ERROR"/>
  </configuration>
```

Declared by:
<nixpkgs/nixos/modules/services/databases/cassandra.nix>

services.cassandra.mallocArenaMax
Set this to control the amount of arenas per-thread in glibc.

Type: null or signed integer

Default:

```
null
```

Example:

```
4
```

Declared by:
<nixpkgs/nixos/modules/services/databases/cassandra.nix>

services.cassandra.maxHeapSize

Must be left blank or set together with **heapNewSize**. If left blank a sensible value for the available amount of RAM and CPU cores is calculated.

Override to set the amount of memory to allocate to the JVM at start−up. For production use you may wish to adjust this for your environment. ‘MAX_HEAP_SIZE’ is the total amount of memory dedicated to the Java heap. ‘HEAP_NEWSIZE’ refers to the size of the young generation.

The main trade−off for the young generation is that the larger it is, the longer GC pause times will be. The shorter it is, the more expensive GC will be (usually).

Type: null or string

Default:

```
null
```

Example:

```
"4G"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/cassandra.nix>

services.cassandra.remoteJmx

Cassandra ships with JMX accessible *only* from localhost. To enable remote JMX connections set to true.

Be sure to also enable authentication and/or TLS. See: **https://wiki.apache.org/cassandra/JmxSecurity**

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/databases/cassandra.nix>

services.cassandra.rpcAddress

The address or interface to bind the native transport server to.

Set **rpcAddress** OR **rpcInterface**, not both.

Leaving **rpcAddress** blank has the same effect as on **listenAddress** (i.e. it will be based on the configured hostname of the node).

Note that unlike **listenAddress**, you can specify ‘"0.0.0.0"’, but you must also set ‘extraConfig.broadcast_rpc_address’ to a value other than ‘"0.0.0.0"’.

For security reasons, you should not expose this port to the internet. Firewall it if needed.

Type: null or string

Default:

```
"127.0.0.1"
```

Example:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/databases/cassandra.nix>

services.cassandra.rpcInterface

Set **rpcAddress** OR **rpcInterface**, not both. Interfaces must correspond to a single address, IP aliasing is not supported.

Type: null or string

Default:

```
null
```

Example:

```
"eth1"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/cassandra.nix>

services.cassandra.seedAddresses

The addresses of hosts designated as contact points in the cluster. A joining node contacts one of the nodes in the seeds list to learn the topology of the ring. Set to '["127.0.0.1"]' for a single node cluster.

Type: list of string

Default:

```
[
  "127.0.0.1"
]
```

Declared by:

<nixpkgs/nixos/modules/services/databases/cassandra.nix>

services.cassandra.user

Run Apache Cassandra under this user.

Type: string

Default:

```
"cassandra"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/cassandra.nix>

services.castopod.enable

Whether to enable Castopod, a hosting platform for podcasters.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/castopod.nix>

services.castopod.package

The castopod package to use.

Type: package

Default:

```
pkgs.castopod
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/castopod.nix>

services.castopod.configureNginx
Configure nginx as a reverse proxy for CastoPod.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/castopod.nix>

services.castopod.dataDir
The path where castopod stores all data. This path must be in sync with the castopod package (where it is hardcoded during the build in accordance with its own ‘dataDir’ argument).

Type: absolute path

Default:

```
"/var/lib/castopod"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/castopod.nix>

services.castopod.database.createLocally
Create the database and database user locally.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/castopod.nix>

services.castopod.database.hostname
Database hostname.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/castopod.nix>

services.castopod.database.name
Database name.

Type: string

Default:

```
"castopod"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/castopod.nix>

services.castopod.database.passwordFile

A file containing the password corresponding to **services.castopod.database.user**.

This file is loaded using systemd LoadCredentials.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/castopod-dbpassword"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/castopod.nix>

services.castopod.database.user

Database user.

Type: string

Default:

```
"castopod"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/castopod.nix>

services.castopod.environmentFile

Environment file to inject e.g. secrets into the configuration. See [1] for available environment variables.

This file is loaded using systemd LoadCredentials.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/castopod-env"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/castopod.nix>

1. https://code.castopod.org/adaures/castopod/-/blob/main/.env.example

services.castopod.localDomain

The domain serving your CastoPod instance.

Type: string

Example:

```
"castopod.example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/castopod.nix>

services.castopod.maxUploadSize

Maximum supported size for a file upload in. Maximum HTTP body size is set to this value for nginx and PHP (because castopod doesn't support chunked uploads yet: https://code.castopod.org/adaures/castopod/-/issues/330).

Note, that practical upload size limit is smaller. For example, with 512 MiB setting - around 500 MiB is possible.

Type: string

Default:

```
"512M"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/castopod.nix>

services.castopod.poolSettings
Options for Castopod's PHP pool. See the documentation on 'php−fpm.conf' for details on configuration directives.

Type: attribute set of (string or signed integer or boolean)

Default:

```
{
  pm = "dynamic";
  "pm.max_children" = "32";
  "pm.max_requests" = "500";
  "pm.max_spare_servers" = "4";
  "pm.min_spare_servers" = "2";
  "pm.start_servers" = "2";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/castopod.nix>

services.castopod.settings
Environment variables used for Castopod. See [1] for available environment variables.

Type: attribute set of (string or signed integer or boolean)

Default:

```
{ }
```

Example:

```
{
  "email.SMTPHost" = "localhost";
  "email.SMTPUser" = "myuser";
  "email.fromEmail" = "castopod@example.com";
  "email.protocol" = "smtp";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/castopod.nix>

1. https://code.castopod.org/adaures/castopod/−/blob/main/.env.example

services.cato−client.enable
Whether to enable cato−client service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cato−client.nix>

services.cato−client.package
The cato−client package to use.

Type: package

Default:

```
pkgs.cato−client
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cato−client.nix>

services.centrifugo.enable
Whether to enable Centrifugo messaging server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/centrifugo.nix>

services.centrifugo.package
The centrifugo package to use.

Type: package

Default:

```
pkgs.centrifugo
```

Declared by:
<nixpkgs/nixos/modules/services/networking/centrifugo.nix>

services.centrifugo.credentials
Environment variables with absolute paths to credentials files to load on service startup.

Type: attribute set of absolute path

Default:

```
{ }
```

Example:

```
{
  CENTRIFUGO_UNI_GRPC_TLS_KEY = "/run/keys/centrifugo−uni−grpc−t \
ls.key";
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/centrifugo.nix>

services.centrifugo.environmentFiles
Files to load environment variables from. Options set via environment variables take precedence over **settings**.

See the **Centrifugo documentation** for the environment variable name format.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/centrifugo.nix>

services.centrifugo.extraGroups

Additional groups for the systemd service.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "redis-centrifugo"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/centrifugo.nix>

services.centrifugo.settings

Declarative Centrifugo configuration. See the **Centrifugo documentation** for a list of options.

Type: JSON value

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/centrifugo.nix>

services.ceph.enable

Whether to enable Ceph global configuration.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/network-filesystems/ceph.nix>

services.ceph.client.enable

Whether to enable Ceph client configuration.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/network-filesystems/ceph.nix>

services.ceph.client.extraConfig

Extra configuration to add to the client section. Configuration for rados gateways would be added here, with their own sections, see example.

Type: attribute set of attribute set of string

Default:

```
{ }
```

Example:

```
{
  # This would create a section for a radosgw daemon named node0 an \
d related
  # configuration for it
  "client.radosgw.node0" = { "some config option" = "true"; };
};
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/ceph.nix>

services.ceph.extraConfig

Extra configuration to add to the global section. Use for setting values that are common for all daemons in the cluster.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  "ms bind ipv6" = "true";
}
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/ceph.nix>

services.ceph.global.authClientRequired

Enables requiring the cluster to authenticate itself to the client.

Type: one of “cephx”, “none”

Default:

```
"cephx"
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/ceph.nix>

services.ceph.global.authClusterRequired

Enables requiring daemons to authenticate with eachother in the cluster.

Type: one of “cephx”, “none”

Default:

```
"cephx"
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/ceph.nix>

services.ceph.global.authServiceRequired

Enables requiring clients to authenticate with the cluster to access services in the cluster (e.g. radosgw, mds or osd).

Type: one of “cephx”, “none”

Default:

```
"cephx"
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/ceph.nix>

services.ceph.global.clusterName

Name of cluster

Type: string

Default:

```
"ceph"
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/ceph.nix>

services.ceph.global.clusterNetwork

A comma−separated list of subnets that will be used as cluster networks in the cluster.

Type: null or strings concatenated with “,”

Default:

```
null
```

Example:

```
10.10.0.0/24, 192.168.0.0/24
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/ceph.nix>

services.ceph.global.fsid

Filesystem ID, a generated uuid, its must be generated and set before attempting to start a cluster

Type: string

Example:

```
433a2193−4f8a−47a0−95d2−209d7ca2cca5
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/ceph.nix>

services.ceph.global.maxOpenFiles

Max open files for each OSD daemon.

Type: signed integer

Default:

```
131072
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/ceph.nix>

services.ceph.global.mgrModulePath
Path at which to find ceph−mgr modules.

Type: absolute path

Default:

```
"${pkgs.ceph.lib}/lib/ceph/mgr"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/ceph.nix>

services.ceph.global.monHost
List of hostname shortnames/IP addresses of the initial monitors.

Type: null or strings concatenated with “,”

Default:

```
null
```

Example:

```
10.10.0.1, 10.10.0.2, 10.10.0.3
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/ceph.nix>

services.ceph.global.monInitialMembers
List of hosts that will be used as monitors at startup.

Type: null or strings concatenated with “,”

Default:

```
null
```

Example:

```
node0, node1, node2
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/ceph.nix>

services.ceph.global.publicNetwork
A comma−separated list of subnets that will be used as public networks in the cluster.

Type: null or strings concatenated with “,”

Default:

```
null
```

Example:

```
10.20.0.0/24, 192.168.1.0/24
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/ceph.nix>

services.ceph.global.rgwMimeTypesFile
Path to mime types used by radosgw.

Type: null or absolute path

Default:

```
"${pkgs.mailcap}/etc/mime.types"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/ceph.nix>

services.ceph.mds.enable
Whether to enable Ceph MDS daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/ceph.nix>

services.ceph.mds.package
The ceph package to use.

Type: package

Default:

```
pkgs.ceph
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/ceph.nix>

services.ceph.mds.daemons
A list of metadata service daemons that should have a service created. The names correspond to the id part in ceph i.e. [“name1”] would result in mds.name1

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "name1"
  "name2"
]
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/ceph.nix>

services.ceph.mds.extraConfig
Extra configuration to add to the MDS section.

Type: attribute set of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/ceph.nix>

services.ceph.mgr.enable

Whether to enable Ceph MGR daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/ceph.nix>

services.ceph.mgr.package

The ceph package to use.

Type: package

Default:

```
pkgs.ceph
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/ceph.nix>

services.ceph.mgr.daemons

A list of names for manager daemons that should have a service created. The names correspond to the id part in ceph i.e. [“name1”] would result in mgr.name1

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "name1"
  "name2"
]
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/ceph.nix>

services.ceph.mgr.extraConfig

Extra configuration to add to the global section for manager daemons.

Type: attribute set of string

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/ceph.nix>

services.ceph.mon.enable

Whether to enable Ceph MON daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/ceph.nix>

services.ceph.mon.package
The ceph package to use.

Type: package

Default:

```
pkgs.ceph
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/ceph.nix>

services.ceph.mon.daemons
A list of monitor daemons that should have a service created. The names correspond to the id part in ceph i.e. [“name1”] would result in mon.name1

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "name1"
  "name2"
]
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/ceph.nix>

services.ceph.mon.extraConfig
Extra configuration to add to the monitor section.

Type: attribute set of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/ceph.nix>

services.ceph.osd.enable
Whether to enable Ceph OSD daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/ceph.nix>

services.ceph.osd.package

The ceph package to use.

Type: package

Default:

```
pkgs.ceph
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/ceph.nix>

services.ceph.osd.daemons

A list of OSD daemons that should have a service created. The names correspond to the id part in ceph i.e. [“name1”] would result in osd.name1

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "name1"
  "name2"
]
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/ceph.nix>

services.ceph.osd.extraConfig

Extra configuration to add to the OSD section.

Type: attribute set of string

Default:

```
{
  "osd crush chooseleaf type" = "1";
  "osd journal size" = "10000";
  "osd pool default min size" = "2";
  "osd pool default pg num" = "200";
  "osd pool default pgp num" = "200";
  "osd pool default size" = "3";
}
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/ceph.nix>

services.ceph.rgw.enable

Whether to enable Ceph RadosGW daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/ceph.nix>

services.ceph.rgw.package
The ceph package to use.

Type: package

Default:

```
pkgs.ceph
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/ceph.nix>

services.ceph.rgw.daemons
A list of rados gateway daemons that should have a service created. The names correspond to the id part in ceph i.e. [“name1”] would result in client.name1, radosgw daemons aren’t daemons to cluster in the sense that OSD, MGR or MON daemons are. They are simply daemons, from ceph, that uses the cluster as a backend.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "name1"
  "name2"
]
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/ceph.nix>

services.certmgr.enable
Whether to enable certmgr.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/certmgr.nix>

services.certmgr.package
The certmgr package to use.

Type: package

Default:

```
pkgs.certmgr
```

Declared by:
<nixpkgs/nixos/modules/services/security/certmgr.nix>

services.certmgr.defaultRemote

The default CA host:port to use.

Type: string

Default:

```
"127.0.0.1:8888"
```

Declared by:

<nixpkgs/nixos/modules/services/security/certmgr.nix>

services.certmgr.metricsAddress

The address for the Prometheus HTTP endpoint.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/security/certmgr.nix>

services.certmgr.metricsPort

The port for the Prometheus HTTP endpoint.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9488
```

Declared by:

<nixpkgs/nixos/modules/services/security/certmgr.nix>

services.certmgr.renewInterval

How often to check certificate expirations and how often to update the cert_next_expires metric.

Type: string

Default:

```
"30m"
```

Declared by:

<nixpkgs/nixos/modules/services/security/certmgr.nix>

services.certmgr.specs

Certificate specs as described by: **https://github.com/cloudflare/certmgr#certificate−specs** These will be added to the Nix store, so they will be world readable.

Type: attribute set of (absolute path or (submodule))

Default:

```
{ }
```

Example:

```
{
  exampleCert =
  let
    domain = "example.com";
    secret = name: "/var/lib/secrets/${name}.pem";
  in {
    service = "nginx";
    action = "reload";
```

```
      authority = {
        file.path = secret "ca";
      };
      certificate = {
        path = secret domain;
      };
      private_key = {
        owner = "root";
        group = "root";
        mode = "0600";
        path = secret "${domain}-key";
      };
      request = {
        CN = domain;
        hosts = [ "mail.${domain}" "www.${domain}" ];
        key = {
          algo = "rsa";
          size = 2048;
        };
        names = {
          O = "Example Organization";
          C = "USA";
        };
      };
    };
    otherCert = "/var/certmgr/specs/other-cert.json";
  }
```

Declared by:

<nixpkgs/nixos/modules/services/security/certmgr.nix>

services.certmgr.svcManager

This specifies the service manager to use for restarting or reloading services. See: **https://github.com/cloudflare/certmgr#certmgryaml**. For how to use the "command" service manager in particular, see: **https://github.com/cloudflare/certmgr#command-svcmgr-and-how-to-use-it**.

Type: one of "circus", "command", "dummy", "openrc", "systemd", "sysv"

Default:

```
"systemd"
```

Declared by:

<nixpkgs/nixos/modules/services/security/certmgr.nix>

services.certmgr.validMin

The interval before a certificate expires to start attempting to renew it.

Type: string

Default:

```
"72h"
```

Declared by:

<nixpkgs/nixos/modules/services/security/certmgr.nix>

services.certspotter.enable

Whether to enable Cert Spotter, a Certificate Transparency log monitor.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/certspotter.nix>

services.certspotter.package

The certspotter package to use.

Type: package

Default:

```
pkgs.certspotter
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/certspotter.nix>

services.certspotter.emailRecipients

A list of email addresses to send certificate updates to.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/certspotter.nix>

services.certspotter.extraFlags

Extra command−line arguments to pass to Cert Spotter

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-no_save"
]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/certspotter.nix>

services.certspotter.hooks

Scripts to run upon the detection of a new certificate. See ‘man 8 certspotter−script’ or **the GitHub page** for more info.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[
  (pkgs.writeShellScript "certspotter-hook" ''
    echo "Event summary: $SUMMARY."
  '')
]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/certspotter.nix>

services.certspotter.sendmailPath
Path to the 'sendmail' binary. By default, the local sendmail wrapper is used (see **services.mail.sendmailSetuidWrapper**}).

Type: null or absolute path

Default:

```
null
```

Example:

```
"${pkgs.system-sendmail}/bin/sendmail"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/certspotter.nix>

services.certspotter.startAtEnd
Whether to skip certificates issued before the first launch of Cert Spotter. Setting this to 'false' will cause Cert Spotter to download tens of terabytes of data.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/certspotter.nix>

services.certspotter.watchlist
Domain names to watch. To monitor a domain with all subdomains, prefix its name with '.' (e.g. '.example.org').

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  ".example.org"
  "another.example.com"
]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/certspotter.nix>

services.cfdyndns.enable
Whether to enable Cloudflare Dynamic DNS Client.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/cfdyndns.nix>

services.cfdyndns.apiTokenFile
The path to a file containing the API Token used to authenticate with CloudFlare.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/cfdyndns.nix>

services.cfdyndns.apikeyFile
The path to a file containing the API Key used to authenticate with CloudFlare.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/cfdyndns.nix>

services.cfdyndns.email
The email address to use to authenticate to CloudFlare.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/misc/cfdyndns.nix>

services.cfdyndns.records
The records to update in CloudFlare.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "host.tld"
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/cfdyndns.nix>

services.cfssl.enable
Whether to enable the CFSSL CA api−server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/cfssl.nix>

services.cfssl.address
Address to bind.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/security/cfssl.nix>

services.cfssl.ca
CA used to sign the new certificate – accepts '[file:]fname' or 'env:varname'.

Type: string

Default:

```
"${cfg.dataDir}/ca.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/security/cfssl.nix>

services.cfssl.caBundle
Path to root certificate store.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/cfssl.nix>

services.cfssl.caKey
CA private key – accepts '[file:]fname' or 'env:varname'.

Type: string

Default:

```
"file:${cfg.dataDir}/ca-key.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/security/cfssl.nix>

services.cfssl.configFile
Path to configuration file. Do not put this in nix−store as it might contain secrets.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/cfssl.nix>

services.cfssl.dataDir
The work directory for CFSSL.

Note
If left as the default value this directory will automatically be created before the CFSSL server starts, otherwise you are responsible for ensuring the directory exists with appropriate ownership

and permissions.

Type: absolute path

Default:

```
"/var/lib/cfssl"
```

Declared by:
<nixpkgs/nixos/modules/services/security/cfssl.nix>

services.cfssl.dbConfig
Certificate db configuration file. Path must be writeable.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/cfssl.nix>

services.cfssl.disable
Endpoints to disable (comma−separated list)

Type: null or strings concatenated with “,”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/cfssl.nix>

services.cfssl.intBundle
Path to intermediate certificate store.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/cfssl.nix>

services.cfssl.intDir
Intermediates directory.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/cfssl.nix>

services.cfssl.logLevel
Log level (0 = DEBUG, 5 = FATAL).

Type: integer between 0 and 5 (both inclusive)

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/security/cfssl.nix>

services.cfssl.metadata
Metadata file for root certificate presence. The content of the file is a json dictionary (k,v): each key k is a SHA−1 digest of a root certificate while value v is a list of key store filenames.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/cfssl.nix>

services.cfssl.mutualTlsCa
Mutual TLS − require clients be signed by this CA.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/cfssl.nix>

services.cfssl.mutualTlsClientCert
Mutual TLS − client certificate to call remote instance requiring client certs.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/cfssl.nix>

services.cfssl.mutualTlsClientKey
Mutual TLS − client key to call remote instance requiring client certs. Do not put this in nix−store.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/cfssl.nix>

services.cfssl.mutualTlsCn
Mutual TLS − regex for whitelist of allowed client CNs.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/cfssl.nix>

services.cfssl.port
Port to bind.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8888
```

Declared by:
<nixpkgs/nixos/modules/services/security/cfssl.nix>

services.cfssl.remote
Remote CFSSL server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/cfssl.nix>

services.cfssl.responder
Certificate for OCSP responder.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/cfssl.nix>

services.cfssl.responderKey
Private key for OCSP responder certificate. Do not put this in nix−store.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/cfssl.nix>

services.cfssl.tlsCert
Other endpoint’s CA to set up TLS protocol.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/cfssl.nix>

services.cfssl.tlsKey
Other endpoint’s CA private key. Do not put this in nix−store.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/cfssl.nix>

services.cfssl.tlsRemoteCa
CAs to trust for remote TLS requests.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/cfssl.nix>

services.cgit
Configure cgit instances.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cgit.nix>

services.cgit.<name>.enable
Whether to enable cgit.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cgit.nix>

services.cgit.<name>.package
The cgit package to use.

Type: package

Default:

```
pkgs.cgit
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cgit.nix>

services.cgit.<name>.extraConfig
These lines go to the end of cgitrc verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cgit.nix>

services.cgit.<name>.gitHttpBackend.enable

Whether to bypass cgit and use git−http−backend for HTTP clones. While this enables HTTP clones to use the more efficient smart protocol, it does not support access control via cgit's settings (e.g. the 'ignore' repository setting).

If you want to disallow access to some repositories with this backend, enable 'checkExportOkFiles' and set 'strict−export = "git−daemon−export−ok"' in 'settings'.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/cgit.nix>

services.cgit.<name>.gitHttpBackend.checkExportOkFiles

Whether git−http−backend should only export repositories that contain a 'git−daemon−export−ok' file.

When the backend is enabled and the check is disabled all repositories can be cloned irrespective of cgit's settings (e.g. the 'ignore' repository setting).

When enabled you must also configure 'strict−export = "git−daemon−export−ok"' in 'settings' to make cgit check for the same files.

Type: boolean

Declared by:

<nixpkgs/nixos/modules/services/networking/cgit.nix>

services.cgit.<name>.group

Group to run the cgit service as.

Type: string

Default:

```
"cgit"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/cgit.nix>

services.cgit.<name>.nginx.location

Location to serve cgit under.

Type: string

Default:

```
"/"
```

Example:

```
"/git/"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/cgit.nix>

services.cgit.<name>.nginx.virtualHost

VirtualHost to serve cgit on, defaults to the attribute name.

Type: string

Default:

```
"‹name›"
```

Example:

```
"git.example.com"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/cgit.nix>

services.cgit.<name>.repos

cgit repository settings, see **cgitrc**(5)

Type: attribute set of attribute set of (boolean or signed integer or string)

Default:

```
{ }
```

Example:

```
{
  blah = {
    desc = "An example repository";
    path = "/var/lib/git/example";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/cgit.nix>

services.cgit.<name>.scanPath

A path which will be scanned for repositories.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/lib/git"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/cgit.nix>

services.cgit.<name>.settings

cgit configuration, see **cgitrc**(5)

Type: attribute set of (boolean or signed integer or string or list of (boolean or signed integer or string))

Default:

```
{ }
```

Example:

```
{
  enable-follow-links = true;
  source-filter = "${pkgs.cgit}/lib/cgit/filters/syntax-highlight \
ing.py";
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/cgit.nix>

services.cgit.<name>.user

User to run the cgit service as.

Type: string

Default:

```
"cgit"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/cgit.nix>

services.cgminer.enable

Whether to enable cgminer, an ASIC/FPGA/GPU miner for bitcoin and litecoin.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/cgminer.nix>

services.cgminer.package

The cgminer package to use.

Type: package

Default:

```
pkgs.cgminer
```

Declared by:

<nixpkgs/nixos/modules/services/misc/cgminer.nix>

services.cgminer.config

Additional config

Type: attribute set of (boolean or signed integer)

Default:

```
{ }
```

Example:

```
{
  auto-fan = true;
  auto-gpu = true;
  expiry = 120;
  failover-only = true;
  gpu-threads = 2;
  log = 5;
  queue = 1;
  scan-time = 60;
  temp-histeresys = 3;
}
```

Declared by:

<nixpkgs/nixos/modules/services/misc/cgminer.nix>

services.cgminer.hardware

List of config options for every GPU

Type: list of attribute set of (string or signed integer)

Default:

```
[ ]
```

Example:

```
[
  {
    gpu-engine = "0-985";
    gpu-fan = "0-85";
    gpu-memclock = 860;
    gpu-powertune = 20;
    intensity = 9;
    temp-cutoff = 95;
    temp-overheat = 85;
    temp-target = 75;
  }
  {
    gpu-engine = "0-950";
    gpu-fan = "0-85";
    gpu-memclock = 825;
    gpu-powertune = 20;
    intensity = 9;
    temp-cutoff = 95;
    temp-overheat = 85;
    temp-target = 75;
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/misc/cgminer.nix>

services.cgminer.pools

List of pools where to mine

Type: list of attribute set of string

Default:

```
[ ]
```

Example:

```
[
  {
    password = "X";
    url = "http://p2pool.org:9332";
    username = "17EUZxTvs9uRmPsjPZSYUU3zCz9iwstudk";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/misc/cgminer.nix>

services.cgminer.user
User account under which cgminer runs

Type: string

Default:

```
"cgminer"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/cgminer.nix>

services.changedetection−io.enable
Whether to enable changedetection−io.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/changedetection−io.nix>

services.changedetection−io.package
The changedetection−io package to use.

Type: package

Default:

```
pkgs.changedetection−io
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/changedetection−io.nix>

services.changedetection−io.baseURL
The base url used in notifications and ‘{base_url}’ token.

Type: null or string

Default:

```
null
```

Example:

```
"https://changedetection−io.example"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/changedetection−io.nix>

services.changedetection−io.behindProxy
Enable this option when changedetection−io runs behind a reverse proxy, so that it trusts X−* headers. It is recommend to run changedetection−io behind a TLS reverse proxy.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/changedetection−io.nix>

services.changedetection−io.chromePort

A free port on which webDriverSupport or playwrightSupport listen on localhost.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
4444
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/changedetection−io.nix>

services.changedetection−io.datastorePath

The directory used to store all data for changedetection−io.

Type: string

Default:

```
"/var/lib/changedetection−io"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/changedetection−io.nix>

services.changedetection−io.environmentFile

Securely pass environment variables to changedetection−io.

This can be used to set for example a frontend password reproducible via 'SALTED_PASS' which convinetly also deactivates nags about the hosted version. 'SALTED_PASS' should be 64 characters long while the first 32 are the salt and the second the frontend password. It can easily be retrieved from the settings file when first set via the frontend with the following command: 'jq −r .settings.application.password /var/lib/changedetection−io/url−watches.json'

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/changedetection−io.env"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/changedetection−io.nix>

services.changedetection−io.group

Group account under which changedetection−io runs.

Type: string

Default:

```
"changedetection−io"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/changedetection−io.nix>

services.changedetection−io.listenAddress

Address the server will listen on.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/changedetection−io.nix>

services.changedetection−io.playwrightSupport
Enable support for fetching web pages using playwright and Chromium. This starts a headless Chromium controlled by puppeteer in an oci container.

Note
Playwright can currently leak memory. See **https://github.com/dgtlmoon/changedetection.io/wiki/Playwright−content−fetcher#playwright−memory−leak**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/changedetection−io.nix>

services.changedetection−io.port
Port the server will listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/changedetection−io.nix>

services.changedetection−io.user
User account under which changedetection−io runs.

Type: string

Default:

```
"changedetection-io"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/changedetection−io.nix>

services.changedetection−io.webDriverSupport
Enable support for fetching web pages using WebDriver and Chromium. This starts a headless chromium controlled by puppeteer in an oci container.

Note
Playwright can currently leak memory. See **https://github.com/dgtlmoon/changedetection.io/wiki/Playwright−content−fetcher#playwright−memory−leak**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/changedetection−io.nix>

services.chhoto−url.enable
Whether to enable Chhoto URL.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/chhoto−url.nix>

services.chhoto−url.package
The chhoto−url package to use.

Type: package

Default:

```
pkgs.chhoto−url
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/chhoto−url.nix>

services.chhoto−url.environmentFiles
Files to load environment variables from in addition to **services.chhoto-url.settings**. This is useful to avoid putting secrets into the nix store. See **https://github.com/SinTan1729/chhoto−url/blob/main/compose.yaml** for a list of options.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[
  "/run/secrets/chhoto−url.env"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/chhoto−url.nix>

services.chhoto−url.settings
Configuration of Chhoto URL. See **https://github.com/SinTan1729/chhoto−url/blob/main/compose.yaml** for a list of options.

Type: open submodule of attribute set of (string or signed integer or boolean)

Example:

```
{
  port = 4567;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/chhoto−url.nix>

services.chhoto−url.settings.allow_capital_letters
Whether to allow capital letters in slugs.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/chhoto−url.nix>

services.chhoto-url.settings.cache_control_header
The Cache-Control header to send.

Type: null or string

Default:

```
null
```

Example:

```
"no-cache, private"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/chhoto-url.nix>

services.chhoto-url.settings.custom_landing_directory
The path of a directory which contains a custom landing page.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/chhoto-url.nix>

services.chhoto-url.settings.db_url
The path of the sqlite database.

Type: absolute path

Default:

```
"/var/lib/chhoto-url/urls.sqlite"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/chhoto-url.nix>

services.chhoto-url.settings.disable_frontend
Whether to disable the frontend.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/chhoto-url.nix>

services.chhoto-url.settings.hash_algorithm
The hash algorithm to use for passwords and API keys. Set to ‘null’ if you want to provide these secrets as plaintext.

Type: null or value “Argon2” (singular enum)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/chhoto-url.nix>

services.chhoto-url.settings.port

The port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Example:

```
4567
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/chhoto-url.nix>

services.chhoto-url.settings.public_mode

Whether to enable public mode.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/chhoto-url.nix>

services.chhoto-url.settings.public_mode_expiry_delay

The maximum expiry delay in seconds to force in public mode.

Type: null or (unsigned integer, meaning >=0)

Default:

```
null
```

Example:

```
3600
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/chhoto-url.nix>

services.chhoto-url.settings.redirect_method

The redirect method to use.

Type: one of “TEMPORARY”, “PERMANENT”

Default:

```
"PERMANENT"
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/chhoto-url.nix>

services.chhoto-url.settings.site_url

The URL under which Chhoto URL is externally reachable.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/chhoto-url.nix>

services.chhoto-url.settings.slug_length
The length of auto-generated slugs.

Type: signed integer

Default:

```
8
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/chhoto-url.nix>

services.chhoto-url.settings.slug_style
The slug style to use for auto-generated URLs.

Type: one of “Pair”, “UID”

Default:

```
"Pair"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/chhoto-url.nix>

services.chhoto-url.settings.try_longer_slugs
Whether to try a longer UID upon collision.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/chhoto-url.nix>

services.chisel-server.enable
Whether to enable Chisel Tunnel Server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/chisel-server.nix>

services.chisel-server.authfile
Path to auth.json file

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/chisel-server.nix>

services.chisel−server.backend
HTTP server to proxy normal requests to

Type: null or string

Default:

```
null
```

Example:

```
"http://127.0.0.1:8888"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/chisel−server.nix>

services.chisel−server.host
Address to listen on, falls back to 0.0.0.0

Type: null or string

Default:

```
null
```

Example:

```
"[::1]"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/chisel−server.nix>

services.chisel−server.keepalive
Keepalive interval, falls back to 25s

Type: null or string

Default:

```
null
```

Example:

```
"5s"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/chisel−server.nix>

services.chisel−server.port
Port to listen on, falls back to 8080

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/chisel−server.nix>

services.chisel−server.reverse
Allow clients reverse port forwarding

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/chisel−server.nix>

services.chisel−server.socks5
Allow clients access to internal SOCKS5 proxy

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/chisel−server.nix>

services.chromadb.enable
Whether to enable ChromaDB, an open−source AI application database…

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/databases/chromadb.nix>

services.chromadb.package
The chromadb package to use.

Type: package

Default:

```
pkgs.python3Packages.chromadb
```

Declared by:
<nixpkgs/nixos/modules/services/databases/chromadb.nix>

services.chromadb.dbpath
Location where ChromaDB stores its files

Type: string

Default:

```
"/var/lib/chromadb"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/chromadb.nix>

services.chromadb.host
Defines the IP address by which ChromaDB will be accessible.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/chromadb.nix>

services.chromadb.openFirewall

Whether to automatically open the specified TCP port in the firewall.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/databases/chromadb.nix>

services.chromadb.port

Defined the port number to listen.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8000
```

Declared by:

<nixpkgs/nixos/modules/services/databases/chromadb.nix>

services.chrony.enable

Whether to synchronise your machine's time using chrony. Make sure you disable NTP if you enable this service.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ntp/chrony.nix>

services.chrony.enableMemoryLocking

Whether to add the '−m' flag to lock memory.

Type: boolean

Default:

```
config.environment.memoryAllocator.provider != "graphene−hardened" \
 && config.environment.memoryAllocator.provider != "graphene−harde \
ned−light"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ntp/chrony.nix>

services.chrony.enableNTS

Whether to enable Network Time Security authentication. Make sure it is supported by your selected NTP server(s).

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ntp/chrony.nix>

services.chrony.enableRTCTrimming

Enable tracking of the RTC offset to the system clock and automatic trimming. See also **services.chrony.autotrimThreshold**

> **Note**
> This is not compatible with the 'rtcsync' directive, which naively syncs the RTC time every 11 minutes.
>
> Tracking the RTC drift will allow more precise timekeeping, especially on intermittently running devices, where the RTC is very relevant.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ntp/chrony.nix>

services.chrony.package

The chrony package to use.

Type: package

Default:

```
pkgs.chrony
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ntp/chrony.nix>

services.chrony.autotrimThreshold

Maximum estimated error threshold for the 'rtcautotrim' command. When reached, the RTC will be trimmed. Only used when **services.chrony.enableRTCTrimming** is enabled.

Type: positive integer, meaning >0

Default:

```
30
```

Example:

```
10
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ntp/chrony.nix>

services.chrony.directory

Directory where chrony state is stored.

Type: string

Default:

```
"/var/lib/chrony"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ntp/chrony.nix>

services.chrony.dispatcherScript

Whether to install the chrony NetworkManager dispatcher script to handle connectivity changes.

Type: boolean

Default:

```
config.networking.networkmanager.enable
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ntp/chrony.nix>

services.chrony.extraConfig
Extra configuration directives that should be added to *chrony.conf*

Type: strings concatenated with “\n”

Default:
```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ntp/chrony.nix>

services.chrony.extraFlags
Extra flags passed to the chronyd command.

Type: list of string

Default:
```
[ ]
```

Example:
```
[
  "-s"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ntp/chrony.nix>

services.chrony.initstepslew.enabled
DEPRECATED. Consider using ‘services.chrony.makestep’ instead. Allow chronyd to make a rapid measurement of the system clock error at boot time, and to correct the system clock by stepping before normal operation begins.

Type: boolean

Default:
```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ntp/chrony.nix>

services.chrony.initstepslew.threshold
The threshold of system clock error (in seconds) above which the clock will be stepped. If the correction required is less than the threshold, a slew is used instead.

Type: floating point number or signed integer

Default:
```
1000
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ntp/chrony.nix>

services.chrony.makestep.enable
Allow chronyd to step the system clock if the error is larger than the specified threshold.

Type: boolean

Default:
```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ntp/chrony.nix>

services.chrony.makestep.limit
The maximum number of times the system clock will be stepped.

Type: positive integer, meaning >0

Default:

```
3
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ntp/chrony.nix>

services.chrony.makestep.threshold
The threshold of system clock error (in seconds) above which the clock will be stepped. If the correction required is less than the threshold, a slew is used instead.

Type: floating point number or signed integer

Default:

```
0.1
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ntp/chrony.nix>

services.chrony.serverOption
Set option for server directives.

Use “iburst” to rapidly poll on startup. Recommended if your machine is consistently online.

Use “offline” to prevent polling on startup. Recommended if your machine boots offline or is otherwise frequently offline.

Type: one of “iburst”, “offline”

Default:

```
"iburst"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ntp/chrony.nix>

services.chrony.servers
The set of NTP servers from which to synchronise.

Type: list of string

Default:

```
config.networking.timeServers
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ntp/chrony.nix>

services.cinnamon.apps.enable
Whether to enable Cinnamon default applications.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop−managers/cinnamon.nix>

services.cjdns.enable
Whether to enable the cjdns network encryption and routing engine. A file at /etc/cjdns.keys will be created if it does not exist to contain a random secret key that your IPv6 address will be derived from.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cjdns.nix>

services.cjdns.ETHInterface.beacon
Auto−connect to other cjdns nodes on the same network. Options: 0: Disabled. 1: Accept beacons, this will cause cjdns to accept incoming beacon messages and try connecting to the sender. 2: Accept and send beacons, this will cause cjdns to broadcast messages on the local network which contain a randomly generated per−session password, other nodes which have this set to 1 or 2 will hear the beacon messages and connect automatically.

Type: signed integer

Default:

```
2
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cjdns.nix>

services.cjdns.ETHInterface.bind
Bind to this device for native ethernet operation. ‘all’ is a pseudo−name which will try to connect to all devices.

Type: string

Default:

```
""
```

Example:

```
"eth0"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cjdns.nix>

services.cjdns.ETHInterface.connectTo
Credentials for connecting look similar to UDP credientials except they begin with the mac address.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "01:02:03:04:05:06" = {
    hostname = "homer.hype";
    password = "5kG15EfpdcKNX3f2GSQ0H1HC7yIfxoCoImnO5FHM";
    publicKey = "371zpkgs8ss387tmr81q04mp0hg1skb51hw34vk1cq644mjqhu \
p0.k";
  };
```

```
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cjdns.nix>

services.cjdns.ETHInterface.connectTo.<name>.hostname
Optional hostname to add to /etc/hosts; prevents reverse lookup failures.

Type: string

Default:

```
""
```

Example:

```
"foobar.hype"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cjdns.nix>

services.cjdns.ETHInterface.connectTo.<name>.login
(optional) name your peer has for you

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cjdns.nix>

services.cjdns.ETHInterface.connectTo.<name>.password
Authorized password to the opposite end of the tunnel.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/cjdns.nix>

services.cjdns.ETHInterface.connectTo.<name>.peerName
(optional) human−readable name for peer

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cjdns.nix>

services.cjdns.ETHInterface.connectTo.<name>.publicKey
Public key at the opposite end of the tunnel.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/cjdns.nix>

services.cjdns.UDPInterface.bind
Address and port to bind UDP tunnels to.

Type: string

Default:

```
""
```

Example:

```
"192.168.1.32:43211"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/cjdns.nix>

services.cjdns.UDPInterface.connectTo

Credentials for making UDP tunnels.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "192.168.1.1:27313" = {
    hostname = "homer.hype";
    password = "5kG15EfpdcKNX3f2GSQ0H1HC7yIfxoCoImnO5FHM";
    publicKey = "371zpkgs8ss387tmr81q04mp0hg1skb51hw34vk1cq644mjqhu \
p0.k";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/cjdns.nix>

services.cjdns.UDPInterface.connectTo.<name>.hostname

Optional hostname to add to /etc/hosts; prevents reverse lookup failures.

Type: string

Default:

```
""
```

Example:

```
"foobar.hype"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/cjdns.nix>

services.cjdns.UDPInterface.connectTo.<name>.login

(optional) name your peer has for you

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/networking/cjdns.nix>

services.cjdns.UDPInterface.connectTo.<name>.password

Authorized password to the opposite end of the tunnel.

Type: string

Declared by:

<nixpkgs/nixos/modules/services/networking/cjdns.nix>

services.cjdns.UDPInterface.connectTo.<name>.peerName
(optional) human−readable name for peer

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cjdns.nix>

services.cjdns.UDPInterface.connectTo.<name>.publicKey
Public key at the opposite end of the tunnel.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/cjdns.nix>

services.cjdns.addExtraHosts
Whether to add cjdns peers with an associated hostname to */etc/hosts*. Beware that enabling this incurs heavy eval−time costs.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cjdns.nix>

services.cjdns.admin.bind
Bind the administration port to this address and port.

Type: string

Default:

```
"127.0.0.1:11234"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cjdns.nix>

services.cjdns.authorizedPasswords
Any remote cjdns nodes that offer these passwords on connection will be allowed to route through this node.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "snyrfgkqsc98qh1y4s5hbu0j57xw5s0"
  "z9md3t4p45mfrjzdjurxn4wuj0d8swv"
  "49275fut6tmzu354pq70sr5b95qq0vj"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cjdns.nix>

services.cjdns.confFile

Ignore all other cjdns options and load configuration from this file.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/etc/cjdroute.conf"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/cjdns.nix>

services.cjdns.extraConfig

Extra configuration, given as attrs, that will be merged recursively with the rest of the JSON generated by this module, at the root node.

Type: attribute set

Default:

```
{ }
```

Example:

```
{
  router = {
    interface = {
      tunDevice = "tun10";
    };
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/cjdns.nix>

services.clamav.package

The clamav package to use.

Type: package

Default:

```
pkgs.clamav
```

Declared by:

<nixpkgs/nixos/modules/services/security/clamav.nix>

services.clamav.clamonacc.enable

Whether to enable ClamAV on−access scanner.

The settings for ClamAV's on−access scanner is configured in 'clamd.conf' via 'services.clamav.daemon.settings'. Refer to **https://docs.clamav.net/manual/OnAccess.html** on how to configure it.

Example to scan '/home/foo/Downloads' (and block access until scanning is completed) would be:

```
services.clamav = {
  daemon.enable = true;
  clamonacc.enable = true;
  daemon.settings = {
    OnAccessPrevention = true;
    OnAccessIncludePath = "/home/foo/Downloads";
  };
```

```
};
```

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/clamav.nix>

services.clamav.daemon.enable
Whether to enable ClamAV clamd daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/clamav.nix>

services.clamav.daemon.settings
ClamAV configuration. Refer to **https://linux.die.net/man/5/clamd.conf**, for details on supported values.

Type: attribute set of (boolean or signed integer or string or list of string)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/security/clamav.nix>

services.clamav.fangfrisch.enable
Whether to enable ClamAV fangfrisch updater.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/clamav.nix>

services.clamav.fangfrisch.interval
How often freshclam is invoked. See **systemd.time**(7) for more information about the format.

Type: string

Default:

```
"hourly"
```

Declared by:
<nixpkgs/nixos/modules/services/security/clamav.nix>

services.clamav.fangfrisch.settings
fangfrisch configuration. Refer to **https://rseichter.github.io/fangfrisch/#_configuration**, for details on supported values. Note that by default urlhaus and sanesecurity are enabled.

Type: open submodule of attribute set of attribute set of (string or signed integer or boolean)

Default:

```
{ }
```

Example:

```
{
  securiteinfo = {
    customer_id = "your customer_id";
    enabled = "yes";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/security/clamav.nix>

services.clamav.scanner.enable
Whether to enable ClamAV scanner.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/clamav.nix>

services.clamav.scanner.interval
How often clamdscan is invoked. See **systemd.time**(7) for more information about the format. By default this runs using 10 cores at most, be sure to run it at a time of low traffic.

Type: string

Default:

```
"*-*-* 04:00:00"
```

Declared by:
<nixpkgs/nixos/modules/services/security/clamav.nix>

services.clamav.scanner.scanDirectories
List of directories to scan. The default includes everything I could think of that is valid for nixos. Feel free to contribute a PR to add to the default if you see something missing.

Type: list of string

Default:

```
[
  "/home"
  "/var/lib"
  "/tmp"
  "/etc"
```

```
  "/var/tmp"
]
```

Declared by:
<nixpkgs/nixos/modules/services/security/clamav.nix>

services.clamav.updater.enable
Whether to enable ClamAV freshclam updater.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/clamav.nix>

services.clamav.updater.frequency
Number of database checks per day.

Type: signed integer

Default:

```
12
```

Declared by:
<nixpkgs/nixos/modules/services/security/clamav.nix>

services.clamav.updater.interval
How often freshclam is invoked. See **systemd.time**(7) for more information about the format.

Type: string

Default:

```
"hourly"
```

Declared by:
<nixpkgs/nixos/modules/services/security/clamav.nix>

services.clamav.updater.settings
freshclam configuration. Refer to **https://linux.die.net/man/5/freshclam.conf**, for details on supported values.

Type: attribute set of (boolean or signed integer or string or list of string)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/security/clamav.nix>

services.clatd.enable
Whether to enable clatd.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/clatd.nix>

services.clatd.enableNetworkManagerIntegration
Whether to enable NetworkManager integration.

Type: boolean

Default:

```
"config.networking.networkmanager.enable"
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/clatd.nix>

services.clatd.package
The clatd package to use.

Type: package

Default:

```
pkgs.clatd
```

Declared by:
<nixpkgs/nixos/modules/services/networking/clatd.nix>

services.clatd.settings
Configuration of clatd. See **clatd Documentation**.

Type: open submodule of attribute set of (atom (null, bool, int, float or string))

Default:

```
{ }
```

Example:

```
{
  plat-prefix = "64:ff9b::/96";
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/clatd.nix>

services.clickhouse.enable
Whether to enable ClickHouse database server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/databases/clickhouse.nix>

services.clickhouse.package

The clickhouse package to use.

Type: package

Default:

```
pkgs.clickhouse
```

Example:

```
pkgs.clickhouse-lts
```

Declared by:

<nixpkgs/nixos/modules/services/databases/clickhouse.nix>

services.clickhouse.extraServerConfig

Additional raw XML configuration for ClickHouse server.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
<clickhouse>
  <max_connections>500</max_connections>
  <keep_alive_timeout>3</keep_alive_timeout>
</clickhouse>
```

Declared by:

<nixpkgs/nixos/modules/services/databases/clickhouse.nix>

services.clickhouse.extraUsersConfig

Additional raw XML configuration for ClickHouse server.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
<clickhouse>
  <users>
    <readonly>
      <profile>readonly</profile>
    </readonly>
  </users>
</clickhouse>
```

Declared by:

<nixpkgs/nixos/modules/services/databases/clickhouse.nix>

services.clickhouse.serverConfig

Your *config.yaml* as a Nix attribute set. Check the **documentation** for possible options.

Type: YAML 1.1 value

Default:

```
{ }
```

Example:

```
{
```

```
    http_port = 8123;
    tcp_port = 9000;
    remote_servers = {
      default = {
        shard = {
          replica = [
            { host = "::"; port = "9000"; }
            { host = "::"; port = "9001"; }
            { host = "::"; port = "9002"; }
          ];
        };
      };
    };
  }
```

Declared by:
<nixpkgs/nixos/modules/services/databases/clickhouse.nix>

services.clickhouse.usersConfig
Your *users.yaml* as a Nix attribute set. Check the **documentation** for possible options.

Type: YAML 1.1 value

Default:

```
{ }
```

Example:

```
{
  profiles = {};
  users = {
    default = {
      profile = "default";
      password_sha256_hex = "36dd292533174299fb0c34665df468bb881756 \
ca9eaf9757d0cfde38f9ededa1";  # ‘echo −n verysecret | sha256sum‘
    };
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/databases/clickhouse.nix>

services.clight.enable
Whether to enable clight.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/clight.nix>

services.clight.settings

Additional configuration to extend clight.conf. See **https://github.com/FedeDP/Clight/blob/master/Extra/clight.conf** for a sample configuration file.

Type: attribute set of (null or signed integer or string or boolean or floating point number or list of (signed integer or string or boolean or floating point number) or attribute set of (signed integer or string or boolean or floating point number or list of (signed integer or string or boolean or floating point number)))

Default:

```
{ }
```

Example:

```
{
  ac_capture_timeouts = [
    120
    300
    60
  ];
  captures = 20;
  gamma_long_transition = true;
}
```

Declared by:

<nixpkgs/nixos/modules/services/x11/clight.nix>

services.clight.temperature.day

Colour temperature to use during the day, between ‘1000’ and ‘25000’ K.

Type: signed integer

Default:

```
5500
```

Declared by:

<nixpkgs/nixos/modules/services/x11/clight.nix>

services.clight.temperature.night

Colour temperature to use at night, between ‘1000’ and ‘25000’ K.

Type: signed integer

Default:

```
3700
```

Declared by:

<nixpkgs/nixos/modules/services/x11/clight.nix>

services.clipcat.enable

Whether to enable Clipcat clipboard daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/clipcat.nix>

services.clipcat.package
The clipcat package to use.

Type: package

Default:

```
pkgs.clipcat
```

Declared by:
<nixpkgs/nixos/modules/services/misc/clipcat.nix>

services.clipmenu.enable
Whether to enable clipmenu, the clipboard management daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/clipmenu.nix>

services.clipmenu.package
The clipmenu package to use.

Type: package

Default:

```
pkgs.clipmenu
```

Declared by:
<nixpkgs/nixos/modules/services/misc/clipmenu.nix>

services.cloud−init.enable
Enable the cloud−init service. This services reads configuration metadata in a cloud environment and configures the machine according to this metadata.

This configuration is not completely compatible with the NixOS way of doing configuration, as configuration done by cloud−init might be overridden by a subsequent nixos−rebuild call. However, some parts of cloud−init fall outside of NixOS's responsibility, like filesystem resizing and ssh public key provisioning, and cloud−init is useful for that parts. Thus, be wary that using cloud−init in NixOS might come as some cost.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/system/cloud−init.nix>

services.cloud−init.btrfs.enable
Allow the cloud−init service to operate ‘btrfs’ filesystem.

Type: boolean

Default:

```
hasFs "btrfs"
```

Declared by:
<nixpkgs/nixos/modules/services/system/cloud−init.nix>

services.cloud−init.config
raw cloud−init configuration.

Takes precedence over the ‘settings’ option if set.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/system/cloud−init.nix>

services.cloud−init.ext4.enable
Allow the cloud−init service to operate ‘ext4’ filesystem.

Type: boolean

Default:

```
hasFs "ext4"
```

Declared by:
<nixpkgs/nixos/modules/services/system/cloud−init.nix>

services.cloud−init.extraPackages
List of additional packages to be available within cloud−init jobs.

Type: list of package

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/system/cloud−init.nix>

services.cloud−init.network.enable
Allow the cloud−init service to configure network interfaces through systemd−networkd.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/system/cloud−init.nix>

services.cloud−init.settings
Structured cloud−init configuration.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/system/cloud−init.nix>

services.cloud−init.xfs.enable
Allow the cloud−init service to operate ‘xfs’ filesystem.

Type: boolean

Default:

```
hasFs "xfs"
```

Declared by:
<nixpkgs/nixos/modules/services/system/cloud−init.nix>

services.cloudflare−ddns.enable
Whether to enable Cloudflare Dynamic DNS service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflare−ddns.nix>

services.cloudflare−ddns.package
The cloudflare−ddns package to use.

Type: package

Default:

```
pkgs.cloudflare−ddns
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflare−ddns.nix>

services.cloudflare−ddns.cacheExpiration
Duration for which API responses (like Zone ID, Record IDs) are cached. Uses Go’s duration format (e.g., “6h”, “1h30m”).

Type: string

Default:

```
"6h"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflare−ddns.nix>

services.cloudflare−ddns.credentialsFile
Path to a file containing the Cloudflare API authentication token. The file content should be in the format ‘CLOUDFLARE_API_TOKEN=YOUR_SECRET_TOKEN’. The service user needs read access to this file. Ensure permissions are secure (e.g., ‘0400’ or ‘0440’) and ownership is appropriate Using ‘CLOUDFLARE_API_TOKEN’ is preferred over the deprecated ‘CF_API_TOKEN’.

Type: absolute path

Example:

```
"/run/secrets/cloudflare−ddns−token"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflare−ddns.nix>

services.cloudflare−ddns.deleteOnStop
Whether to delete the managed DNS records and clear WAF lists when the service is stopped gracefully. Warning: Setting this to true with ‘updateCron = "@once"’ will cause immediate deletion.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflare−ddns.nix>

services.cloudflare−ddns.detectionTimeout
Timeout for detecting the public IP address.

Type: string

Default:

```
"5s"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflare−ddns.nix>

services.cloudflare−ddns.domains
List of domain names (FQDNs) to manage. Wildcards like ‘*.example.com’ are supported. These domains will be managed for both IPv4 and IPv6 unless overridden by ‘ip4Domains’ or ‘ip6Domains’, or if the respective providers are disabled. This corresponds to the ‘DOMAINS’ environment variable.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "home.example.com"
  "*.dynamic.example.org"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflare−ddns.nix>

services.cloudflare−ddns.group
Group under which the service runs.

Type: string

Default:

```
"cloudflare-ddns"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflare−ddns.nix>

services.cloudflare−ddns.healthchecks
URL for Healthchecks.io monitoring endpoint (optional).

Type: null or string

Default:

```
null
```

Example:

```
"https://hc-ping.com/your-uuid"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflare-ddns.nix>

services.cloudflare-ddns.ip4Domains
Explicit list of domains to manage only for IPv4. If set, overrides 'domains' for IPv4. Corresponds to the 'IP4_DOMAINS' environment variable.

Type: null or (list of string)

Default:

```
null
```

Example:

```
[
  "ipv4.example.com"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflare-ddns.nix>

services.cloudflare-ddns.ip6Domains
Explicit list of domains to manage only for IPv6. If set, overrides 'domains' for IPv6. Corresponds to the 'IP6_DOMAINS' environment variable.

Type: null or (list of string)

Default:

```
null
```

Example:

```
[
  "ipv6.example.com"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflare-ddns.nix>

services.cloudflare-ddns.provider.ipv4
IP detection provider for IPv4. Common values: 'cloudflare.trace', 'cloudflare.doh', 'local', 'url:URL', 'none'. Use 'none' to disable IPv4 updates. See cloudflare-ddns documentation for all options.

Type: string

Default:

```
"cloudflare.trace"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflare-ddns.nix>

services.cloudflare-ddns.provider.ipv6
IP detection provider for IPv6. Common values: 'cloudflare.trace', 'cloudflare.doh', 'local', 'url:URL', 'none'. Use 'none' to disable IPv6 updates. See cloudflare-ddns documentation for all options.

Type: string

Default:

```
"cloudflare.trace"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflare−ddns.nix>

services.cloudflare−ddns.proxied
Whether the managed DNS records should be proxied through Cloudflare (‘orange cloud’). Accepts boolean values (‘true’, ‘false’) or a domain expression. See cloudflare−ddns documentation for expression syntax (e.g., “is(a.com) || sub(b.org)”).

Type: string

Default:

```
"false"
```

Example:

```
"true"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflare−ddns.nix>

services.cloudflare−ddns.recordComment
Comment to add to managed DNS records.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflare−ddns.nix>

services.cloudflare−ddns.shoutrrr
List of Shoutrrr notification service URLs (optional).

Type: null or (list of string)

Default:

```
null
```

Example:

```
[
  "discord://token@id"
  "gotify://host/token"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflare−ddns.nix>

services.cloudflare−ddns.ttl
Time To Live (TTL) for the DNS records in seconds. Must be 1 (for automatic) or between 30 and 86400.

Type: positive integer, meaning >0

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflare−ddns.nix>

services.cloudflare−ddns.updateCron
Cron expression for how often to check and update IPs. Use “@once” to run only once and then exit.

Type: string

Default:

```
"@every 5m"
```

Example:

```
"@hourly"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflare−ddns.nix>

services.cloudflare−ddns.updateOnStart
Whether to perform an update check immediately on service start.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflare−ddns.nix>

services.cloudflare−ddns.updateTimeout
Timeout for updating records via the Cloudflare API.

Type: string

Default:

```
"30s"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflare−ddns.nix>

services.cloudflare−ddns.uptimeKuma
URL for Uptime Kuma push monitor endpoint (optional).

Type: null or string

Default:

```
null
```

Example:

```
"https://status.example.com/api/push/tag?status=up&msg=OK&ping="
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflare−ddns.nix>

services.cloudflare−ddns.user
User account under which the service runs.

Type: string

Default:

```
"cloudflare-ddns"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflare−ddns.nix>

services.cloudflare−ddns.wafListDescription

Description for managed WAF lists (used when creating or verifying lists).

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/networking/cloudflare−ddns.nix>

services.cloudflare−ddns.wafLists

List of WAF IP Lists to manage, in the format ‘account−id/list−name’. (Experimental feature as of cloudflare−ddns 1.14.0).

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "YOUR_ACCOUNT_ID/allowed_dynamic_ips"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/cloudflare−ddns.nix>

services.cloudflare−dyndns.enable

Whether to enable Cloudflare Dynamic DNS Client.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/cloudflare−dyndns.nix>

services.cloudflare−dyndns.package

The cloudflare−dyndns package to use.

Type: package

Default:

```
pkgs.cloudflare−dyndns
```

Declared by:

<nixpkgs/nixos/modules/services/networking/cloudflare−dyndns.nix>

services.cloudflare−dyndns.apiTokenFile

The path to a file containing the CloudFlare API token.

Type: absolute path not in the Nix store

Declared by:

<nixpkgs/nixos/modules/services/networking/cloudflare−dyndns.nix>

services.cloudflare−dyndns.deleteMissing
Whether to delete the record when no IP address is found.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflare−dyndns.nix>

services.cloudflare−dyndns.domains
List of domain names to update records for.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflare−dyndns.nix>

services.cloudflare−dyndns.frequency
Run cloudflare−dyndns with the given frequency (see **systemd.time**(7) for the format). If null, do not run automatically.

Type: null or string

Default:

```
"*:0/5"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflare−dyndns.nix>

services.cloudflare−dyndns.ipv4
Whether to enable setting IPv4 A records.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflare−dyndns.nix>

services.cloudflare−dyndns.ipv6
Whether to enable setting IPv6 AAAA records.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflare−dyndns.nix>

services.cloudflare−dyndns.proxied
Whether this is a DNS−only record, or also being proxied through CloudFlare.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflare−dyndns.nix>

services.cloudflare−warp.enable
Whether to enable Cloudflare Zero Trust client daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflare−warp.nix>

services.cloudflare−warp.package
The cloudflare−warp package to use.

Type: package

Default:

```
pkgs.cloudflare−warp
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflare−warp.nix>

services.cloudflare−warp.openFirewall
Whether to enable opening UDP ports in the firewall.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflare−warp.nix>

services.cloudflare−warp.rootDir
Working directory for the warp−svc daemon.

Type: string

Default:

```
"/var/lib/cloudflare−warp"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflare−warp.nix>

services.cloudflare−warp.udpPort
The UDP port to open in the firewall. Warp uses port 2408 by default, but fallback ports can be used if that conflicts with another service. See the **firewall documentation** for the pre−configured available fallback ports.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
2408
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflare−warp.nix>

services.cloudflared.enable
Whether to enable Cloudflare Tunnel client daemon (formerly Argo Tunnel).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflared.nix>

services.cloudflared.package
The cloudflared package to use.

Type: package

Default:

```
pkgs.cloudflared
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflared.nix>

services.cloudflared.certificateFile
Account certificate file, necessary to create, delete and manage tunnels. It can be obtained by running 'cloudflared login'.

Note that this is **necessary** for a fully declarative set up, as routes can not otherwise be created outside of the Cloudflare interface.

See **Cert.pem** for information about the file, and **Tunnel permissions** for a comparison between the account certificate and the tunnel credentials file.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflared.nix>

services.cloudflared.tunnels
Cloudflare tunnels.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "00000000-0000-0000-0000-000000000000" = {
    credentialsFile = "/tmp/test";
    default = "http_status:404";
    ingress = {
      "*.domain1.com" = {
        service = "http://localhost:80";
```

```
        };
      };
    };
  }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflared.nix>

services.cloudflared.tunnels.<name>.certificateFile
Account certificate file, necessary to create, delete and manage tunnels. It can be obtained by running 'cloudflared login'.

Note that this is **necessary** for a fully declarative set up, as routes can not otherwise be created outside of the Cloudflare interface.

See **Cert.pem** for information about the file, and **Tunnel permissions** for a comparison between the account certificate and the tunnel credentials file.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflared.nix>

services.cloudflared.tunnels.<name>.credentialsFile
Credential file.

See **Credentials file**.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflared.nix>

services.cloudflared.tunnels.<name>.default
Catch−all service if no ingress matches.

See 'service'.

Type: string

Example:

```
"http_status:404"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflared.nix>

services.cloudflared.tunnels.<name>.edgeIPVersion
Specifies the IP address version (IPv4 or IPv6) used to establish a connection between 'cloudflared' and the Cloudflare global network.

The value 'auto' relies on the host operating system to determine which IP version to select. The first IP version returned from the DNS resolution of the region lookup will be used as the primary set. In dual IPv6 and IPv4 network setups, 'cloudflared' will separate the IP versions into two address sets that will be used to fallback in connectivity failure scenarios.

See **Tunnel run parameters**.

Type: one of "auto", "4", "6"

Default:

```
"4"
```

Example:

```
"auto"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflared.nix>

services.cloudflared.tunnels.<name>.ingress
Ingress rules.

See **Ingress rules**.

Type: attribute set of (string or (submodule))

Default:

```
{ }
```

Example:

```
{
  "*.anotherone.com" = "http://localhost:80";
  "*.domain.com" = "http://localhost:80";
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflared.nix>

services.cloudflared.tunnels.<name>.originRequest.caPool
Path to the certificate authority (CA) for the certificate of your origin. This option should be used only if your certificate is not signed by Cloudflare.

Type: null or string or absolute path

Default:

```
null
```

Example:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflared.nix>

services.cloudflared.tunnels.<name>.originRequest.connectTimeout
Timeout for establishing a new TCP connection to your origin server. This excludes the time taken to establish TLS, which is controlled by **tlsTimeout**.

Type: null or string

Default:

```
null
```

Example:

```
"30s"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflared.nix>

services.cloudflared.tunnels.<name>.originRequest.disableChunkedEncoding
Disables chunked transfer encoding. Useful if you are running a WSGI server.

Type: null or boolean

Default:

```
null
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflared.nix>

services.cloudflared.tunnels.<name>.originRequest.httpHostHeader
Sets the HTTP ‘Host’ header on requests sent to the local service.

Type: null or string

Default:

```
null
```

Example:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflared.nix>

services.cloudflared.tunnels.<name>.originRequest.keepAliveConnections
Maximum number of idle keepalive connections between Tunnel and your origin. This does not restrict the total number of concurrent connections.

Type: null or signed integer

Default:

```
null
```

Example:

```
100
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflared.nix>

services.cloudflared.tunnels.<name>.originRequest.keepAliveTimeout
Timeout after which an idle keepalive connection can be discarded.

Type: null or string

Default:

```
null
```

Example:

```
"1m30s"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflared.nix>

services.cloudflared.tunnels.<name>.originRequest.noHappyEyeballs
Disable the “happy eyeballs” algorithm for IPv4/IPv6 fallback if your local network has misconfigured one of the protocols.

Type: null or boolean

Default:

```
null
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflared.nix>

services.cloudflared.tunnels.<name>.originRequest.noTLSVerify
Disables TLS verification of the certificate presented by your origin. Will allow any certificate from the origin to be accepted.

Type: null or boolean

Default:

```
null
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflared.nix>

services.cloudflared.tunnels.<name>.originRequest.originServerName
Hostname that 'cloudflared' should expect from your origin server certificate.

Type: null or string

Default:

```
null
```

Example:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflared.nix>

services.cloudflared.tunnels.<name>.originRequest.proxyAddress
'cloudflared' starts a proxy server to translate HTTP traffic into TCP when proxying, for example, SSH or RDP. This configures the listen address for that proxy.

Type: null or string

Default:

```
null
```

Example:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflared.nix>

services.cloudflared.tunnels.<name>.originRequest.proxyPort
'cloudflared' starts a proxy server to translate HTTP traffic into TCP when proxying, for example, SSH or RDP. This configures the listen port for that proxy. If set to zero, an unused port will randomly be chosen.

Type: null or signed integer

Default:

```
null
```

Example:

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflared.nix>

services.cloudflared.tunnels.<name>.originRequest.proxyType
‘cloudflared’ starts a proxy server to translate HTTP traffic into TCP when proxying, for example, SSH or RDP. This configures what type of proxy will be started. Valid options are:

- ‘""’ for the regular proxy
- ‘"socks"’ for a SOCKS5 proxy. Refer to the **tutorial on connecting through Cloudflare Access using kubectl** for more information.

Type: null or one of “”, “socks”

Default:

```
null
```

Example:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflared.nix>

services.cloudflared.tunnels.<name>.originRequest.tcpKeepAlive
The timeout after which a TCP keepalive packet is sent on a connection between Tunnel and the origin server.

Type: null or string

Default:

```
null
```

Example:

```
"30s"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflared.nix>

services.cloudflared.tunnels.<name>.originRequest.tlsTimeout
Timeout for completing a TLS handshake to your origin server, if you have chosen to connect Tunnel to an HTTPS server.

Type: null or string

Default:

```
null
```

Example:

```
"10s"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflared.nix>

services.cloudflared.tunnels.<name>.warp−routing.enabled
Enable warp routing.

See **Connect from WARP to a private network on Cloudflare using Cloudflare Tunnel**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cloudflared.nix>

services.cloudlog.enable
Whether to enable Cloudlog.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cloudlog.nix>

services.cloudlog.baseUrl
Cloudlog base URL

Type: string

Default:

```
"http://localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cloudlog.nix>

services.cloudlog.dataDir
Cloudlog data directory.

Type: string

Default:

```
"/var/lib/cloudlog"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cloudlog.nix>

services.cloudlog.database.createLocally
Create the database and database user locally.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cloudlog.nix>

services.cloudlog.database.host
MySQL database host

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cloudlog.nix>

services.cloudlog.database.name
MySQL database name.

Type: string

Default:

```
"cloudlog"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cloudlog.nix>

services.cloudlog.database.passwordFile
MySQL user password file.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cloudlog.nix>

services.cloudlog.database.user
MySQL user name.

Type: string

Default:

```
"cloudlog"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cloudlog.nix>

services.cloudlog.extraConfig
Any additional text to be appended to the config.php configuration file. This is a PHP script. For configuration settings, see **https://github.com/magicbug/Cloudlog/wiki/Cloudlog.php−Configuration−File**.

Type: string

Default:

```
""
```

Example:

```
$config['show_time'] = TRUE;
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cloudlog.nix>

services.cloudlog.poolConfig
Options for Cloudlog's PHP−FPM pool.

Type: attribute set of (string or signed integer or boolean)

Default:

```
{
  pm = "dynamic";
  "pm.max_children" = 32;
  "pm.max_requests" = 500;
  "pm.max_spare_servers" = 4;
  "pm.min_spare_servers" = 2;
  "pm.start_servers" = 2;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cloudlog.nix>

services.cloudlog.update−clublog−scp.enable
Whether to periodically update the Clublog SCP database. If enabled, a systemd timer will run the update task as specified by the interval option.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cloudlog.nix>

services.cloudlog.update−clublog−scp.interval
Specification (in the format described by **systemd.time**(7)) of the time at which the Clublog SCP update will occur.

Type: string

Default:

```
"monthly"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cloudlog.nix>

services.cloudlog.update−dok.enable
Whether to periodically update the DOK resource file. If enabled, a systemd timer will run the update task as specified by the interval option.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cloudlog.nix>

services.cloudlog.update−dok.interval
Specification (in the format described by **systemd.time**(7)) of the time at which the DOK update will occur.

Type: string

Default:

```
"monthly"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cloudlog.nix>

services.cloudlog.update−lotw−users.enable
Whether to periodically update the list of LoTW users. If enabled, a systemd timer will run the update task as specified by the interval option.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cloudlog.nix>

services.cloudlog.update−lotw−users.interval
Specification (in the format described by **systemd.time**(7)) of the time at which the LoTW user update will occur.

Type: string

Default:

```
"weekly"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cloudlog.nix>

services.cloudlog.update−sota.enable
Whether to periodically update the SOTA database. If enabled, a systemd timer will run the update task as specified by the interval option.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cloudlog.nix>

services.cloudlog.update−sota.interval
Specification (in the format described by **systemd.time**(7)) of the time at which the SOTA update will occur.

Type: string

Default:

```
"monthly"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cloudlog.nix>

services.cloudlog.update−wwff.enable
Whether to periodically update the WWFF database. If enabled, a systemd timer will run the update task as specified by the interval option.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cloudlog.nix>

services.cloudlog.update−wwff.interval
Specification (in the format described by **systemd.time**(7)) of the time at which the WWFF update will occur.

Type: string

Default:

```
"monthly"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cloudlog.nix>

services.cloudlog.upload−clublog.enable
Whether to periodically upload logs to Clublog. If enabled, a systemd timer will run the log upload task as specified by the interval option.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cloudlog.nix>

services.cloudlog.upload−clublog.interval
Specification (in the format described by **systemd.time**(7)) of the time at which the Clublog upload will occur.

Type: string

Default:

```
"daily"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cloudlog.nix>

services.cloudlog.upload−lotw.enable
Whether to periodically upload logs to LoTW. If enabled, a systemd timer will run the log upload task as specified by the interval option.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cloudlog.nix>

services.cloudlog.upload−lotw.interval
Specification (in the format described by **systemd.time**(7)) of the time at which the LoTW upload will occur.

Type: string

Default:

```
"daily"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cloudlog.nix>

services.cloudlog.upload−qrz.enable
Whether to periodically upload logs to QRZ. If enabled, a systemd timer will run the update task as specified by the interval option.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cloudlog.nix>

services.cloudlog.upload−qrz.interval
Specification (in the format described by **systemd.time**(7)) of the time at which the QRZ upload will occur.

Type: string

Default:

```
"daily"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cloudlog.nix>

services.cloudlog.user
User account under which Cloudlog runs.

Type: string

Default:

```
"cloudlog"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cloudlog.nix>

services.cloudlog.virtualHost
Name of the nginx virtualhost to use and setup. If null, do not setup any virtualhost.

Type: null or string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cloudlog.nix>

services.cntlm.enable
Whether to enable cntlm, which starts a local proxy.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cntlm.nix>

services.cntlm.configText
Verbatim contents of *cntlm.conf*.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/cntlm.nix>

services.cntlm.domain

Proxy account domain/workgroup name.

Type: string

Declared by:

<nixpkgs/nixos/modules/services/networking/cntlm.nix>

services.cntlm.extraConfig

Additional config appended to the end of the generated *cntlm.conf*.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/networking/cntlm.nix>

services.cntlm.netbios_hostname

The hostname of your machine.

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/networking/cntlm.nix>

services.cntlm.noproxy

A list of domains where the proxy is skipped.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "*.example.com"
  "example.com"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/cntlm.nix>

services.cntlm.password

Proxy account password. Note: use chmod 0600 on /etc/cntlm.password for security.

Type: string

Default:

```
"/etc/cntlm.password"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/cntlm.nix>

services.cntlm.port

Specifies on which ports the cntlm daemon listens.

Type: list of 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
[
  3128
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/cntlm.nix>

services.cntlm.proxy

A list of NTLM/NTLMv2 authenticating HTTP proxies.

Parent proxy, which requires authentication. The same as proxy on the command−line, can be used more than once to specify unlimited number of proxies. Should one proxy fail, cntlm automatically moves on to the next one. The connect request fails only if the whole list of proxies is scanned and (for each request) and found to be invalid. Command−line takes precedence over the configuration file.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "proxy.example.com:81"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/cntlm.nix>

services.cntlm.username

Proxy account name, without the possibility to include domain name (‘at’ sign is interpreted literally).

Type: string

Declared by:

<nixpkgs/nixos/modules/services/networking/cntlm.nix>

services.cockpit.enable

Whether to enable Cockpit.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/cockpit.nix>

services.cockpit.package

The Cockpit package to use.

Type: package

Default:

```
pkgs.cockpit
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/cockpit.nix>

services.cockpit.allowed−origins
List of allowed origins.

Maps to the WebService.Origins setting and allows merging from multiple modules.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/cockpit.nix>

services.cockpit.openFirewall
Open port for cockpit.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/cockpit.nix>

services.cockpit.plugins
List of cockpit plugins.

This add the passthru.cockpitPath of the packages to the systemd cockpit service.

Type: list of package

Default:

```
[ ]
```

Example:

```
[
  pkgs.cockpit-zfs
]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/cockpit.nix>

services.cockpit.port
Port where cockpit will listen.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9090
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/cockpit.nix>

services.cockpit.settings
Settings for cockpit that will be saved in /etc/cockpit/cockpit.conf.

See the **documentation**, that is also available with ‘man cockpit.conf.5’ for details.

Type: attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/cockpit.nix>

services.cockpit.showBanner
Whether to add the Cockpit banner to the issue and motd files.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/cockpit.nix>

services.cockroachdb.enable
Whether to enable CockroachDB Server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/databases/cockroachdb.nix>

services.cockroachdb.package
The cockroachdb package to use. This would primarily be useful to enable Enterprise Edition features in your own custom CockroachDB build (Nixpkgs CockroachDB binaries only contain open source features and open source code).

Type: package

Default:

```
pkgs.cockroachdb
```

Declared by:
<nixpkgs/nixos/modules/services/databases/cockroachdb.nix>

services.cockroachdb.cache
The total size for caches.

This can be a percentage, expressed with a fraction sign or as a decimal−point number, or any bytes−based unit. For example, ‘"25%"’, ‘"0.25"’ both represent 25% of the available system memory. The values ‘"1000000000"’ and ‘"1GB"’ both represent 1 gigabyte of memory.

Type: string

Default:

```
"25%"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/cockroachdb.nix>

services.cockroachdb.certsDir
The path to the certificate directory.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/databases/cockroachdb.nix>

services.cockroachdb.extraArgs
Extra CLI arguments passed to **cockroach start**. For the full list of supported arguments, check **https://www.cockroachlabs.com/docs/stable/cockroach-start.html#flags**

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--advertise-addr"
  "[fe80::f6f2:::]"
]
```

Declared by:
<nixpkgs/nixos/modules/services/databases/cockroachdb.nix>

services.cockroachdb.group
User account under which CockroachDB runs

Type: string

Default:

```
"cockroachdb"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/cockroachdb.nix>

services.cockroachdb.http.address
Address to bind to for http-based Admin UI

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/cockroachdb.nix>

services.cockroachdb.http.port
Port to bind to for http-based Admin UI

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/databases/cockroachdb.nix>

services.cockroachdb.insecure

Run in insecure mode.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/databases/cockroachdb.nix>

services.cockroachdb.join

The addresses for connecting the node to a cluster.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/databases/cockroachdb.nix>

services.cockroachdb.listen.address

Address to bind to for intra−cluster communication

Type: string

Default:

```
"localhost"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/cockroachdb.nix>

services.cockroachdb.listen.port

Port to bind to for intra−cluster communication

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
26257
```

Declared by:

<nixpkgs/nixos/modules/services/databases/cockroachdb.nix>

services.cockroachdb.locality

An ordered, comma−separated list of key−value pairs that describe the topography of the machine. Topography might include country, datacenter or rack designations. Data is automatically replicated to maximize diversities of each tier. The order of tiers is used to determine the priority of the diversity, so the more inclusive localities like country should come before less inclusive localities like datacenter. The tiers and order must be the same on all nodes. Including more tiers is better than including fewer. For example:

```
country=us,region=us−west,datacenter=us−west−1b,rack=12
country=ca,region=ca−east,datacenter=ca−east−2,rack=4
planet=earth,province=manitoba,colo=secondary,power=3
```

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/databases/cockroachdb.nix>

services.cockroachdb.maxSqlMemory
The maximum in−memory storage capacity available to store temporary data for SQL queries.

This can be a percentage, expressed with a fraction sign or as a decimal−point number, or any bytes−based unit. For example, ‘"25%"’, ‘"0.25"’ both represent 25% of the available system memory. The values ‘"1000000000"’ and ‘"1GB"’ both represent 1 gigabyte of memory.

Type: string

Default:

```
"25%"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/cockroachdb.nix>

services.cockroachdb.openPorts
Open firewall ports for cluster communication by default

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/databases/cockroachdb.nix>

services.cockroachdb.user
User account under which CockroachDB runs

Type: string

Default:

```
"cockroachdb"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/cockroachdb.nix>

services.cocoon.enable
Whether to enable cocoon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cocoon.nix>

services.cocoon.package
The cocoon package to use.

Type: package

Default:

```
pkgs.cocoon
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cocoon.nix>

services.cocoon.environmentFiles
File to load environment variables from. Loaded variables override values set in **environment**.

Use it to set values of ‘COCOON_ADMIN_PASSWORD’ and ‘COCOON_SESSION_SECRE’.

Generate ‘COCOON_ADMIN_PASSWORD’ with

```
openssl rand −hex 16
```

Generate ‘COCOON_SESSION_SECRET’ with

```
openssl rand −hex 32
```

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cocoon.nix>

services.cocoon.settings
Environment variables to set for the service. Secrets should be specified using **environmentFile**.

Refer to **https://github.com/haileyok/cocoon/blob/main/.env.example** and **https://github.com/haileyok/cocoon/blob/main/README.md** for available environment variables.

Type: open submodule of attribute set of (null or string or absolute path)

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cocoon.nix>

services.cocoon.settings.COCOON_ADDR
Address to bind the Cocoon instance to

Type: string

Default:

```
":8080"
```

Example:

```
":3000"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cocoon.nix>

services.cocoon.settings.COCOON_CONTACT_EMAIL
Contact email for the Cocoon instance

Type: string

Example:

```
"me@example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cocoon.nix>

services.cocoon.settings.COCOON_DATABASE_URL
Database connection URL

Type: null or string

Default:

```
null
```

Example:

```
"postgres://cocoon:password@localhost:5432/cocoon?sslmode=disable"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cocoon.nix>

services.cocoon.settings.COCOON_DB_NAME
Name of the SQLite database file (if using sqlite)

Type: string

Default:

```
"/var/lib/cocoon/cocoon.db"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cocoon.nix>

services.cocoon.settings.COCOON_DB_TYPE
Type of database to use (sqlite or postgres)

Type: string

Default:

```
"sqlite"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cocoon.nix>

services.cocoon.settings.COCOON_DID
DID web address for the Cocoon instance

Type: null or string

Default:

```
null
```

Example:

```
"did:web:cocoon.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cocoon.nix>

services.cocoon.settings.COCOON_HOSTNAME
Hostname for the Cocoon instance

Type: null or string

Default:

```
null
```

Example:

```
"cocoon.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cocoon.nix>

services.cocoon.settings.COCOON_JWK_PATH
Path to the JWK key file

Generate it with:

```
cocoon create−private−jwk −−out /var/lib/cocoon/jwk.key
```

Type: absolute path or string

Default:

```
"/var/lib/cocoon/jwk.key"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cocoon.nix>

services.cocoon.settings.COCOON_RELAYS
Comma−separated list of Nostr relays to connect to

Type: string

Default:

```
"https://bsky.network"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cocoon.nix>

services.cocoon.settings.COCOON_ROTATION_KEY_PATH
Path to the rotation key file.

Generate it with:

```
cocoon create−rotation−key −−out /var/lib/cocoon/rotation.key
```

Type: absolute path or string

Default:

```
"/var/lib/cocoon/rotation.key"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cocoon.nix>

services.cocoon.settings.COCOON_SESSION_COOKIE_KEY
Name of the session cookie

Type: string

Default:

```
"session"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cocoon.nix>

services.code−server.enable
Whether to enable code−server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/code−server.nix>

services.code−server.package
The code−server package to use.

Type: package

Default:

```
pkgs.code−server
```

Example:

```
pkgs.vscode−with−extensions.override {
  vscode = pkgs.code−server;
  vscodeExtensions = with pkgs.vscode−extensions; [
    bbenoist.nix
    dracula−theme.theme−dracula
  ];
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/code−server.nix>

services.code−server.auth
The type of authentication to use.

Type: one of “none”, “password”

Default:

```
"password"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/code−server.nix>

services.code−server.disableFileDownloads
Disable file downloads from Code.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/code−server.nix>

services.code−server.disableGettingStartedOverride
Disable the coder/coder override in the Help: Getting Started page.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/code−server.nix>

services.code−server.disableTelemetry
Disable telemetry.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/code−server.nix>

services.code−server.disableUpdateCheck
Disable update check. Without this flag, code−server checks every 6 hours against the latest github release and then notifies you once every week that a new release is available.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/code−server.nix>

services.code−server.disableWorkspaceTrust
Disable Workspace Trust feature.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/code−server.nix>

services.code−server.extensionsDir
Path to the extensions directory.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/code−server.nix>

services.code−server.extraArguments

Additional arguments to pass to code−server.

Type: list of string

Default:

```
[ ]
```

Example:

```
[ "−−log=info" ]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/code−server.nix>

services.code−server.extraEnvironment

Additional environment variables to pass to code−server.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  PKG_CONFIG_PATH = "/run/current−system/sw/lib/pkgconfig";
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/code−server.nix>

services.code−server.extraGroups

An array of additional groups for the ‘code−server’ user.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "docker"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/code−server.nix>

services.code−server.extraPackages

Additional packages to add to the code−server **PATH**.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.go ]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/code−server.nix>

services.code−server.group

The group to run code−server under. By default, a group named ‘code−server’ will be created.

Type: string

Default:

```
"code-server"
```

Example:

```
"yourGroup"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/code−server.nix>

services.code−server.hashedPassword

Create the password with: **echo −n 'thisismypassword' | nix run nixpkgs#libargon2 −− "$(head −c 20 /dev/random | base64)" −e**

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/code−server.nix>

services.code−server.host

The host name or IP address the server should listen to.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/code−server.nix>

services.code−server.port

The port the server should listen to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
4444
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/code−server.nix>

services.code−server.proxyDomain

Domain used for proxying ports.

Type: null or string

Default:

```
null
```

Example:

```
"code-server.lan"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/code−server.nix>

services.code−server.socket
Path to a socket (bind−addr will be ignored).

Type: null or string

Default:

```
null
```

Example:

```
"/run/code−server/socket"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/code−server.nix>

services.code−server.socketMode
File mode of the socket.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/code−server.nix>

services.code−server.user
The user to run code−server as. By default, a user named ‘code−server’ will be created.

Type: string

Default:

```
"code−server"
```

Example:

```
"yourUser"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/code−server.nix>

services.code−server.userDataDir
Path to the user data directory.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/code−server.nix>

services.coder.enable
Whether to enable Coder service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/coder.nix>

services.coder.package
The coder package to use.

Type: package

Default:

```
pkgs.coder
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/coder.nix>

services.coder.accessUrl
Access URL should be a external IP address or domain with DNS records pointing to Coder.

Type: null or string

Default:

```
null
```

Example:

```
"https://coder.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/coder.nix>

services.coder.database.createLocally
Create the database and database user locally.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/coder.nix>

services.coder.database.database
Name of database.

Type: string

Default:

```
"coder"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/coder.nix>

services.coder.database.host
Hostname hosting the database.

Type: string

Default:

```
"/run/postgresql"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/coder.nix>

services.coder.database.password
Password for accessing the database.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/coder.nix>

services.coder.database.sslmode
Password for accessing the database.

Type: null or string

Default:

```
"disable"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/coder.nix>

services.coder.database.username
Username for accessing the database.

Type: string

Default:

```
"coder"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/coder.nix>

services.coder.environment.extra
Extra environment variables to pass run Coder's server with. See Coder documentation.

Type: attribute set

Default:

```
{ }
```

Example:

```
{
  CODER_OAUTH2_GITHUB_ALLOWED_ORGS = "your−org";
  CODER_OAUTH2_GITHUB_ALLOW_SIGNUPS = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/coder.nix>

services.coder.environment.file
Systemd environment file to add to Coder.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/coder.nix>

services.coder.group
Group under which the coder service runs.

> **Note**
> If left as the default value this group will automatically be created on system activation, otherwise it needs to be configured manually.

Type: string

Default:

```
"coder"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/coder.nix>

services.coder.homeDir
Home directory for coder user.

Type: string

Default:

```
"/var/lib/coder"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/coder.nix>

services.coder.listenAddress
Listen address.

Type: string

Default:

```
"127.0.0.1:3000"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/coder.nix>

services.coder.tlsCert
The path to the TLS certificate.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/coder.nix>

services.coder.tlsKey
The path to the TLS key.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/coder.nix>

services.coder.user

User under which the coder service runs.

> **Note**
> If left as the default value this user will automatically be created on system activation, otherwise it needs to be configured manually.

Type: string

Default:

```
"coder"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/coder.nix>

services.coder.wildcardAccessUrl

If you are providing TLS certificates directly to the Coder server, you must use a single certificate for the root and wildcard domains.

Type: null or string

Default:

```
null
```

Example:

```
"*.coder.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/coder.nix>

services.collabora-online.enable

Whether to enable collabora-online.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/collabora-online.nix>

services.collabora-online.package

The Collabora Online package to use.

Type: package

Default:

```
pkgs.collabora-online
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/collabora-online.nix>

services.collabora-online.aliasGroups

Alias groups to use.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/collabora-online.nix>

services.collabora-online.aliasGroups.*.aliases
A list of regex pattern of aliasname.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "scheme://aliasname1:port"
  "scheme://aliasname2:port"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/collabora-online.nix>

services.collabora-online.aliasGroups.*.host
Hostname to allow or deny.

Type: string

Example:

```
"scheme://hostname:port"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/collabora-online.nix>

services.collabora-online.extraArgs
Extra arguments to pass to the service.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/collabora-online.nix>

services.collabora-online.port
Listening port

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9980
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/collabora-online.nix>

services.collabora-online.settings
Configuration for Collabora Online WebSocket Daemon, see **https://sdk.collaboraonline.com/docs/installation/Configuration.html**, or **https://github.com/CollaboraOnline/online/blob/master/coolwsd.xml.in** for the default configuration.

Type: `coolwsd.xml` configuration type, used to override values in the default configuration.

Attribute names correspond to XML tags unless prefixed with `@`. Nested attribute sets correspond to nested XML tags. Attribute prefixed with `@` correspond to XML attributes. E.g., `{ storage.wopi.“@allow” = true; }` in Nix corresponds to `<storage><wopi allow=“true”/></storage>` in `coolwsd.xml`, or

`–o:storage.wopi[@allow]=true` in the command line.

Arrays correspond to multiple elements with the same tag name. E.g. `{ host = [ ‘‘127\.0\.0\.1’’ “::1” ]; }` in Nix corresponds to ```xml <net><post_allow> <host>127\.0\.0\.1</host> <host>::1</host> </post_allow></net> ``` in `coolwsd.xml`, or `–o:net.post_allow.host[0]='127\.0\.0\.1 −−o:net.post_allow.host[1]=::1` in the command line.

Null values could be used to remove an element from the default configuration.

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/collabora−online.nix>

services.collectd.enable

Whether to enable collectd agent.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/collectd.nix>

services.collectd.package

The collectd package to use.

Type: package

Default:

```
pkgs.collectd
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/collectd.nix>

services.collectd.autoLoadPlugin

Enable plugin autoloading.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/collectd.nix>

services.collectd.buildMinimalPackage

Build a minimal collectd package with only the configured ‘services.collectd.plugins’

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/collectd.nix>

services.collectd.dataDir

Data directory for collectd agent.

Type: absolute path

Default:

```
"/var/lib/collectd"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/collectd.nix>

services.collectd.extraConfig

Extra configuration for collectd. Use mkBefore to add lines before the default config, and mkAfter to add them below.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/collectd.nix>

services.collectd.finalPackage

The final package being used after applying plugins and minimalPackage.

Type: unspecified value *(read only)*

Default:

```
if config.services.collectd.buildMinimalPackage then
  cfg.package.override {
    enabledPlugins = [ "syslog" ] ++ builtins.attrNames cfg.plugins \
;
  }
else
  cfg.package
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/collectd.nix>

services.collectd.include

Additional paths to load config from.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/collectd.nix>

services.collectd.plugins

Attribute set of plugin names to plugin config segments

Type: attribute set of strings concatenated with “\n”

Default:

```
{ }
```

Example:

```
{
  cpu = "";
```

```
  memory = "";
  network = "Server 192.168.1.1 25826";
}
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/collectd.nix>

services.collectd.user
User under which to run collectd.

Type: null or string

Default:

```
"collectd"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/collectd.nix>

services.collectd.validateConfig
Validate the syntax of collectd configuration file at build time. Disable this if you use the Include directive on files unavailable in the build sandbox, or when cross−compiling.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/collectd.nix>

services.colord.enable
Whether to enable colord, the color management daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/colord.nix>

services.commafeed.enable
Whether to enable CommaFeed.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/commafeed.nix>

services.commafeed.package

The commafeed package to use.

Type: package

Default:

```
pkgs.commafeed
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/commafeed.nix>

services.commafeed.environment

Extra environment variables passed to CommaFeed, refer to **https://github.com/Athou/commafeed/blob/master/commafeed-server/config.yml.example** for supported values. The default user is 'admin' and the default password is 'admin'. Correct configuration for H2 database is already provided.

Type: attribute set of (boolean or signed integer or string)

Default:

```
{ }
```

Example:

```
{
  CF_SERVER_APPLICATIONCONNECTORS_0_PORT = 9090;
  CF_SERVER_APPLICATIONCONNECTORS_0_TYPE = "http";
}
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/commafeed.nix>

services.commafeed.environmentFile

Environment file as defined in **systemd.exec**(5).

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/lib/commafeed/commafeed.env"
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/commafeed.nix>

services.commafeed.group

Group under which CommaFeed runs.

Type: string

Default:

```
"commafeed"
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/commafeed.nix>

services.commafeed.stateDir

Directory holding all state for CommaFeed to run.

Type: absolute path

Default:

```
"/var/lib/commafeed"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/commafeed.nix>

services.commafeed.user
User under which CommaFeed runs.

Type: string

Default:

```
"commafeed"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/commafeed.nix>

services.compton
Alias of **services.picom**.

Type: submodule

Declared by:
<nixpkgs/nixos/modules/services/x11/picom.nix>

services.confd.enable
Whether to enable confd, a service to manage local application configuration files using templates and data from etcd/consul/redis/zookeeper.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/confd.nix>

services.confd.package
The confd package to use.

Type: package

Default:

```
pkgs.confd
```

Declared by:
<nixpkgs/nixos/modules/services/misc/confd.nix>

services.confd.backend
Confd config storage backend to use.

Type: one of “etcd”, “consul”, “redis”, “zookeeper”

Default:

```
"etcd"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/confd.nix>

services.confd.confDir
The path to the confd configs.

Type: absolute path

Default:

```
"/etc/confd"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/confd.nix>

services.confd.interval
Confd check interval.

Type: signed integer

Default:

```
10
```

Declared by:
<nixpkgs/nixos/modules/services/misc/confd.nix>

services.confd.logLevel
Confd log level.

Type: one of “info”, “debug”

Default:

```
"info"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/confd.nix>

services.confd.nodes
Confd list of nodes to connect to.

Type: list of string

Default:

```
[
  "http://127.0.0.1:2379"
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/confd.nix>

services.confd.prefix
The string to prefix to keys.

Type: absolute path

Default:

```
"/"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/confd.nix>

services.confd.watch
Confd, whether to watch etcd config for changes.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/confd.nix>

services.conman.enable
Whether to enable Enable the conman Console manager.

Either ‘configFile’ or ‘config’ must be specified. .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/conman.nix>

services.conman.package
The conman package to use.

Type: package

Default:

```
pkgs.conman
```

Declared by:
<nixpkgs/nixos/modules/services/misc/conman.nix>

services.conman.config
The configuration object.

Either ‘configFile’ or ‘config’ must be specified.

See **https://github.com/dun/conman/wiki/Man-5-conman.conf#files**.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
server coredump=off
server keepalive=on
server loopback=off
server timestamp=1h

# global config
global log="/var/log/conman/%N.log"
global seropts="9600,8n1"
global ipmiopts="U:<user>,P:<password>"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/conman.nix>

services.conman.configFile
The absolute path to the configuration file.

Either ‘configFile’ or ‘config’ must be specified.

See **https://github.com/dun/conman/wiki/Man-5-conman.conf#files**.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/conman.conf"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/conman.nix>

services.connman.enable
Whether to use ConnMan for managing your network connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/connman.nix>

services.connman.enableVPN
Whether to enable ConnMan VPN service.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/connman.nix>

services.connman.package
The connman package / build flavor

Type: package

Default:

```
pkgs.connman
```

Example:

```
pkgs.connmanFull
```

Declared by:
<nixpkgs/nixos/modules/services/networking/connman.nix>

services.connman.extraConfig
Configuration lines appended to the generated connman configuration file.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/connman.nix>

services.connman.extraFlags
Extra flags to pass to connmand

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--nodnsproxy"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/connman.nix>

services.connman.networkInterfaceBlacklist
Default blacklisted interfaces, this includes NixOS containers interfaces (ve).

Type: list of string

Default:

```
[
  "vmnet"
  "vboxnet"
  "virbr"
  "ifb"
  "ve"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/connman.nix>

services.connman.wifi.backend
Specify the Wi−Fi backend used. Currently supported are **wpa_supplicant** or **iwd**.

Type: one of “wpa_supplicant”, “iwd”

Default:

```
"wpa_supplicant"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/connman.nix>

services.consul.enable
Enables the consul daemon.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/consul.nix>

services.consul.package
The consul package to use.

Type: package

Default:

```
pkgs.consul
```

Declared by:
<nixpkgs/nixos/modules/services/networking/consul.nix>

services.consul.alerts.enable
Whether to enable consul−alerts.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/consul.nix>

services.consul.alerts.package
The consul−alerts package to use.

Type: package

Default:

```
pkgs.consul-alerts
```

Declared by:
<nixpkgs/nixos/modules/services/networking/consul.nix>

services.consul.alerts.consulAddr
Consul api listening address

Type: string

Default:

```
"localhost:8500"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/consul.nix>

services.consul.alerts.listenAddr
Api listening address.

Type: string

Default:

```
"localhost:9000"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/consul.nix>

services.consul.alerts.watchChecks
Whether to enable check watcher.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/consul.nix>

services.consul.alerts.watchEvents
Whether to enable event watcher.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/consul.nix>

services.consul.dropPrivileges
Whether the consul agent should be run as a non−root consul user.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/consul.nix>

services.consul.extraConfig
Extra configuration options which are serialized to json and added to the config.json file.

Type: attribute set of anything

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/consul.nix>

services.consul.extraConfigFiles
Additional configuration files to pass to consul NOTE: These will not trigger the service to be restarted when altered.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/consul.nix>

services.consul.forceAddrFamily
Whether to bind ipv4/ipv6 or both kind of addresses.

Type: one of “any”, “ipv4”, “ipv6”

Default:

```
"any"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/consul.nix>

services.consul.forceIpv4
Deprecated: Use consul.forceAddrFamily instead. Whether we should force the interfaces to only pull ipv4 addresses.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/consul.nix>

services.consul.interface.advertise
The name of the interface to pull the advertise_addr from.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/consul.nix>

services.consul.interface.bind
The name of the interface to pull the bind_addr from.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/consul.nix>

services.consul.leaveOnStop
If enabled, causes a leave action to be sent when closing consul. This allows a clean termination of the node, but permanently removes it from the cluster. You probably don't want this option unless you are running a node which going offline in a permanent / semi−permanent fashion.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/consul.nix>

services.consul.webUi
Enables the web interface on the consul http port.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/consul.nix>

services.consul−template.instances
Attribute set of consul−template instances. Creates independent 'consul−template−${name}.service' systemd units for each instance defined here.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/security/vault−agent.nix>

services.consul−template.instances.<name>.enable
Whether to enable this consul−template instance.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/vault−agent.nix>

services.consul−template.instances.<name>.package
The consul−template package to use.

Type: package

Default:

```
pkgs.consul−template
```

Declared by:
<nixpkgs/nixos/modules/services/security/vault−agent.nix>

services.consul−template.instances.<name>.group
Group under which this instance runs.

Type: string

Default:

```
"root"
```

Declared by:
<nixpkgs/nixos/modules/services/security/vault−agent.nix>

services.consul−template.instances.<name>.settings
Free−form settings written directly to the *config.json* file. Refer to **https://github.com/hashicorp/consul−template/blob/main/docs/configuration.md#configuration−file** for supported values.

Note
Resulting format is JSON not HCL. Refer to **https://www.hcl2json.com/** if you are unsure how to convert HCL options to JSON.

Type: open submodule of (JSON value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/security/vault−agent.nix>

services.consul−template.instances.<name>.settings.pid_file
Path to use for the pid file.

Type: string

Default:

```
"/run/consul−template/‹name›.pid"
```

Declared by:
<nixpkgs/nixos/modules/services/security/vault−agent.nix>

services.consul−template.instances.<name>.user
User under which this instance runs.

Type: string

Default:

```
"root"
```

Declared by:
<nixpkgs/nixos/modules/services/security/vault−agent.nix>

services.convos.enable
Whether to enable Convos.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/convos.nix>

services.convos.listenAddress
Address or host the web interface should listen on

Type: string

Default:

```
"*"
```

Example:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/convos.nix>

services.convos.listenPort
Port the web interface should listen on

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Example:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/convos.nix>

services.convos.reverseProxy
Enables reverse proxy support. This will allow Convos to automatically pick up the ‘X−Forwarded−For’ and ‘X−Request−Base’ HTTP headers set in your reverse proxy web server. Note that enabling this option without a reverse proxy in front will be a security issue.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/convos.nix>

services.cook−cli.enable
Whether to enable cook−cli.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cook−cli.nix>

services.cook−cli.package
The cook−cli package to use.

Type: package

Default:

```
pkgs.cook−cli
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cook−cli.nix>

services.cook−cli.autoStart
Whether to start cook−cli server automatically.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cook−cli.nix>

services.cook−cli.basePath
Path to the directory cook−cli will look for recipes.

Type: string

Default:

```
"/var/lib/cook−cli"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cook−cli.nix>

services.cook−cli.openFirewall
Whether to open the cook−cli server port in the firewall.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cook−cli.nix>

services.cook−cli.port
Which port cook−cli server will use.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9080
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cook−cli.nix>

services.coredns.enable
Whether to enable Coredns dns server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/coredns.nix>

services.coredns.package
The coredns package to use.

Type: package

Default:

```
pkgs.coredns
```

Declared by:
<nixpkgs/nixos/modules/services/networking/coredns.nix>

services.coredns.config
Verbatim Corefile to use. See **https://coredns.io/manual/toc/#configuration** for details.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
. {
  whoami
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/coredns.nix>

services.coredns.extraArgs
Extra arguments to pass to coredns.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-dns.port=53"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/coredns.nix>

services.corerad.enable
Whether to enable CoreRAD IPv6 NDP RA daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/corerad.nix>

services.corerad.package
The corerad package to use.

Type: package

Default:

```
pkgs.corerad
```

Declared by:
<nixpkgs/nixos/modules/services/networking/corerad.nix>

services.corerad.configFile
Path to CoreRAD TOML configuration file.

Type: absolute path

Example:

```
"${pkgs.corerad}/etc/corerad/corerad.toml"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/corerad.nix>

services.corerad.settings
Configuration for CoreRAD, see **https://github.com/mdlayher/corerad/blob/main/internal/config/reference.toml** for supported values. Ignored if configFile is set.

Type: TOML value

Example:

```
{
  interfaces = [
    # eth0 is an upstream interface monitoring for IPv6 router adve \
rtisements.
    {
      name = "eth0";
      monitor = true;
    }
    # eth1 is a downstream interface advertising IPv6 prefixes for  \
SLAAC.
```

```
        {
          name = "eth1";
          advertise = true;
          prefix = [{ prefix = "::/64"; }];
        }
      ];
      # Optionally enable Prometheus metrics.
      debug = {
        address = "localhost:9430";
        prometheus = true;
      };
    }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/corerad.nix>

services.corosync.enable
Whether to enable corosync.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/corosync/default.nix>

services.corosync.package
The corosync package to use.

Type: package

Default:

```
pkgs.corosync
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/corosync/default.nix>

services.corosync.clusterName
Name of the corosync cluster.

Type: string

Default:

```
"nixcluster"
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/corosync/default.nix>

services.corosync.extraOptions
Additional options with which to start corosync.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/corosync/default.nix>

services.corosync.nodelist
Corosync nodelist: all cluster members.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/corosync/default.nix>

services.corosync.nodelist.*.name
Node name

Type: string

Declared by:
<nixpkgs/nixos/modules/services/cluster/corosync/default.nix>

services.corosync.nodelist.*.nodeid
Node ID number

Type: signed integer

Declared by:
<nixpkgs/nixos/modules/services/cluster/corosync/default.nix>

services.corosync.nodelist.*.ring_addrs
List of addresses, one for each ring.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/corosync/default.nix>

services.corteza.enable
Whether to enable Corteza, a low−code platform.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/development/corteza.nix>

services.corteza.package
The corteza package to use.

Type: package

Default:

```
pkgs.corteza
```

Declared by:
<nixpkgs/nixos/modules/services/development/corteza.nix>

services.corteza.address
IP for the HTTP server.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/development/corteza.nix>

services.corteza.group
The group to run Corteza under.

Type: string

Default:

```
"corteza"
```

Declared by:
<nixpkgs/nixos/modules/services/development/corteza.nix>

services.corteza.openFirewall
Whether to open ports in the firewall.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/development/corteza.nix>

services.corteza.port
Port for the HTTP server.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
80
```

Declared by:
<nixpkgs/nixos/modules/services/development/corteza.nix>

services.corteza.settings
Configuration for Corteza, will be passed as environment variables. See **https://docs.cortezaproject.org/corteza-docs/2024.9/devops-guide/references/configuration/server.html**.

Type: open submodule of attribute set of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/development/corteza.nix>

services.corteza.settings.HTTP_WEBAPP_ENABLED
Whether to enable webapps.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/development/corteza.nix>

services.corteza.user
The user to run Corteza under.

Type: string

Default:

```
"corteza"
```

Declared by:
<nixpkgs/nixos/modules/services/development/corteza.nix>

services.coturn.enable
Whether to enable coturn TURN server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/coturn.nix>

services.coturn.alt−listening−port
Alternative listening port for UDP and TCP listeners; default (or zero) value means “listening port plus one”. This is needed for RFC 5780 support (STUN extension specs, NAT behavior discovery). The TURN Server supports RFC 5780 only if it is started with more than one listening IP address of the same family (IPv4 or IPv6). RFC 5780 is supported only by UDP protocol, other protocols are listening to that endpoint only for “symmetry”.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
listening−port + 1
```

Declared by:
<nixpkgs/nixos/modules/services/networking/coturn.nix>

services.coturn.alt−tls−listening−port
Alternative listening port for TLS and DTLS protocols.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
tls−listening−port + 1
```

Declared by:
<nixpkgs/nixos/modules/services/networking/coturn.nix>

services.coturn.cert
Certificate file in PEM format.

Type: null or string

Default:

```
null
```

Example:

```
"/var/lib/acme/example.com/fullchain.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/coturn.nix>

services.coturn.cli−ip
Local system IP address to be used for CLI server endpoint.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/coturn.nix>

services.coturn.cli−password
CLI access password. For the security reasons, it is recommended to use the encrypted for of the password (see the −P command in the turnadmin utility).

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/coturn.nix>

services.coturn.cli−port
CLI server port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5766
```

Declared by:
<nixpkgs/nixos/modules/services/networking/coturn.nix>

services.coturn.dh−file
Use custom DH TLS key, stored in PEM format in the file.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/coturn.nix>

services.coturn.extraConfig

Additional configuration options

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/networking/coturn.nix>

services.coturn.listening−ips

Listener IP addresses of relay server. If no IP(s) specified in the config file or in the command line options, then all IPv4 and IPv6 system IPs will be used for listening.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "203.0.113.42"
  "2001:DB8::42"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/coturn.nix>

services.coturn.listening−port

TURN listener port for UDP and TCP. Note: actually, TLS and DTLS sessions can connect to the “plain” TCP and UDP port(s), too − if allowed by configuration.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3478
```

Declared by:

<nixpkgs/nixos/modules/services/networking/coturn.nix>

services.coturn.lt−cred−mech

Use long−term credential mechanism.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/coturn.nix>

services.coturn.max−port

Upper bound of UDP relay endpoints

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
65535
```

Declared by:
<nixpkgs/nixos/modules/services/networking/coturn.nix>

services.coturn.min−port
Lower bound of UDP relay endpoints

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
49152
```

Declared by:
<nixpkgs/nixos/modules/services/networking/coturn.nix>

services.coturn.no−auth
This option is opposite to lt−cred−mech. (TURN Server with no−auth option allows anonymous access). If neither option is defined, and no users are defined, then no−auth is default. If at least one user is defined, in this file or in command line or in usersdb file, then lt−cred−mech is default.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/coturn.nix>

services.coturn.no−cli
Turn OFF the CLI support.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/coturn.nix>

services.coturn.no−dtls
Disable DTLS client listener

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/coturn.nix>

services.coturn.no−tcp
Disable TCP client listener

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/coturn.nix>

services.coturn.no−tcp−relay
Disable TCP relay endpoints

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/coturn.nix>

services.coturn.no−tls
Disable TLS client listener

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/coturn.nix>

services.coturn.no−udp
Disable UDP client listener

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/coturn.nix>

services.coturn.no−udp−relay
Disable UDP relay endpoints

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/coturn.nix>

services.coturn.pkey
Private key file in PEM format.

Type: null or string

Default:

```
null
```

Example:

```
"/var/lib/acme/example.com/key.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/coturn.nix>

services.coturn.realm

The default realm to be used for the users when no explicit origin/realm relationship was found in the database, or if the TURN server is not using any database (just the commands−line settings and the userdb file). Must be used with long−term credentials mechanism or with TURN REST API.

Type: string

Default:

```
config.networking.hostName
```

Example:

```
"example.com"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/coturn.nix>

services.coturn.relay−ips

Relay address (the local IP address that will be used to relay the packets to the peer). Multiple relay addresses may be used. The same IP(s) can be used as both listening IP(s) and relay IP(s).

If no relay IP(s) specified, then the turnserver will apply the default policy: it will decide itself which relay addresses to be used, and it will always be using the client socket IP address as the relay IP address of the TURN session (if the requested relay address family is the same as the family of the client socket).

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "203.0.113.42"
  "2001:DB8::42"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/coturn.nix>

services.coturn.secure−stun

Require authentication of the STUN Binding request. By default, the clients are allowed anonymous access to the STUN Binding functionality.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/coturn.nix>

services.coturn.static−auth−secret

‘Static’ authentication secret value (a string) for TURN REST API only. If not set, then the turn server will try to use the ‘dynamic’ value in turn_secret table in user database (if present). The database−stored value can be changed on−the−fly by a separate program, so this is why that other mode is ‘dynamic’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/coturn.nix>

services.coturn.static−auth−secret−file
Path to the file containing the static authentication secret.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/coturn.nix>

services.coturn.tls−listening−port
TURN listener port for TLS. Note: actually, “plain” TCP and UDP sessions can connect to the TLS and DTLS port(s), too − if allowed by configuration. The TURN server “automatically” recognizes the type of traffic. Actually, two listening endpoints (the “plain” one and the “tls” one) are equivalent in terms of functionality; but we keep both endpoints to satisfy the RFC 5766 specs. For secure TCP connections, we currently support SSL version 3 and TLS version 1.0, 1.1 and 1.2. For secure UDP connections, we support DTLS version 1.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5349
```

Declared by:
<nixpkgs/nixos/modules/services/networking/coturn.nix>

services.coturn.use−auth−secret
TURN REST API flag. Flag that sets a special authorization option that is based upon authentication secret. This feature can be used with the long−term authentication mechanism, only. This feature purpose is to support “TURN Server REST API”, see “TURN REST API” link in the project’s page **https://github.com/coturn/coturn/**

This option is used with timestamp:

usercombo −> “timestamp:userid” turn user −> usercombo turn password −> base64(hmac(secret key, usercombo))

This allows TURN credentials to be accounted for a specific user id. If you don’t have a suitable id, the timestamp alone can be used. This option is just turning on secret−based authentication. The actual value of the secret is defined either by option static−auth−secret, or can be found in the turn_secret table in the database.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/coturn.nix>

services.couchdb.enable
Whether to enable CouchDB Server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/databases/couchdb.nix>

services.couchdb.package
The couchdb3 package to use.

Type: package

Default:

```
pkgs.couchdb3
```

Declared by:
<nixpkgs/nixos/modules/services/databases/couchdb.nix>

services.couchdb.adminPass
Couchdb (i.e. fauxton) account with permission for all dbs and tasks.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/databases/couchdb.nix>

services.couchdb.adminUser
Couchdb (i.e. fauxton) account with permission for all dbs and tasks.

Type: string

Default:

```
"admin"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/couchdb.nix>

services.couchdb.argsFile
vm.args configuration. Overrides Couchdb's Erlang VM parameters file.

Type: absolute path

Default:

```
"config.services.couchdb.package/etc/vm.args"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/couchdb.nix>

services.couchdb.bindAddress
Defines the IP address by which CouchDB will be accessible.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/couchdb.nix>

services.couchdb.configFile

Configuration file for persisting runtime changes. File needs to be readable and writable from couchdb user/group.

Type: absolute path

Default:

```
"/var/lib/couchdb/local.ini"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/couchdb.nix>

services.couchdb.databaseDir

Specifies location of CouchDB database files (*.couch named). This location should be writable and readable for the user the CouchDB service runs as (couchdb by default).

Type: absolute path

Default:

```
"/var/lib/couchdb"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/couchdb.nix>

services.couchdb.extraConfig

Extra configuration options for CouchDB

Type: attribute set

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/databases/couchdb.nix>

services.couchdb.extraConfigFiles

Extra configuration files. Overrides any other configuration. You can use this to setup the Admin user without putting the password in your nix store.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/databases/couchdb.nix>

services.couchdb.group

Group account under which couchdb runs.

Type: string

Default:

```
"couchdb"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/couchdb.nix>

services.couchdb.logFile

Specifies the location of file for logging output.

Type: absolute path

Default:

```
"/var/log/couchdb.log"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/couchdb.nix>

services.couchdb.port

Defined the port number to listen.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5984
```

Declared by:

<nixpkgs/nixos/modules/services/databases/couchdb.nix>

services.couchdb.uriFile

This file contains the full URI that can be used to access this instance of CouchDB. It is used to help discover the port CouchDB is running on (if it was set to 0 (e.g. automatically assigned any free one). This file should be writable and readable for the user that runs the CouchDB service (couchdb by default).

Type: absolute path

Default:

```
"/run/couchdb/couchdb.uri"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/couchdb.nix>

services.couchdb.user

User account under which couchdb runs.

Type: string

Default:

```
"couchdb"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/couchdb.nix>

services.couchdb.viewIndexDir

Specifies location of CouchDB view index files. This location should be writable and readable for the user that runs the CouchDB service (couchdb by default).

Type: absolute path

Default:

```
"/var/lib/couchdb"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/couchdb.nix>

services.cpuminer−cryptonight.enable
Whether to enable the cpuminer cryptonight miner.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/cpuminer−cryptonight.nix>

services.cpuminer−cryptonight.pass
Password for mining server

Type: string

Default:

```
"x"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/cpuminer−cryptonight.nix>

services.cpuminer−cryptonight.threads
Number of miner threads, defaults to available processors

Type: unsigned integer, meaning >=0

Default:

Declared by:
<nixpkgs/nixos/modules/services/misc/cpuminer−cryptonight.nix>

services.cpuminer−cryptonight.url
URL of mining server

Type: string

Declared by:
<nixpkgs/nixos/modules/services/misc/cpuminer−cryptonight.nix>

services.cpuminer−cryptonight.user
Username for mining server

Type: string

Declared by:
<nixpkgs/nixos/modules/services/misc/cpuminer−cryptonight.nix>

services.cpupower−gui.enable
Enables dbus/systemd service needed by cpupower−gui. These services are responsible for retrieving and modifying cpu power saving settings.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/cpupower−gui.nix>

services.crab−hole.enable

Whether to enable Crab−hole Service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/crab−hole.nix>

services.crab−hole.package

The crab−hole package to use.

Type: package

Default:

```
pkgs.crab−hole
```

Declared by:

<nixpkgs/nixos/modules/services/networking/crab−hole.nix>

services.crab−hole.configFile

The config file of crab−hole.

If files are added via url, make sure the service has access to them. Setting this option will override any configuration applied by the settings option.

Type: absolute path

Declared by:

<nixpkgs/nixos/modules/services/networking/crab−hole.nix>

services.crab−hole.settings

Crab−holes config. See big example **https://github.com/LuckyTurtleDev/crab−hole/blob/main/example−config.toml**

Type: open submodule of (TOML value)

Example:

```
{
  api = {
    admin_key = "1234";
    listen = "127.0.0.1";
    port = 8080;
    show_doc = true;
  };
  blocklist = {
    allow_list = [
      "file:///allowed.txt"
    ];
    include_subdomains = true;
    lists = [
      "https://raw.githubusercontent.com/StevenBlack/hosts/master/a \
lternates/fakenews−gambling−porn/hosts"
      "https://s3.amazonaws.com/lists.disconnect.me/simple_tracking \
.txt"
```

```
        "file:///blocked.txt"
      ];
    };
    downstream = [
      {
        listen = "localhost";
        port = 8080;
        protocol = "udp";
      }
      {
        certificate = "dns.example.com.crt";
        dns_hostname = "dns.example.com";
        key = "dns.example.com.key";
        listen = "[::]";
        port = 8055;
        protocol = "https";
        timeout_ms = 3000;
      }
    ];
    upstream = {
      name_servers = [
        {
          protocol = "tls";
          socket_addr = "[2606:4700:4700::1111]:853";
          tls_dns_name = "1dot1dot1dot1.cloudflare-dns.com";
          trust_nx_responses = false;
        }
        {
          protocol = "tls";
          socket_addr = "1.1.1.1:853";
          tls_dns_name = "1dot1dot1dot1.cloudflare-dns.com";
          trust_nx_responses = false;
        }
      ];
      options = {
        validate = false;
      };
    };
  }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/crab-hole.nix>

services.crab-hole.settings.blocklist.allow_list

List of allowlists. If files are added via url, make sure the service has access to them!

Type: list of (string or absolute path)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/crab-hole.nix>

services.crab−hole.settings.blocklist.include_subdomains

Whether to enable Include subdomains.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/crab−hole.nix>

services.crab−hole.settings.blocklist.lists

List of blocklists. If files are added via url, make sure the service has access to them!

Type: list of (string or absolute path)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/crab−hole.nix>

services.crab−hole.supplementaryGroups

Adds additional groups to the crab−hole service. Can be useful to prevent permission issues.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "acme"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/crab−hole.nix>

services.create_ap.enable

Whether to enable setting up wifi hotspots using create_ap.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/create_ap.nix>

services.create_ap.settings

Configuration for ‘create_ap’. See **upstream example configuration** for supported values.

Type: attribute set of (signed integer or boolean or string)

Default:

```
{ }
```

Example:

```
{
  INTERNET_IFACE = "eth0";
  PASSPHRASE = "12345678";
  SSID = "My Wifi Hotspot";
  WIFI_IFACE = "wlan0";
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/create_ap.nix>

services.croc.enable

Whether to enable croc relay.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/croc.nix>

services.croc.debug

Whether to enable debug logs.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/croc.nix>

services.croc.openFirewall

Whether to enable opening of the peer port(s) in the firewall.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/croc.nix>

services.croc.pass

Password or passwordfile for the relay.

Type: absolute path or string

Default:

```
"pass123"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/croc.nix>

services.croc.ports
Ports of the relay.

Type: list of 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
[
  9009
  9010
  9011
  9012
  9013
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/croc.nix>

services.cron.enable
Whether to enable the Vixie cron daemon.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/scheduling/cron.nix>

services.cron.cronFiles
A list of extra crontab files that will be read and appended to the main crontab file when the cron service starts.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/scheduling/cron.nix>

services.cron.mailto
Email address to which job output will be mailed.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/scheduling/cron.nix>

services.cron.systemCronJobs
A list of Cron jobs to be appended to the system−wide crontab. See the manual page for crontab for the expected format. If you want to get the results mailed you must setuid sendmail. See **security.wrappers**

If neither /var/cron/cron.deny nor /var/cron/cron.allow exist only root is allowed to have its own crontab file. The /var/cron/cron.deny file is created automatically for you, so every user can use a crontab.

Many nixos modules set systemCronJobs, so if you decide to disable vixie cron and enable another cron daemon, you may want it to get its system crontab based on systemCronJobs.

Type: list of string

Default:

```
[ ]
```

Example:

```
[ "* * * * *  test   ls -l / > /tmp/cronout 2>&1"
  "* * * * *  eelco  echo Hello World > /home/eelco/cronout"
]
```

Declared by:
<nixpkgs/nixos/modules/services/scheduling/cron.nix>

services.cross-seed.enable
Whether to enable cross-seed.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/cross-seed.nix>

services.cross-seed.package
The cross-seed package to use.

Type: package

Default:

```
pkgs.cross-seed
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/cross-seed.nix>

services.cross-seed.configDir
Cross-seed config directory

Type: absolute path

Default:

```
"/var/lib/cross-seed"
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/cross-seed.nix>

services.cross-seed.group
Group to run cross-seed as.

Type: string

Default:

```
"cross-seed"
```

Example:

```
"torrents"
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/cross−seed.nix>

services.cross−seed.settings
Configuration options for cross−seed.

Secrets should not be set in this option, as they will be available in the Nix store. For secrets, please use settingsFile.

For more details, see **the cross−seed documentation**.

Type: open submodule of (JSON value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/cross−seed.nix>

services.cross−seed.settings.dataDirs
Paths to be searched for matching data.

If you use Injection, cross−seed will use the specified linkType to create a link to the original file in the linkDirs.

If linkType is hardlink, these must be on the same volume as the data.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/cross−seed.nix>

services.cross−seed.settings.linkDirs
List of directories where cross−seed will create links.

If linkType is hardlink, these must be on the same volume as the data.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/cross−seed.nix>

services.cross−seed.settings.outputDir
Directory where cross−seed will place torrent files it finds.

Type: null or absolute path

Default:

```
"\${cfg.configDir}/output"
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/cross−seed.nix>

services.cross−seed.settings.port
Port the cross−seed daemon listens on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
2468
```

Example:

```
3000
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/cross-seed.nix>

services.cross-seed.settings.torrentDir
Directory containing torrent files, or if you're using a torrent client integration and injection − your torrent client's .torrent file store/cache.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/cross-seed.nix>

services.cross-seed.settingsFile
Path to a JSON file containing settings that will be merged with the settings option. This is suitable for storing secrets, as they will not be exposed on the Nix store.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/cross-seed.nix>

services.cross-seed.useGenConfigDefaults
Whether to use the option defaults from the configuration generated by **cross-seed gen-config**.

Those are the settings recommended by the project, and can be inspected from their **template file**.

Settings set in **services.cross-seed.settings** and **services.cross-seed.settingsFile** will override the ones from this option.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/cross-seed.nix>

services.cross-seed.user
User to run cross-seed as.

Type: string

Default:

```
"cross-seed"
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/cross-seed.nix>

services.crossfire−server.enable

If enabled, the Crossfire game server will be started at boot.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/games/crossfire−server.nix>

services.crossfire−server.package

The crossfire−server package to use. ::: {.note} This will also be used for map/arch data, if you don’t change **dataDir** :::

Type: package

Default:

```
pkgs.crossfire−server
```

Declared by:

<nixpkgs/nixos/modules/services/games/crossfire−server.nix>

services.crossfire−server.configFiles

Text to append to the corresponding configuration files. Note that the files given in the example are *not* the complete set of files available to customize; look in /etc/crossfire after enabling the server to see the available files, and read the comments in each file for detailed documentation on the format and what settings are available.

Note that the motd, rules, and news files, if configured here, will overwrite the example files that come with the server, rather than being appended to them as the other configuration files are.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  dm_file = ''
    admin:secret_password:localhost
    alice:xyzzy:*
  '';
  ban_file = ''
    # Bob is a jerk
    bob@*
    # So is everyone on 192.168.86.255/24
    *@192.168.86.
  '';
  metaserver2 = ''
    metaserver2_notification on
    localhostname crossfire.example.net
  '';
  motd = "Welcome to CrossFire!";
  news = "No news yet.";
  rules = "Don't be a jerk.";
  settings = ''
    # be nicer to newbies and harsher to experienced players
    balanced_stat_loss true
```

```
        # don't let players pick up and use admin-created items
        real_wiz false
      '';
    }
```

Declared by:
<nixpkgs/nixos/modules/services/games/crossfire-server.nix>

services.crossfire-server.dataDir
Where to load readonly data from – maps, archetypes, treasure tables, and the like. If you plan to edit the data on the live server (rather than overlaying the crossfire-maps and crossfire-arch packages and nixos-rebuilding), point this somewhere read-write and copy the data there before starting the server.

Type: string

Default:

```
"${config.services.crossfire.package}/share/crossfire"
```

Declared by:
<nixpkgs/nixos/modules/services/games/crossfire-server.nix>

services.crossfire-server.openFirewall
Whether to open ports in the firewall for the server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/games/crossfire-server.nix>

services.crossfire-server.stateDir
Where to store runtime data (save files, persistent items, etc).

If left at the default, this will be automatically created on server startup if it does not already exist. If changed, it is the admin's responsibility to make sure that the directory exists and is writeable by the 'crossfire' user.

Type: string

Default:

```
"/var/lib/crossfire"
```

Declared by:
<nixpkgs/nixos/modules/services/games/crossfire-server.nix>

services.crossmacro.enable
Whether to enable CrossMacro, a cross-platform mouse and keyboard macro application.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/crossmacro.nix>

services.crossmacro.package

The crossmacro package to use.

Type: package

Default:

```
pkgs.crossmacro
```

Declared by:

<nixpkgs/nixos/modules/services/desktops/crossmacro.nix>

services.crossmacro.daemonPackage

The crossmacro−daemon package to use.

Type: package

Default:

```
pkgs.crossmacro-daemon
```

Declared by:

<nixpkgs/nixos/modules/services/desktops/crossmacro.nix>

services.crossmacro.users

List of users granted permission to use CrossMacro.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "alice"
  "bob"
]
```

Declared by:

<nixpkgs/nixos/modules/services/desktops/crossmacro.nix>

services.crowdsec.enable

Whether to enable CrowdSec Security Engine.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/security/crowdsec.nix>

services.crowdsec.package

The crowdsec package to use.

Type: package

Default:

```
pkgs.crowdsec
```

Declared by:
<nixpkgs/nixos/modules/services/security/crowdsec.nix>

services.crowdsec.autoUpdateService
Whether to enable if 'true' 'cscli hub update' will be executed daily. See 'https://docs.crowdsec.net/docs/cscli/cscli_hub_update/' for more information.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/crowdsec.nix>

services.crowdsec.group
The group to run crowdsec as

Type: string

Default:

```
"crowdsec"
```

Declared by:
<nixpkgs/nixos/modules/services/security/crowdsec.nix>

services.crowdsec.hub
Hub collections, parsers, AppSec rules, etc.

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/security/crowdsec.nix>

services.crowdsec.hub.appSecConfigs
List of hub appsec configurations to install

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "crowdsecurity/appsec-default"
]
```

Declared by:
<nixpkgs/nixos/modules/services/security/crowdsec.nix>

services.crowdsec.hub.appSecRules
List of hub appsec rules to install

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "crowdsecurity/base-config"
]
```

Declared by:
<nixpkgs/nixos/modules/services/security/crowdsec.nix>

services.crowdsec.hub.branch
The git branch on which cscli is going to fetch configurations.

See 'https://docs.crowdsec.net/docs/configuration/crowdsec_configuration/#hub_branch' for more information.

Type: string

Default:

```
"master"
```

Example:

```
[
  "master"
  "v1.4.3"
  "v1.4.2"
]
```

Declared by:
<nixpkgs/nixos/modules/services/security/crowdsec.nix>

services.crowdsec.hub.collections
List of hub collections to install

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "crowdsecurity/linux"
]
```

Declared by:
<nixpkgs/nixos/modules/services/security/crowdsec.nix>

services.crowdsec.hub.parsers
List of hub parsers to install

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "crowdsecurity/sshd-logs"
]
```

Declared by:
<nixpkgs/nixos/modules/services/security/crowdsec.nix>

services.crowdsec.hub.postOverflows
List of hub postoverflows to install

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "crowdsecurity/auditd-nix-wrappers-whitelist-process"
]
```

Declared by:
<nixpkgs/nixos/modules/services/security/crowdsec.nix>

services.crowdsec.hub.scenarios
List of hub scenarios to install

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "crowdsecurity/ssh-bf"
]
```

Declared by:
<nixpkgs/nixos/modules/services/security/crowdsec.nix>

services.crowdsec.localConfig
The configuration for a crowdsec security engine.

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/security/crowdsec.nix>

services.crowdsec.localConfig.acquisitions
A list of acquisition specifications, which define the data sources you want to be parsed.

See **https://docs.crowdsec.net/docs/data_sources/intro** for details.

Type: list of (YAML 1.1 value)

Default:

```
[ ]
```

Example:

```
[
  {
    journalctl_filter = [
      "_SYSTEMD_UNIT=sshd.service"
    ];
```

```
      labels = {
        type = "syslog";
      };
      source = "journalctl";
    }
  ]
```

Declared by:

<nixpkgs/nixos/modules/services/security/crowdsec.nix>

services.crowdsec.localConfig.contexts

A list of additional contexts to specify.

See **https://docs.crowdsec.net/docs/next/log_processor/alert_context/intro** for details.

Type: list of (YAML 1.1 value)

Default:

```
[ ]
```

Example:

```
[
  {
    context = {
      method = [
        "evt.Meta.http_verb"
      ];
      status = [
        "evt.Meta.http_status"
      ];
      target_uri = [
        "evt.Meta.http_path"
      ];
      user_agent = [
        "evt.Meta.http_user_agent"
      ];
    };
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/security/crowdsec.nix>

services.crowdsec.localConfig.notifications

A list of notifications to enable and use in your profiles. Note that for now, only the plugins shipped by default with CrowdSec are supported.

See **https://docs.crowdsec.net/docs/notification_plugins/intro** for details.

Type: list of (YAML 1.1 value)

Default:

```
[ ]
```

Example:

```
[
  {
    format = ''
      {{.|toJson}}
```

```
        '';
        log_level = "info";
        method = "POST";
        name = "default_http_notification";
        type = "http";
        url = "https://example.com/hook";
      }
    ]
```

Declared by:
<nixpkgs/nixos/modules/services/security/crowdsec.nix>

services.crowdsec.localConfig.parsers
The set of parser specifications.

See **https://docs.crowdsec.net/docs/parsers/intro** for details.

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/security/crowdsec.nix>

services.crowdsec.localConfig.parsers.s00Raw
A list of stage s00−raw specifications. Most of the time, those are already included in the hub, but are presented here anyway.

See **https://docs.crowdsec.net/docs/parsers/intro** for details.

Type: list of (YAML 1.1 value)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/security/crowdsec.nix>

services.crowdsec.localConfig.parsers.s01Parse
A list of stage s01−parse specifications.

See **https://docs.crowdsec.net/docs/parsers/intro** for details.

Type: list of (YAML 1.1 value)

Default:

```
[ ]
```

Example:

```
[
  {
    debug = true;
    description = "Parsing custom service logs";
    filter = "1=1";
    grok = {
      apply_on = "message";
      pattern = "^%{DATA:some_data}$";
    };
    name = "example/custom-service-logs";
    onsuccess = "next_stage";
```

```
      statics = [
        {
          parsed = "is_my_custom_service";
          value = "yes";
        }
      ];
    }
  ]
```

Declared by:
<nixpkgs/nixos/modules/services/security/crowdsec.nix>

services.crowdsec.localConfig.parsers.s02Enrich
A list of stage s02−enrich specifications. Inside this list, you can specify Parser Whitelists.

See **https://docs.crowdsec.net/docs/whitelist/intro** for details.

Type: list of (YAML 1.1 value)

Default:

```
[ ]
```

Example:

```
[
  {
    description = "Whitelist parse events from my IPs";
    name = "myips/whitelist";
    whitelist = {
      cidr = [
        "1.2.3.0/24"
      ];
      ip = [
        "1.2.3.4"
      ];
      reason = "My IP ranges";
    };
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/security/crowdsec.nix>

services.crowdsec.localConfig.patterns
A list of files containing custom grok patterns.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ (pkgs.writeTextDir "custom_service_logs" (builtins.readFile ./cus \
tom_service_logs)) ]
```

Declared by:
<nixpkgs/nixos/modules/services/security/crowdsec.nix>

services.crowdsec.localConfig.postOverflows

The set of Postoverflows specifications.

See **https://docs.crowdsec.net/docs/next/log_processor/parsers/intro#postoverflows** for details.

Type: submodule

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/security/crowdsec.nix>

services.crowdsec.localConfig.postOverflows.s01Whitelist

A list of stage s01−whitelist specifications. Inside this list, you can specify Postoverflows Whitelists.

See **https://docs.crowdsec.net/docs/whitelist/intro** for details.

Type: list of (YAML 1.1 value)

Default:

```
[ ]
```

Example:

```
[
  {
    description = "Whitelist my reverse DNS";
    name = "postoverflows/whitelist_my_dns_domain";
    whitelist = {
      expression = [
        "evt.Enriched.reverse_dns endsWith '.local.'"
      ];
      reason = "Don't ban me";
    };
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/security/crowdsec.nix>

services.crowdsec.localConfig.profiles

A list of profiles to enable.

See **https://docs.crowdsec.net/docs/profiles/intro** for more details.

Type: list of (YAML 1.1 value)

Default:

```
[
  {
    decisions = [
      {
        duration = "4h";
        type = "ban";
      }
    ];
    filters = [
      "Alert.Remediation == true && Alert.GetScope() == 'Ip'"
    ];
    name = "default_ip_remediation";
```

```
      on_success = "break";
    }
    {
      decisions = [
        {
          duration = "4h";
          type = "ban";
        }
      ];
      filters = [
        "Alert.Remediation == true && Alert.GetScope() == 'Range'"
      ];
      name = "default_range_remediation";
      on_success = "break";
    }
  ]
```

Example:

```
  [
    {
      decisions = [
        {
          duration = "4h";
          type = "ban";
        }
      ];
      filters = [
        "Alert.Remediation == true && Alert.GetScope() == 'Ip'"
      ];
      name = "default_ip_remediation";
      on_success = "break";
    }
    {
      decisions = [
        {
          duration = "4h";
          type = "ban";
        }
      ];
      filters = [
        "Alert.Remediation == true && Alert.GetScope() == 'Range'"
      ];
      name = "default_range_remediation";
      on_success = "break";
    }
  ]
```

Declared by:

<nixpkgs/nixos/modules/services/security/crowdsec.nix>

services.crowdsec.localConfig.scenarios

A list of scenarios specifications.

See **https://docs.crowdsec.net/docs/scenarios/intro** for details.

Type: list of (YAML 1.1 value)

Default:

```
[ ]
```

Example:

```
[
  {
    capacity = 5;
    description = "Detect myservice bruteforce";
    filter = "evt.Meta.log_type == 'myservice_failed_auth'";
    groupby = "evt.Meta.source_ip";
    leakspeed = "10s";
    name = "crowdsecurity/myservice-bf";
    type = "leaky";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/security/crowdsec.nix>

services.crowdsec.name

Name of the machine when registering it at the central or local api.

Type: string

Default:

```
config.networking.hostName
```

Declared by:

<nixpkgs/nixos/modules/services/security/crowdsec.nix>

services.crowdsec.openFirewall

Whether to automatically open firewall ports for ‘crowdsec’.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/security/crowdsec.nix>

services.crowdsec.settings

Set of various configuration attributes

Type: submodule

Declared by:

<nixpkgs/nixos/modules/services/security/crowdsec.nix>

services.crowdsec.settings.capi
CAPI Configuration attributes

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/security/crowdsec.nix>

services.crowdsec.settings.capi.credentialsFile
The CAPI credential file to use.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/crowdsec/capi.yaml"
```

Declared by:
<nixpkgs/nixos/modules/services/security/crowdsec.nix>

services.crowdsec.settings.console
Console Configuration attributes

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/security/crowdsec.nix>

services.crowdsec.settings.console.configuration
Attributes inside the console.yaml file.

Type: YAML 1.1 value

Default:

```
{
  share_context = false;
  share_custom = false;
  share_manual_decisions = false;
  share_tainted = false;
}
```

Declared by:
<nixpkgs/nixos/modules/services/security/crowdsec.nix>

services.crowdsec.settings.console.tokenFile
The Console Token file to use.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/crowdsec/console_token.yaml"
```

Declared by:
<nixpkgs/nixos/modules/services/security/crowdsec.nix>

services.crowdsec.settings.general
Settings for the main CrowdSec configuration file.

Refer to the defaults at **https://github.com/crowdsecurity/crowdsec/blob/master/config/config.yaml**.

Type: YAML 1.1 value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/security/crowdsec.nix>

services.crowdsec.settings.lapi
LAPI Configuration attributes

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/security/crowdsec.nix>

services.crowdsec.settings.lapi.credentialsFile
The LAPI credential file to use.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/crowdsec/lapi.yaml"
```

Declared by:
<nixpkgs/nixos/modules/services/security/crowdsec.nix>

services.crowdsec.settings.simulation
Attributes inside the simulation.yaml file.

Type: YAML 1.1 value

Default:

```
{
  simulation = false;
}
```

Declared by:
<nixpkgs/nixos/modules/services/security/crowdsec.nix>

services.crowdsec.user
The user to run crowdsec as

Type: string

Default:

```
"crowdsec"
```

Declared by:
<nixpkgs/nixos/modules/services/security/crowdsec.nix>

services.crowdsec−firewall−bouncer.enable
Whether to enable CrowdSec Firewall Bouncer.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/crowdsec−firewall−bouncer.nix>

services.crowdsec−firewall−bouncer.package
The crowdsec−firewall−bouncer package to use.

Type: package

Default:

```
pkgs.crowdsec−firewall−bouncer
```

Declared by:
<nixpkgs/nixos/modules/services/security/crowdsec−firewall−bouncer.nix>

services.crowdsec−firewall−bouncer.createRulesets
Whether to have the module create the appropriate firewall configuration based on the bouncer settings. You may disable this option to manually configure it.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/crowdsec−firewall−bouncer.nix>

services.crowdsec−firewall−bouncer.registerBouncer.enable
Whether to automatically register the bouncer to the locally running ‘crowdsec’ service.

When authenticating to an external CrowdSec API, you may use the **services.crowdsec-firewall-bouncer.secrets.apiKeyPath** option instead.

Type: boolean

Default:

```
config.services.crowdsec.enable
```

Declared by:
<nixpkgs/nixos/modules/services/security/crowdsec−firewall−bouncer.nix>

services.crowdsec−firewall−bouncer.registerBouncer.bouncerName
Name to register the bouncer as to the CrowdSec API

Type: non−empty string

Default:

```
"crowdsec−firewall−bouncer"
```

Declared by:
<nixpkgs/nixos/modules/services/security/crowdsec−firewall−bouncer.nix>

services.crowdsec−firewall−bouncer.secrets.apiKeyPath
Path to the API key to authenticate with a local CrowdSec API.

You need to call ‘cscli bouncers add <bouncer−name>’ to register the bouncer and get this API key.

When authenticating to the locally running ‘crowdsec’ service, you may use the **services.crowdsec-firewall-bouncer.registerBouncer.enable** option instead.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/crowdsec−firewall−bouncer.nix>

services.crowdsec−firewall−bouncer.settings
Settings for the main CrowdSec Firewall Bouncer.

Refer to the defaults at **https://github.com/crowdsecurity/cs−firewall−bouncer/blob/main/config/crowdsec−firewall−bouncer.yaml**.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/security/crowdsec−firewall−bouncer.nix>

services.crowdsec−firewall−bouncer.settings.api_key
API key to authenticate with a local crowdsec API.

You need to call ‘cscli bouncers add <bouncer−name>’ to register the bouncer and get this API key.

Setting this option will store this secret in the Nix store. Instead, you should set the ‘services.crowdsec−firewall−bouncer.secrets.apiKeyPath’ option, which will read the value at runtime.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/crowdsec−firewall−bouncer.nix>

services.crowdsec−firewall−bouncer.settings.api_url
URL of the local API.

Type: string

Default:

```
http://$\{config.services.crowdsec.settings.general.api.server.lis \
ten_uri}
```

Example:

```
"http://127.0.0.1:8080"
```

Declared by:
<nixpkgs/nixos/modules/services/security/crowdsec−firewall−bouncer.nix>

services.crowdsec−firewall−bouncer.settings.mode
Firewall mode to use.

Type: string

Default:

```
if config.networking.nftables.enable then "nftables" else "iptables \
"
```

Declared by:
<nixpkgs/nixos/modules/services/security/crowdsec−firewall−bouncer.nix>

services.cryptpad.enable
Whether to enable cryptpad.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cryptpad.nix>

services.cryptpad.package
The cryptpad package to use.

Type: package

Default:

```
pkgs.cryptpad
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cryptpad.nix>

services.cryptpad.configureNginx
Configure Nginx as a reverse proxy for Cryptpad. Note that this makes some assumptions on your setup, and sets settings that will affect other virtualHosts running on your Nginx instance, if any. Alternatively you can configure a reverse−proxy of your choice.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cryptpad.nix>

services.cryptpad.settings
Cryptpad configuration settings. See **https://github.com/cryptpad/cryptpad/blob/main/config/config.example.js** for a more extensive reference documentation. Test your deployed instance through ‘https://<domain>/checkup/’.

Type: open submodule of (JSON value)

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cryptpad.nix>

services.cryptpad.settings.adminKeys
List of public signing keys of users that can access the admin panel

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "[cryptpad−user1@my.awesome.website/YZgXQxKR0Rcb6r6CmxHPdAGLVlud \
rAF2lEnkbx1vVOo=]"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cryptpad.nix>

services.cryptpad.settings.blockDailyCheck
Disable telemetry. This setting is only effective if the 'Disable server telemetry' setting in the admin menu has been untouched, and will be ignored by cryptpad once that option is set either way. Note that due to the service confinement, just enabling the option in the admin menu will not be able to resolve DNS and fail; this setting must be set as well.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cryptpad.nix>

services.cryptpad.settings.httpAddress
Address on which the Node.js server should listen

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cryptpad.nix>

services.cryptpad.settings.httpPort
Port on which the Node.js server should listen

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cryptpad.nix>

services.cryptpad.settings.httpSafeOrigin
Cryptpad sandbox URL

Type: null or string

Default:

```
null
```

Example:

```
"https://cryptpad-ui.example.com. Apparently optional but recommen \
ded."
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/cryptpad.nix>

services.cryptpad.settings.httpUnsafeOrigin
This is the URL that users will enter to load your instance

Type: string

Default:

```
""
```

Example:

```
"https://cryptpad.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/cryptpad.nix>

services.cryptpad.settings.installMethod
Install method is listed in telemetry if you agree to it through the consentToContact setting in the admin panel.

Type: string

Default:

```
"nixos"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/cryptpad.nix>

services.cryptpad.settings.logLevel
Controls log level

Type: string

Default:

```
"info"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/cryptpad.nix>

services.cryptpad.settings.logToStdout
Controls whether log output should go to stdout of the systemd service

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/cryptpad.nix>

services.cryptpad.settings.maxWorkers
Number of child processes, defaults to number of cores available

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cryptpad.nix>

services.cryptpad.settings.websocketPort
Port for the websocket that needs to be separate

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3003
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/cryptpad.nix>

services.cyrus−imap.enable
Whether to enable Cyrus IMAP, an email, contacts and calendar server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/cyrus−imap.nix>

services.cyrus−imap.cyrusConfigFile
Path to the configuration file used for Cyrus.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/mail/cyrus−imap.nix>

services.cyrus−imap.cyrusSettings
Cyrus configuration settings. See **cyrus.conf(5)**

Type: open submodule of attribute set of attribute set of (boolean or signed integer or list of string)

Declared by:
<nixpkgs/nixos/modules/services/mail/cyrus−imap.nix>

services.cyrus−imap.cyrusSettings.DAEMON
This section lists long running daemons to start before any SERVICES are spawned. **master**(8) will ensure that these processes are running, restarting any process which dies or forks. All listed processes will be shutdown when **master**(8) is exiting.

Type: unspecified value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/mail/cyrus−imap.nix>

services.cyrus−imap.cyrusSettings.EVENTS

This section lists processes that should be run at specific intervals, similar to cron jobs. This section is typically used to perform scheduled cleanup/maintenance.

Type: unspecified value

Default:

```
{
  checkpoint = {
    cmd = [
      "ctl_cyrusdb"
      "−c"
    ];
    period = 30;
  };
  deleteprune = {
    at = 430;
    cmd = [
      "cyr_expire"
      "−E"
      "4"
      "−D"
      "28"
    ];
  };
  delprune = {
    at = 400;
    cmd = [
      "cyr_expire"
      "−E"
      "3"
    ];
  };
  expungeprune = {
    at = 445;
    cmd = [
      "cyr_expire"
      "−E"
      "4"
      "−X"
      "28"
    ];
  };
  tlsprune = {
    at = 400;
    cmd = [
      "tls_prune"
    ];
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/mail/cyrus-imap.nix>

services.cyrus-imap.cyrusSettings.SERVICES

This section is the heart of the cyrus.conf file. It lists the processes that should be spawned to handle client connections made on certain Internet/UNIX sockets.

Type: unspecified value

Default:

```
{
  imap = {
    cmd = [
      "imapd"
    ];
    listen = "imap";
    prefork = 0;
  };
  lmtpunix = {
    cmd = [
      "lmtpd"
    ];
    listen = "/run/cyrus/lmtp";
    prefork = 0;
  };
  notify = {
    cmd = [
      "notifyd"
    ];
    listen = "/run/cyrus/notify";
    prefork = 0;
    proto = "udp";
  };
  pop3 = {
    cmd = [
      "pop3d"
    ];
    listen = "pop3";
    prefork = 0;
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/mail/cyrus-imap.nix>

services.cyrus-imap.cyrusSettings.START

This section lists the processes to run before any SERVICES are spawned. This section is typically used to initialize databases. Master itself will not startup until all tasks in START have completed, so put no blocking commands here.

Type: unspecified value

Default:

```
{
  recover = {
    cmd = [
```

```
        "ctl_cyrusdb"
        "-r"
      ];
    };
  }
```

Declared by:
<nixpkgs/nixos/modules/services/mail/cyrus-imap.nix>

services.cyrus-imap.debug
Whether to enable debugging messages for the Cyrus master process.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/cyrus-imap.nix>

services.cyrus-imap.group
Cyrus IMAP group name. If this is not set, a group named ‘cyrus’ will be created.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/mail/cyrus-imap.nix>

services.cyrus-imap.imapdConfigFile
Path to the configuration file used for cyrus-imap.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/mail/cyrus-imap.nix>

services.cyrus-imap.imapdSettings
IMAP configuration settings. See **imapd.conf(5)**

Type: open submodule of attribute set of (string or signed integer or boolean or list of string)

Default:

```
{
  admins = [
    "cyrus"
  ];
  allowplaintext = true;
  defaultdomain = "localhost";
  defaultpartition = "default";
  duplicate_db_path = "/run/cyrus/db/deliver.db";
  hashimapspool = true;
  httpmodules = [
```

```
    "carddav"
    "caldav"
  ];
  mboxname_lockpath = "/run/cyrus/lock";
  partition-default = "/var/lib/cyrus/storage";
  popminpoll = 1;
  proc_path = "/run/cyrus/proc";
  ptscache_db_path = "/run/cyrus/db/ptscache.db";
  sasl_auto_transition = true;
  sasl_pwcheck_method = [
    "saslauthd"
  ];
  sievedir = "/var/lib/cyrus/sieve";
  statuscache_db_path = "/run/cyrus/db/statuscache.db";
  syslog_prefix = "cyrus";
  tls_client_ca_dir = "/etc/ssl/certs";
  tls_session_timeout = 1440;
  tls_sessions_db_path = "/run/cyrus/db/tls_sessions.db";
  virtdomains = "on";
}
```

Declared by:
<nixpkgs/nixos/modules/services/mail/cyrus-imap.nix>

services.cyrus-imap.imapdSettings.configdirectory
The pathname of the IMAP configuration directory.

Type: absolute path

Default:

```
"/var/lib/cyrus"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/cyrus-imap.nix>

services.cyrus-imap.imapdSettings.idlesocket
Unix socket that idled listens on.

Type: absolute path

Default:

```
"/run/cyrus/idle"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/cyrus-imap.nix>

services.cyrus-imap.imapdSettings.lmtpsocket
Unix socket that lmtpd listens on, used by **deliver**(8). This should match the path specified in **cyrus.conf**(5).

Type: absolute path

Default:

```
"/run/cyrus/lmtp"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/cyrus-imap.nix>

services.cyrus−imap.imapdSettings.notifysocket

Unix domain socket that the mail notification daemon listens on.

Type: absolute path

Default:

```
"/run/cyrus/notify"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/cyrus−imap.nix>

services.cyrus−imap.listenQueue

Socket listen queue backlog size. See **listen**(2) for more information about a backlog. Default is 32, which may be increased if you have a very high connection rate.

Type: signed integer

Default:

```
32
```

Declared by:

<nixpkgs/nixos/modules/services/mail/cyrus−imap.nix>

services.cyrus−imap.tmpDBDir

Location where DB files are stored. Databases in this directory are recreated upon startup, so ideally they should live in ephemeral storage for best performance.

Type: absolute path

Default:

```
"/run/cyrus/db"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/cyrus−imap.nix>

services.cyrus−imap.user

Cyrus IMAP user name. If this is not set, a user named ‘cyrus’ will be created.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/mail/cyrus−imap.nix>

services.dae.enable

Whether to enable dae, a Linux high−performance transparent proxy solution based on eBPF.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/dae.nix>

services.dae.package

The dae package to use.

Type: package

Default:

```
pkgs.dae
```

Declared by:

<nixpkgs/nixos/modules/services/networking/dae.nix>

services.dae.assets

Assets required to run dae.

Type: list of absolute path

Default:

```
with pkgs; [ v2ray-geoip v2ray-domain-list-community ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/dae.nix>

services.dae.assetsPath

The path which contains geolocation database. This option will override ‘assets’.

Type: string

Default:

```
(symlinkJoin {
    name = "dae-assets";
    paths = assets;
})/share/v2ray
```

Declared by:

<nixpkgs/nixos/modules/services/networking/dae.nix>

services.dae.config

WARNING: This option will expose store your config unencrypted world−readable in the nix store. Config text for dae.

See **https://github.com/daeuniverse/dae/blob/main/example.dae**.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/dae.nix>

services.dae.configFile

The path of dae config file, end with ‘.dae’.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/path/to/your/config.dae"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/dae.nix>

services.dae.disableTxChecksumIpGeneric
See **https://github.com/daeuniverse/dae/issues/43**

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/dae.nix>

services.dae.openFirewall
Open the firewall port.

Type: submodule

Default:

```
{
  enable = true;
  port = 12345;
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/dae.nix>

services.dae.openFirewall.enable
Whether to enable opening **port** in the firewall.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/dae.nix>

services.dae.openFirewall.port
Port to be opened. Consist with field ‘tproxy_port’ in config file.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Declared by:
<nixpkgs/nixos/modules/services/networking/dae.nix>

services.dante.enable
Whether to enable Dante SOCKS proxy.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/dante.nix>

services.dante.config
Contents of Dante's configuration file. NOTE: user.privileged, user.unprivileged and logoutput are set by the service.

Type: strings concatenated with "\n"

Declared by:
<nixpkgs/nixos/modules/services/networking/dante.nix>

services.darkhttpd.enable
Whether to enable DarkHTTPd web server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/darkhttpd.nix>

services.darkhttpd.address
Address to listen on. Pass 'all' to listen on all interfaces.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/darkhttpd.nix>

services.darkhttpd.extraArgs
Additional configuration passed to the executable.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/darkhttpd.nix>

services.darkhttpd.hideServerId
Don't identify the server type in headers or directory listings.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/darkhttpd.nix>

services.darkhttpd.port

Port to listen on. Pass 0 to let the system choose any free port for you.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
80
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/darkhttpd.nix>

services.darkhttpd.rootDir

Path from which to serve files.

Type: absolute path

Declared by:

<nixpkgs/nixos/modules/services/web−servers/darkhttpd.nix>

services.das_watchdog.enable

Whether to enable realtime watchdog.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/das_watchdog.nix>

services.dashy.enable

Whether to enable Dashy, a highly customizable, easy to use, privacy−respecting dashboard app.

Note that this builds a static web app as opposed to running a full node server, unlike the default docker image.

Writing config changes to disk through the UI, triggering a rebuild through the UI and application status checks are unavailable without the node server; Everything else will work fine.

See the deployment docs for **building from source**,

hosting with a CDN and **CDN cloud deploy** for more information. .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dashy.nix>

services.dashy.package

The dashy−ui package to use.

Type: package

Default:

```
pkgs.dashy-ui
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dashy.nix>

services.dashy.finalDrv
Final derivation containing the fully built static files

Type: package *(read only)*

Default:

```
if cfg.settings != {}
then cfg.package.override {inherit (cfg) settings;}
else cfg.package;
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dashy.nix>

services.dashy.settings
Settings serialized into ‘user−data/conf.yml’ before build. If left empty, the default configuration shipped with the package will be used instead.

Note that the full configuration will be written to the nix store as world readable, which may include secrets such as **password hashes**.

To add files such as icons or backgrounds, you can reference them in line such as

```
icon = "$\{./icon.png}";
```

This will add the file to the nix store upon build, referencing it by file path as expected by Dashy.

Type: JSON value

Default:

```
{ }
```

Example:

```
{
  appConfig = {
    cssThemes = [
      "example−theme−1"
      "example−theme−2"
    ];
    enableFontAwesome = true;
    fontAwesomeKey = "e9076c7025";
    theme = "thebe";
  };
  pageInfo = {
    description = "My Awesome Dashboard";
    navLinks = [
      {
        path = "/";
        title = "Home";
      }
      {
        path = "https://example.com";
        title = "Example 1";
      }
      {
        path = "https://example.com";
        title = "Example 2";
```

```
            }
          ];
          title = "Dashy";
        };
        sections = [
          {
            displayData = {
              collapsed = true;
              cols = 2;
              customStyles = "border: 2px dashed red;";
              itemSize = "large";
            };
            items = [
              {
                backgroundColor = "#0079ff";
                color = "#00ffc9";
                description = "Source code and documentation on GitHub" \
;
                icon = "fab fa-github";
                target = "sametab";
                title = "Source";
                url = "https://github.com/Lissy93/dashy";
              }
              {
                description = "View currently open issues, or raise a n \
ew one";
                icon = "fas fa-bug";
                title = "Issues";
                url = "https://github.com/Lissy93/dashy/issues";
              }
              {
                description = "Live Demo #1";
                icon = "fas fa-rocket";
                target = "iframe";
                title = "Demo 1";
                url = "https://dashy-demo-1.as93.net";
              }
              {
                description = "Live Demo #2";
                icon = "favicon";
                target = "newtab";
                title = "Demo 2";
                url = "https://dashy-demo-2.as93.net";
              }
            ];
            name = "Getting Started";
          }
        ];
      }
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/dashy.nix>

services.dashy.virtualHost.enableNginx
Whether to enable a virtualhost to serve dashy through nginx.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dashy.nix>

services.dashy.virtualHost.domain
Domain to use for the virtual host.

This can be used to change nginx options like

```
services.nginx.virtualHosts."$\{config.services.dashy.virtualHost. \
domain}".listen = [ ... ]
```

or

```
services.nginx.virtualHosts."example.com".listen = [ ... ]
```

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dashy.nix>

services.datadog−agent.enable
Whether to enable Datadog−agent v7 monitoring service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/datadog−agent.nix>

services.datadog−agent.enableLiveProcessCollection
Whether to enable the live process collection agent.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/datadog−agent.nix>

services.datadog−agent.enableTraceAgent
Whether to enable the trace agent.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/datadog−agent.nix>

services.datadog−agent.package
The datadog−agent package to use. ::: {.note} The provided package is expected to have an overridable ‘pythonPackages’−attribute which configures the Python environment with the Datadog checks. :::

Type: package

Default:

```
pkgs.datadog−agent
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/datadog−agent.nix>

services.datadog−agent.apiKeyFile
Path to a file containing the Datadog API key to associate the agent with your account.

Type: absolute path

Example:

```
"/run/keys/datadog_api_key"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/datadog−agent.nix>

services.datadog−agent.checks
Configuration for all Datadog checks. Keys of this attribute set will be used as the name of the check to create the appropriate configuration in ‘conf.d/$check.d/conf.yaml’.

The configuration is converted into JSON from the plain Nix language configuration, meaning that you should write configuration adhering to Datadog’s documentation − but in Nix language.

Refer to the implementation of this module (specifically the definition of ‘defaultChecks’) for an example.

Note: The ‘disk’ and ‘network’ check are configured in separate options because they exist by default. Attempting to override their configuration here will have no effect.

Type: attribute set of (attribute set)

Default:

```
{ }
```

Example:

```
{
  http_check = {
    init_config = null;
    instances = [
      {
        name = "some−service";
        tags = [
          "some−service"
        ];
        url = "http://localhost:1337/healthz";
      }
    ];
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/datadog−agent.nix>

services.datadog−agent.ddUrl
Custom dd_url to configure the agent with. Useful if traffic to datadog needs to go through a proxy. Don't use this to point to another datadog site (EU) − use site instead.

Type: null or string

Default:

```
null
```

Example:

```
"http://haproxy.example.com:3834"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/datadog−agent.nix>

services.datadog−agent.diskCheck
Disk check config

Type: attribute set

Default:

```
{
  init_config = { };
  instances = [
    {
      use_mount = "false";
    }
  ];
}
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/datadog−agent.nix>

services.datadog−agent.extraConfig
Extra configuration options that will be merged into the main config file *datadog.yaml*.

Type: attribute set

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/datadog−agent.nix>

services.datadog−agent.extraIntegrations
Extra integrations from the Datadog core−integrations repository that should be built and included.

By default the included integrations are disk, mongo, network, nginx and postgres.

To include additional integrations the name of the derivation and a function to filter its dependencies from the Python package set must be provided.

Type: attribute set

Default:

```
{ }
```

Example:

```
{
```

```
    ntp = pythonPackages: [ pythonPackages.ntplib ];
  }
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/datadog-agent.nix>

services.datadog-agent.hostname
The hostname to show in the Datadog dashboard (optional)

Type: null or string

Default:

```
null
```

Example:

```
"mymachine.mydomain"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/datadog-agent.nix>

services.datadog-agent.logLevel
Logging verbosity.

Type: null or one of “DEBUG”, “INFO”, “WARN”, “ERROR”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/datadog-agent.nix>

services.datadog-agent.networkCheck
Network check config

Type: attribute set

Default:

```
{
  init_config = { };
  instances = [
    {
      collect_connection_state = false;
      excluded_interfaces = [
        "lo"
        "lo0"
      ];
    }
  ];
}
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/datadog-agent.nix>

services.datadog-agent.processAgentPackage
Which DataDog v7 agent package to use. Note that the provided package is expected to have an overridable ‘pythonPackages’-attribute which configures the Python environment with the Datadog checks.

Type: package

Default:

```
pkgs.datadog-process-agent
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/datadog−agent.nix>

services.datadog−agent.site
The datadog site to point the agent towards. Set to datadoghq.eu to point it to their EU site.

Type: null or string

Default:

```
null
```

Example:

```
"datadoghq.eu"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/datadog−agent.nix>

services.datadog−agent.tags
The tags to mark this Datadog agent

Type: null or (list of string)

Default:

```
null
```

Example:

```
[
  "test"
  "service"
]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/datadog−agent.nix>

services.davfs2.enable
Whether to enable davfs2.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/davfs2.nix>

services.davfs2.davGroup
The group of the running mount.davfs daemon. Ordinary users must be member of this group in order to mount a davfs2 file system. Value must be given as name, not as numerical id.

Type: string

Default:

```
"davfs2"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/davfs2.nix>

services.davfs2.davUser

When invoked by root the mount.davfs daemon will run as this user. Value must be given as name, not as numerical id.

Type: string

Default:

```
"davfs2"
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/davfs2.nix>

services.davfs2.settings

Extra settings appended to the configuration of davfs2. See **davfs2.conf**(5) for available settings.

Type: open submodule of attribute set of attribute set of (boolean or signed integer or string or attribute set of (boolean or signed integer or string))

Default:

```
{ }
```

Example:

```
{
  globalSection = {
    proxy = "foo.bar:8080";
    use_locks = false;
  };
  sections = {
    "/media/dav" = {
      use_locks = true;
    };
    "/home/otto/mywebspace" = {
      gui_optimize = true;
    };
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/davfs2.nix>

services.davis.enable

Whether to enable Davis is a caldav and carddav server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.package

The davis package to use.

Type: package

Default:

```
pkgs.davis
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.adminLogin

Username for the admin account.

Type: string

Default:

```
"root"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.adminPasswordFile

The full path to a file that contains the admin’s password. Must be readable by the user.

Type: absolute path

Example:

```
"/run/secrets/davis−admin−pass"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.appSecretFile

A file containing the Symfony APP_SECRET − Its value should be a series of characters, numbers and symbols chosen randomly and the recommended length is around 32 characters. Can be generated with <code>cat /dev/urandom | tr −dc a−zA−Z0−9 | fold −w 48 | head −n 1</code>.

Type: absolute path

Example:

```
"/run/secrets/davis−appsecret"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.config

Type: attribute set of (null or boolean or signed integer or 16 bit unsigned integer; between 0 and 65535 (both inclusive) or absolute path or string or (submodule))

Default:

```
{ }
```

Example:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.dataDir

Davis data directory.

Type: absolute path

Default:

```
"/var/lib/davis"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.database.createLocally

Create the database and database user locally.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.database.driver

Database type, required in all circumstances.

Type: one of “sqlite”, “postgresql”, “mysql”

Default:

```
"sqlite"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.database.name

Database name, only used when the databse is created locally.

Type: null or string

Default:

```
"davis"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.database.urlFile

A file containing the database connection url. If set then it overrides all other database settings (except driver). This is mandatory if you want to use an external database, that is when ‘services.davis.database.createLocally’ is ‘false’.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/davis−db−url"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.group

Group davis runs as.

Type: string

Default:

```
"davis"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.hostname

Domain of the host to serve davis under. You may want to change it if you run Davis on a different URL than davis.yourdomain.

Type: string

Example:

```
"davis.yourdomain.org"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.mail.dsn

Mail DSN for sending emails. Mutually exclusive with ‘services.davis.mail.dsnFile’.

Type: null or string

Default:

```
null
```

Example:

```
"smtp://username:password@example.com:25"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.mail.dsnFile

A file containing the mail DSN for sending emails. Mutually exclusive with ‘servies.davis.mail.dsn’.

Type: null or string

Default:

```
null
```

Example:

```
"/run/secrets/davis−mail−dsn"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.mail.inviteFromAddress

Email address to send invitations from.

Type: null or string

Default:

```
null
```

Example:

```
"no−reply@dav.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx
Use this option to customize an nginx virtual host. To disable the nginx set this to null.

Type: null or (submodule)

Default:

```
{ }
```

Example:

```
  {
    serverAliases = [
      "dav.''${config.networking.domain}"
    ];
    # To enable encryption and let let's encrypt take care of certi \
ficate
    forceSSL = true;
    enableACME = true;
  }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.enableACME
Whether to ask Let's Encrypt to sign a certificate for this vhost. Alternately, you can use an existing certificate through **useACMEHost**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.acmeFallbackHost
Host which to proxy requests to if ACME challenge is not found. Useful if you want multiple hosts to be able to verify the same domain name.

With this option, you could request certificates for the present domain with an ACME client that is running on another host, which you would specify here.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.acmeRoot
Directory for the ACME challenge, which is **public**. Don't put certs or keys in here. Set to null to inherit from config.security.acme.

Type: null or string

Default:

```
"/var/lib/acme/acme−challenge"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.addSSL
Whether to enable HTTPS in addition to plain HTTP. This will set defaults for ‘listen’ to listen on all interfaces on the respective default ports (80, 443).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.basicAuth
Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.basicAuthFile
Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.default
Makes this vhost the default.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.extraConfig
These lines go to the end of the vhost verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.forceSSL
Whether to add a separate nginx server block that redirects (defaults to 301, configurable with 'redirectCode') all plain HTTP traffic to HTTPS. This will set defaults for 'listen' to listen on all interfaces on the respective default ports (80, 443), where the non−SSL listens are used for the redirect vhosts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.globalRedirect
If set, all requests for this host are redirected (defaults to 301, configurable with 'redirectCode') to the given hostname.

Type: null or string

Default:

```
null
```

Example:

```
"newserver.example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.http2
Whether to enable the HTTP/2 protocol. Note that (as of writing) due to nginx's implementation, to disable HTTP/2 you have to disable it on all vhosts that use a given IP address / port. If there is one server block configured to enable http2, then it is enabled for all server blocks on this IP. See **https://stackoverflow.com/a/39466948/263061**.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.http3
Whether to enable the HTTP/3 protocol. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that HTTP/3 support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/** HTTP/3 availability must be manually advertised, preferably in each location block.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.http3_hq

Whether to enable the HTTP/0.9 protocol negotiation used in QUIC interoperability tests. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that special application protocol support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.kTLS

Whether to enable kTLS support. Implementing TLS in the kernel (kTLS) improves performance by significantly reducing the need for copying operations between user space and the kernel. Required Nginx version 1.21.4 or later.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.listen

Listen addresses and ports for this virtual host. IPv6 addresses must be enclosed in square brackets. Note: this option overrides 'addSSL' and 'onlySSL'.

If you only want to set the addresses manually and not the ports, take a look at 'listenAddresses'.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    addr = "195.154.1.1";
    port = 443;
    ssl = true;
  }
  {
    addr = "192.154.1.1";
    port = 80;
  }
  {
    addr = "unix:/var/run/nginx.sock";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.listen.*.addr
Listen address.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.listen.*.extraParameters
Extra parameters of this listen directive.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "backlog=1024"
  "deferred"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.listen.*.port
Port number to listen on. If unset and the listen address is not a socket then nginx defaults to 80.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.listen.*.proxyProtocol
Enable PROXY protocol.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.listen.*.ssl
Enable SSL.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.listenAddresses

Listen addresses for this virtual host. Compared to ‘listen’ this only sets the addresses and the ports are chosen automatically.

Note: This option overrides ‘networking.enableIPv6’

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "127.0.0.1"
  "[::1]"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.locations

Declarative location config

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "/" = {
    proxyPass = "http://localhost:3000";
  };
};
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.locations.<name>.alias

Alias directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/alias/directory"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.locations.<name>.basicAuth

Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.locations.<name>.basicAuthFile
Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.locations.<name>.extraConfig
These lines go to the end of the location verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.locations.<name>.fastcgiParams
FastCGI parameters to override. Unlike in the Nginx configuration file, overriding only some default parameters won’t unset the default values for other parameters.

Type: attribute set of (string or absolute path)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.locations.<name>.index
Adds index directive.

Type: null or string

Default:

```
null
```

Example:

```
"index.php index.html"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.locations.<name>.priority

Order of this location block in relation to the others in the vhost. The semantics are the same as with ‘lib.mkOrder’. Smaller values have a greater priority.

Type: signed integer

Default:

```
1000
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.locations.<name>.proxyPass

Adds proxy_pass directive and sets recommended proxy headers if recommendedProxySettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"http://www.example.org/"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.locations.<name>.proxyWebsockets

Whether to support proxying websocket connections with HTTP/1.1.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.locations.<name>.recommendedProxySettings

Enable recommended proxy settings.

Type: boolean

Default:

```
config.services.nginx.recommendedProxySettings
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.locations.<name>.recommendedUwsgiSettings

Enable recommended uwsgi settings.

Type: boolean

Default:

```
config.services.nginx.recommendedUwsgiSettings
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.locations.<name>.return
Adds a return directive, for e.g. redirections.

Type: null or string or signed integer

Default:

```
null
```

Example:

```
"301 http://example.com$request_uri"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.locations.<name>.root
Root directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/root/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.locations.<name>.tryFiles
Adds try_files directive.

Type: null or string

Default:

```
null
```

Example:

```
"$uri =404"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.locations.<name>.uwsgiPass
Adds uwsgi_pass directive and sets recommended proxy headers if recommendedUwsgiSettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"unix:/run/example/example.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.onlySSL

Whether to enable HTTPS and reject plain HTTP connections. This will set defaults for ‘listen’ to listen on all interfaces on port 443.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.quic

Whether to enable the QUIC transport protocol. Note that QUIC support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.redirectCode

HTTP status used by ‘globalRedirect’ and ‘forceSSL’. Possible usecases include temporary (302, 307) redirects, keeping the request method and body (307, 308), or explicitly resetting the method to GET (303). See **https://developer.mozilla.org/en−US/docs/Web/HTTP/Redirections**.

Type: integer between 300 and 399 (both inclusive)

Default:

```
301
```

Example:

```
308
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.rejectSSL

Whether to listen for and reject all HTTPS connections to this vhost. Useful in **default** server blocks to avoid serving the certificate for another vhost. Uses the ‘ssl_reject_handshake’ directive available in nginx versions 1.19.4 and above.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.reuseport

Create an individual listening socket . It is required to specify only once on one of the hosts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.root
The path of the web root directory.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/data/webserver/docs"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.serverAliases
Additional names of virtual hosts served by this virtual host configuration.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
  "example.org"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.serverName
Name of this virtual host. Defaults to attribute name in virtualHosts.

Type: null or string

Default:

```
null
```

Example:

```
"example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.sslCertificate
Path to server SSL certificate.

Type: absolute path

Example:

```
"/var/host.cert"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.sslCertificateKey
Path to server SSL certificate key.

Type: absolute path

Example:

```
"/var/host.key"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.sslTrustedCertificate
Path to root SSL certificate for stapling and client certificates.

Type: null or absolute path

Default:

```
null
```

Example:

```
"${pkgs.cacert}/etc/ssl/certs/ca−bundle.crt"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.nginx.useACMEHost
A host of an existing Let's Encrypt certificate to use. This is useful if you have many subdomains and want to avoid hitting the **rate limit**. Alternately, you can generate a certificate through **enableACME**. *Note that this option does not create any certificates, nor it does add subdomains to existing ones – you will need to create them manually using* **security.acme.certs**[2].

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/davis.nix>

2. see the **security.acme.certs** option

services.davis.poolConfig
Options for the davis PHP pool. See the documentation on <literal>php−fpm.conf</literal> for details on configuration directives.

Type: attribute set of (string or signed integer or boolean)

Default:

```
{
  pm = "dynamic";
  "pm.max_children" = 32;
  "pm.max_requests" = 500;
  "pm.max_spare_servers" = 4;
  "pm.min_spare_servers" = 2;
  "pm.start_servers" = 2;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davis.user

User davis runs as.

Type: string

Default:

```
"davis"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/davis.nix>

services.davmail.enable

Whether to enable davmail, an MS Exchange gateway.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/mail/davmail.nix>

services.davmail.config

Davmail configuration. Refer to **http://davmail.sourceforge.net/serversetup.html** and **http://davmail.sourceforge.net/advanced.html** for details on supported values.

Type: davmail config type (str, int, bool or attribute set thereof)

Default:

```
{ }
```

Example:

```
{
  davmail.allowRemote = true;
  davmail.imapPort = 55555;
  davmail.bindAddress = "10.0.1.2";
  davmail.smtpSaveInSent = true;
  davmail.folderSizeLimit = 10;
  davmail.caldavAutoSchedule = false;
  log4j.logger.rootLogger = "DEBUG";
}
```

Declared by:

<nixpkgs/nixos/modules/services/mail/davmail.nix>

services.davmail.url

Outlook Web Access URL to access the exchange server, i.e. the base webmail URL.

Type: string

Example:

```
"https://outlook.office365.com/EWS/Exchange.asmx"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/davmail.nix>

services.dawarich.enable

Whether to enable Dawarich, a self−hostable alternative to Google Location History.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dawarich.nix>

services.dawarich.package

The dawarich package to use.

Type: package

Default:

```
pkgs.dawarich
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dawarich.nix>

services.dawarich.automaticMigrations

Whether to perform database migrations automatically

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dawarich.nix>

services.dawarich.configureNginx

Configure nginx as a reverse proxy for dawarich. Alternatively you can configure a reverse−proxy of your choice to serve these paths:

‘/ −> ${pkgs.dawarich}/public’

‘/ −> 127.0.0.1:{{ webPort }} ’(If there was no file in the directory above.)

Make sure that websockets are forwarded properly. You might want to set up caching of some requests. Take a look at dawarich’s provided reverse proxy configurations at ‘https://dawarich.app/docs/tutorials/reverse−proxy’.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dawarich.nix>

services.dawarich.database.createLocally

Whether to configure a local PostgreSQL server and database for Dawarich. The connection is performed via Unix sockets.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dawarich.nix>

services.dawarich.database.host
Hostname or address of the postgresql server. If an absolute path is given here, it will be interpreted as a unix socket path.

Type: string

Default:

```
"/run/postgresql"
```

Example:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dawarich.nix>

services.dawarich.database.name
The name of the dawarich database.

Type: string

Default:

```
"dawarich"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dawarich.nix>

services.dawarich.database.passwordFile
A file containing the password corresponding to **services.dawarich.database.user**.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/dawarich−db−password"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dawarich.nix>

services.dawarich.database.port
Port of the postgresql server.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5432
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dawarich.nix>

services.dawarich.database.user
The database user for dawarich.

Type: string

Default:

```
"dawarich"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dawarich.nix>

services.dawarich.environment
Extra environment variables to pass to all dawarich services.

Type: attribute set of (null or string or absolute path or package)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dawarich.nix>

services.dawarich.extraEnvFiles
Extra environment files to pass to all Dawarich services. Useful for passing down environment secrets.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[
  "/etc/dawarich/secret.env"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dawarich.nix>

services.dawarich.group
Group under which dawarich runs.

Type: string

Default:

```
"dawarich"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dawarich.nix>

services.dawarich.localDomain
The domain serving your Dawarich instance.

Type: string

Example:

```
"dawarich.example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dawarich.nix>

services.dawarich.redis.createLocally
Whether to configure a local Redis server for Dawarich. The connection is performed via Unix sockets by default, but that can be changed by configuring **services.dawarich.redis.host** and **services.dawarich.redis.port**.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dawarich.nix>

services.dawarich.redis.host
The redis host Dawarich will connect to.

Type: string

Default:

```
config.services.redis.servers.dawarich.unixSocket
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dawarich.nix>

services.dawarich.redis.port
The port of the redis server Dawarich will connect to. Set to zero to disable TCP and use Unix sockets instead.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dawarich.nix>

services.dawarich.secretKeyBaseFile
Path to file containing the secret key base. A new secret key base can be generated by running:

‘nix build −f '<nixpkgs>' dawarich; cd result; bin/bundle exec rails secret’

This file is loaded using systemd credentials, and therefore does not need to be owned by the dawarich user.

If this option is null, it will be created at /var/lib/dawarich/secrets/secret−key−base with a new secret key base.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dawarich.nix>

services.dawarich.sidekiqProcesses
How many Sidekiq processes should be used to handle background jobs, and which job classes they handle. Can be used to **speed up** the import process.

Type: attribute set of (submodule)

Default:

```
{
  all = {
    jobClasses = [ ];
    threads = null;
  };
}
```

Example:

```
{
  all = {
    jobClasses = [ ];
    threads = null;
```

```
    };
    geocoding = {
      jobClasses = [
        "reverse_geocoding"
      ];
      threads = 10;
    };
  }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dawarich.nix>

services.dawarich.sidekiqProcesses.<name>.jobClasses
If not empty, which job classes should be executed by this process. *If left empty, all job classes will be executed by this process.*

Type: list of (one of “app_version_checking”, “archival”, “cache”, “data_migrations”, “default”, “digests”, “exports”, “families”, “imports”, “mailers”, “places”, “points”, “reverse_geocoding”, “stats”, “tracks”, “trips”, “visit_suggesting”)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dawarich.nix>

services.dawarich.sidekiqProcesses.<name>.threads
Number of threads this process should use for executing jobs. If null, the configured ‘sidekiqThreads’ are used.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dawarich.nix>

services.dawarich.sidekiqThreads
Worker threads used by the dawarich−sidekiq−all service. If ‘sidekiqProcesses’ is configured and any processes specify null ‘threads’, this value is used.

Type: signed integer

Default:

```
5
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dawarich.nix>

services.dawarich.smtp.fromAddress
“From” address used when sending emails to users.

Type: null or string

Default:

```
null
```

Example:

```
"dawarich@example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dawarich.nix>

services.dawarich.smtp.host
SMTP host used when sending emails to users.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dawarich.nix>

services.dawarich.smtp.passwordFile
Path to file containing the SMTP password.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/dawarich−smtp−password"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dawarich.nix>

services.dawarich.smtp.port
SMTP port used when sending emails to users.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
25
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dawarich.nix>

services.dawarich.smtp.user
SMTP login name.

Type: null or string

Default:

```
null
```

Example:

```
"dawarich@example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dawarich.nix>

services.dawarich.user
User under which dawarich runs. If it is set to “dawarich”, that user will be created, otherwise it should be set to the name of a user created elsewhere.

Type: string

Default:

```
"dawarich"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dawarich.nix>

services.dawarich.webPort
TCP port used by the dawarich web service.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dawarich.nix>

services.db−rest.enable
Whether to enable db−rest service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/db−rest.nix>

services.db−rest.package
The db−rest package to use.

Type: package

Default:

```
pkgs.db−rest
```

Declared by:
<nixpkgs/nixos/modules/services/misc/db−rest.nix>

services.db−rest.group
Group under which db−rest runs.

Type: string

Default:

```
"db−rest"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/db−rest.nix>

services.db−rest.host
The host address the db−rest server should listen on.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/db−rest.nix>

services.db−rest.port

The port the db−rest server should listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Declared by:

<nixpkgs/nixos/modules/services/misc/db−rest.nix>

services.db−rest.redis.enable

Enable caching with redis for db−rest.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/db−rest.nix>

services.db−rest.redis.createLocally

Configure a local redis server for db−rest.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/db−rest.nix>

services.db−rest.redis.host

Redis host.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/misc/db−rest.nix>

services.db−rest.redis.passwordFile

Path to a file containing the redis password.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/db−rest/pasword−redis−db"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/db−rest.nix>

services.db−rest.redis.port
Redis port.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/db−rest.nix>

services.db−rest.redis.useSSL
Use SSL if using a redis network connection.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/db−rest.nix>

services.db−rest.redis.user
Optional username used for authentication with redis.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/db−rest.nix>

services.db−rest.user
User account under which db−rest runs.

Type: string

Default:

```
"db−rest"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/db−rest.nix>

services.dbus.packages
Packages whose D−Bus configuration files should be included in the configuration of the D−Bus system−wide or session−wide message bus. Specifically, files in the following directories will be included into their respective DBus configuration paths: *«pkg»/etc/dbus−1/system.d «pkg»/share/dbus−1/system.d «pkg»/share/dbus−1/system−services «pkg»/etc/dbus−1/session.d «pkg»/share/dbus−1/session.d «pkg»/share/dbus−1/services*

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/system/dbus.nix>

services.dbus.apparmor

AppArmor mode for dbus.

'enabled' enables mediation when it's supported in the kernel, 'disabled' always disables AppArmor even with kernel support, and 'required' fails when AppArmor was not found in the kernel.

Type: one of "enabled", "disabled", "required"

Default:

```
"disabled"
```

Declared by:

<nixpkgs/nixos/modules/services/system/dbus.nix>

services.dbus.brokerPackage

The dbus−broker package to use.

Type: package

Default:

```
pkgs.dbus-broker
```

Declared by:

<nixpkgs/nixos/modules/services/system/dbus.nix>

services.dbus.dbusPackage

The dbus package to use.

Type: package

Default:

```
pkgs.dbus
```

Declared by:

<nixpkgs/nixos/modules/services/system/dbus.nix>

services.dbus.implementation

The implementation to use for the message bus defined by the D−Bus specification. Can be either the classic dbus daemon or dbus−broker, which aims to provide high performance and reliability, while keeping compatibility to the D−Bus reference implementation.

Type: one of "dbus", "broker"

Default:

```
"broker"
```

Declared by:

<nixpkgs/nixos/modules/services/system/dbus.nix>

services.ddccontrol.enable

Whether to enable ddccontrol for controlling displays.

This **enables** 'hardware.i2c', so note to add yourself to 'hardware.i2c.group'. .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/ddccontrol.nix>

services.ddccontrol.package
The package with which to control brightness; added also to **services.dbus.packages**. package to use.

Type: package

Default:

```
pkgs.ddccontrol
```

Example:

```
pkgs.ddcutil-service
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/ddccontrol.nix>

services.ddclient.enable
Whether to synchronise your machine's IP address with a dynamic DNS provider (e.g. dyndns.org).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ddclient.nix>

services.ddclient.package
The ddclient executable package run by the service.

Type: package

Default:

```
pkgs.ddclient
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ddclient.nix>

services.ddclient.configFile
Path to configuration file. When set this overrides the generated configuration from module options.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/root/nixos/secrets/ddclient.conf"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ddclient.nix>

services.ddclient.domains
Domain name(s) to synchronize.

Type: list of string

Default:

```
[
  ""
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ddclient.nix>

services.ddclient.extraConfig
Extra configuration. Contents will be added verbatim to the configuration file.

Note
'daemon' should not be added here because it does not work great with the systemd−timer approach the service uses.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ddclient.nix>

services.ddclient.interval
The interval at which to run the check and update. See **man 7 systemd.time** for the format.

Type: string

Default:

```
"10min"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ddclient.nix>

services.ddclient.passwordFile
A file containing the password or a TSIG key in named format when using the nsupdate protocol.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ddclient.nix>

services.ddclient.protocol
Protocol to use with dynamic DNS provider (see **https://ddclient.net/protocols.html**).

Type: string

Default:

```
"dyndns2"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ddclient.nix>

services.ddclient.quiet
Print no messages for unnecessary updates.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ddclient.nix>

services.ddclient.script
script as required by some providers.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ddclient.nix>

services.ddclient.secretsFile
A file containing the secrets for the dynamic DNS provider. This file should contain lines of valid secrets in the format specified by the ddclient documentation. If this option is set, it overrides the 'passwordFile' option.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ddclient.nix>

services.ddclient.server
Server address.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ddclient.nix>

services.ddclient.ssl
Whether to use SSL/TLS to connect to dynamic DNS provider.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ddclient.nix>

services.ddclient.use
Method to determine the IP address to send to the dynamic DNS provider.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ddclient.nix>

services.ddclient.username
User name.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ddclient.nix>

services.ddclient.usev4
Method to determine the IPv4 address to send to the dynamic DNS provider. Only used if ‘use’ is not set.

Type: string

Default:

```
"webv4, webv4=ipify-ipv4"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ddclient.nix>

services.ddclient.usev6
Method to determine the IPv6 address to send to the dynamic DNS provider. Only used if ‘use’ is not set.

Type: string

Default:

```
"webv6, webv6=ipify-ipv6"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ddclient.nix>

services.ddclient.verbose
Print verbose information.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ddclient.nix>

services.ddclient.zone
zone as required by some providers.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ddclient.nix>

services.ddns-updater.enable
Whether to enable Container to update DNS records periodically with WebUI for many DNS providers.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ddns-updater.nix>

services.ddns−updater.package
The ddns−updater package to use.

Type: package

Default:

```
pkgs.ddns−updater
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ddns−updater.nix>

services.ddns−updater.environment
Environment variables to be set for the ddns−updater service. DATADIR is ignored to enable using systemd DynamicUser. For full list see **https://github.com/qdm12/ddns−updater**

Type: attribute set of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ddns−updater.nix>

services.deconz.enable
Whether to enable deCONZ, a Zigbee gateway for use with ConBee/RaspBee hardware (https://phoscon.de/).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/deconz.nix>

services.deconz.package
The deconz package to use.

Type: package

Default:

```
pkgs.deconz
```

Declared by:
<nixpkgs/nixos/modules/services/networking/deconz.nix>

services.deconz.allowRebootSystem
Whether to enable rebooting the system.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/deconz.nix>

services.deconz.allowRestartService
Whether to enable killing/restarting processes.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/deconz.nix>

services.deconz.allowSetSystemTime
Whether to enable setting the system time.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/deconz.nix>

services.deconz.device
Force deCONZ to use a specific USB device (e.g. /dev/ttyACM0). By default it does a search.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/deconz.nix>

services.deconz.extraArgs
Extra command line arguments for deCONZ, see **https://github.com/dresden-elektronik/deconz-rest-plugin/wiki/deCONZ-command-line-parameters**.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--dbg-info=1"
  "--dbg-err=2"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/deconz.nix>

services.deconz.httpPort

TCP port for the web server.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
80
```

Declared by:

<nixpkgs/nixos/modules/services/networking/deconz.nix>

services.deconz.listenAddress

Pin deCONZ to the network interface specified through the provided IP address. This applies for the webserver as well as the websocket notifications.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/deconz.nix>

services.deconz.openFirewall

Whether to enable opening up the service ports in the firewall.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/deconz.nix>

services.deconz.wsPort

TCP port for the WebSocket.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
443
```

Declared by:

<nixpkgs/nixos/modules/services/networking/deconz.nix>

services.deluge.enable

Whether to enable Deluge daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/deluge.nix>

services.deluge.package

The deluge−2_x package to use.

Type: package

Default:

```
pkgs.deluge-2_x
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/deluge.nix>

services.deluge.authFile

The file managing the authentication for deluge, the format of this file is straightforward, each line contains a username:password:level tuple in plaintext. It only has an effect when **services.deluge.declarative** is set to 'true'. See **https://dev.deluge−torrent.org/wiki/UserGuide/Authentication** for more information.

Type: absolute path

Example:

```
"/run/keys/deluge-auth"
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/deluge.nix>

services.deluge.config

Deluge core configuration for the core.conf file. Only has an effect when **services.deluge.declarative** is set to 'true'. String values must be quoted, integer and boolean values must not. See **https://git.deluge−torrent.org/deluge/tree/deluge/core/preferencesmanager.py#n41** for the available options.

Type: attribute set

Default:

```
{ }
```

Example:

```
{
  download_location = "/srv/torrents/";
  max_upload_speed = "1000.0";
  share_ratio_limit = "2.0";
  allow_remote = true;
  daemon_port = 58846;
  listen_ports = [ 6881 6889 ];
}
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/deluge.nix>

services.deluge.dataDir

The directory where deluge will create files.

Type: absolute path

Default:

```
"/var/lib/deluge"
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/deluge.nix>

services.deluge.declarative

Whether to use a declarative deluge configuration. Only if set to ‘true’, the options **services.deluge.config**, **services.deluge.openFirewall** and **services.deluge.authFile** will be applied.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/deluge.nix>

services.deluge.extraPackages

Extra packages available at runtime to enable Deluge’s plugins. For example, extraction utilities are required for the built−in “Extractor” plugin. This always contains unzip, gnutar, xz and bzip2.

Type: list of package

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/deluge.nix>

services.deluge.group

Group under which deluge runs.

Type: string

Default:

```
"deluge"
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/deluge.nix>

services.deluge.openFilesLimit

Number of files to allow deluged to open.

Type: signed integer or string

Default:

```
4096
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/deluge.nix>

services.deluge.openFirewall

Whether to open the firewall for the ports in **services.deluge.config.listen_ports**. It only takes effet if **services.deluge.declarative** is set to ‘true’.

It does NOT apply to the daemon port nor the web UI port. To access those ports securely check the documentation **https://dev.deluge−torrent.org/wiki/UserGuide/ThinClient#CreateSSHTunnel** or use a VPN or configure certificates for deluge.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/deluge.nix>

services.deluge.user

User account under which deluge runs.

Type: string

Default:

```
"deluge"
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/deluge.nix>

services.deluge.web.enable

Whether to enable Deluge Web daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/deluge.nix>

services.deluge.web.openFirewall

Open ports in the firewall for deluge web daemon

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/deluge.nix>

services.deluge.web.port

Deluge web UI port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8112
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/deluge.nix>

services.dendrite.enable

Whether to enable matrix.org dendrite.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/dendrite.nix>

services.dendrite.environmentFile

Environment file as defined in **systemd.exec**(5). Secrets may be passed to the service without adding them to the world−readable Nix store, by specifying placeholder variables as the option value in Nix and setting these variables accordingly in the environment file. Currently only used for the registration secret to allow secure registration when client_api.registration_disabled is true.

```
  # snippet of dendrite-related config
  services.dendrite.settings.client_api.registration_shared_secret  \
= "$REGISTRATION_SHARED_SECRET";

  # content of the environment file
  REGISTRATION_SHARED_SECRET=verysecretpassword
```

Note that this file needs to be available on the host on which ‘dendrite’ is running.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/lib/dendrite/registration_secret"
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/dendrite.nix>

services.dendrite.httpPort

The port to listen for HTTP requests on.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8008
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/dendrite.nix>

services.dendrite.httpsPort

The port to listen for HTTPS requests on.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/dendrite.nix>

services.dendrite.loadCredential

This can be used to pass secrets to the systemd service without adding them to the nix store. To use the example setting, see the example of **services.dendrite.settings.global.private_key**. See the LoadCredential section of systemd.exec manual for more information.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "private_key:/path/to/my_private_key"
]
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/dendrite.nix>

services.dendrite.openRegistration
Allow open registration without secondary verification (reCAPTCHA).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/dendrite.nix>

services.dendrite.settings
Configuration for dendrite, see: **https://github.com/matrix-org/dendrite/blob/main/dendrite-sample.yaml** for available options with which to populate settings.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/dendrite.nix>

services.dendrite.settings.app_service_api.database.connection_string
Database for the Appservice API.

Type: string

Default:

```
"file:federationapi.db"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/dendrite.nix>

services.dendrite.settings.client_api.registration_disabled
Whether to disable user registration to the server without the shared secret.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/dendrite.nix>

services.dendrite.settings.federation_api.database.connection_string
Database for the Federation API.

Type: string

Default:

```
"file:federationapi.db"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/dendrite.nix>

services.dendrite.settings.global.private_key

The path to the signing private key file, used to sign requests and events.

```
  nix-shell -p dendrite --command "generate-keys --private- \
key matrix_key.pem"
```

Type: absolute path or string matching the pattern ^\$CREDENTIALS_DIRECTORY/.+

Example:

```
"$CREDENTIALS_DIRECTORY/private_key"
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/dendrite.nix>

services.dendrite.settings.global.server_name

The domain name of the server, with optional explicit port. This is used by remote servers to connect to this server. This is also the last part of your UserID.

Type: string

Example:

```
"example.com"
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/dendrite.nix>

services.dendrite.settings.global.trusted_third_party_id_servers

Lists of domains that the server will trust as identity servers to verify third party identifiers such as phone numbers and email addresses

Type: list of string

Default:

```
[
  "matrix.org"
  "vector.im"
]
```

Example:

```
[
  "matrix.org"
]
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/dendrite.nix>

services.dendrite.settings.key_server.database.connection_string

Database for the Key Server (for end-to-end encryption).

Type: string

Default:

```
"file:keyserver.db"
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/dendrite.nix>

services.dendrite.settings.media_api.base_path
Storage path for uploaded media.

Type: string

Default:

```
"/var/lib/dendrite/media_store"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/dendrite.nix>

services.dendrite.settings.media_api.database.connection_string
Database for the Media API.

Type: string

Default:

```
"file:mediaapi.db"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/dendrite.nix>

services.dendrite.settings.mscs.database.connection_string
Database for exerimental MSC's.

Type: string

Default:

```
"file:mscs.db"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/dendrite.nix>

services.dendrite.settings.relay_api.database.connection_string
Database for the Relay Server.

Type: string

Default:

```
"file:relayapi.db"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/dendrite.nix>

services.dendrite.settings.room_server.database.connection_string
Database for the Room Server.

Type: string

Default:

```
"file:roomserver.db"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/dendrite.nix>

services.dendrite.settings.sync_api.database.connection_string
Database for the Sync API.

Type: string

Default:

```
"file:syncserver.db"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/dendrite.nix>

services.dendrite.settings.sync_api.search.enabled
Whether to enable Dendrite's full−text search engine.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/dendrite.nix>

services.dendrite.settings.sync_api.search.index_path
The path the search index will be created in.

Type: string

Default:

```
"/var/lib/dendrite/searchindex"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/dendrite.nix>

services.dendrite.settings.sync_api.search.language
The language most likely to be used on the server − used when indexing, to ensure the returned results match expectations. A full list of possible languages can be found at **https://github.com/blevesearch/bleve/tree/master/analysis/lang**

Type: string

Default:

```
"en"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/dendrite.nix>

services.dendrite.settings.user_api.account_database.connection_string
Database for the User API, accounts.

Type: string

Default:

```
"file:userapi_accounts.db"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/dendrite.nix>

services.dendrite.settings.user_api.device_database.connection_string
Database for the User API, devices.

Type: string

Default:

```
"file:userapi_devices.db"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/dendrite.nix>

services.dendrite.tlsCert
The path to the TLS certificate.

```
nix-shell -p dendrite --command "generate-keys --tls-cert \
server.crt --tls-key server.key"
```

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/lib/dendrite/server.cert"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/dendrite.nix>

services.dendrite.tlsKey
The path to the TLS key.

```
nix-shell -p dendrite --command "generate-keys --tls-cert \
server.crt --tls-key server.key"
```

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/lib/dendrite/server.key"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/dendrite.nix>

services.dependency-track.enable
Whether to enable dependency-track.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/dependency-track.nix>

services.dependency-track.package
The dependency-track package to use.

Type: package

Default:

```
pkgs.dependency-track
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/dependency-track.nix>

services.dependency−track.database.createLocally

Whether a database should be automatically created on the local host. Set this to false if you plan on provisioning a local database yourself.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dependency−track.nix>

services.dependency−track.database.databaseName

Database name to use when connecting to an external or manually provisioned database; has no effect when a local database is automatically provisioned.

To use this with a local database, set **services.dependency−track.database.createLocally** to ‘false’ and create the database and user.

Type: string

Default:

```
"dependency−track"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dependency−track.nix>

services.dependency−track.database.passwordFile

The path to a file containing the database password.

Type: absolute path

Example:

```
"/run/keys/db_password"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dependency−track.nix>

services.dependency−track.database.type

‘h2’ database is not recommended for a production setup. ‘postgresql’ this settings it recommended for production setups. ‘manual’ the module doesn’t handle database settings.

Type: one of “h2”, “postgresql”, “manual”

Default:

```
"postgresql"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dependency−track.nix>

services.dependency−track.database.username

Username to use when connecting to an external or manually provisioned database; has no effect when a local database is automatically provisioned.

To use this with a local database, set **services.dependency−track.database.createLocally** to ‘false’ and create the database and user.

Type: string

Default:

```
"dependency−track"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dependency−track.nix>

services.dependency−track.frontend.baseUrl
The base URL of the API server.

NOTE:

- This URL must be reachable by the browsers of your users.
- The frontend container itself does NOT communicate with the API server directly, it just serves static files.
- When deploying to dedicated servers, please use the external IP or domain of the API server.

Type: string

Default:

```
lib.optionalString config.services.dependency−track.nginx.enable " \
${
  if sslEnabled then "https" else "http"
}://${config.services.dependency−track.nginx.domain}";
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dependency−track.nix>

services.dependency−track.javaArgs
Java options passed to JVM. Configuring this is usually not necessary, but for small systems it can be useful to tweak the JVM heap size.

Type: list of string

Default:

```
[ ]
```

Example:

```
[ "−Xmx16G" ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dependency−track.nix>

services.dependency−track.ldap.bindPasswordFile
The path to a file containing the LDAP bind password.

Type: absolute path

Example:

```
"/run/keys/ldap_bind_password"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dependency−track.nix>

services.dependency−track.logLevel
Log level for dependency−track

Type: one of “INFO”, “WARN”, “ERROR”, “DEBUG”, “TRACE”

Default:

```
"INFO"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dependency−track.nix>

services.dependency−track.nginx.enable
Whether to set up an nginx virtual host.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dependency−track.nix>

services.dependency−track.nginx.domain
The domain name under which to set up the virtual host.

Type: string

Example:

```
"dtrack.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dependency−track.nix>

services.dependency−track.oidc.enable
Whether to enable oidc support.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dependency−track.nix>

services.dependency−track.oidc.clientId
Defines the client ID for OpenID Connect.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dependency−track.nix>

services.dependency−track.oidc.flow
Specifies the OpenID Connect flow to use. Values other than “implicit” will result in the Code+PKCE flow to be used. Usage of the implicit flow is strongly discouraged, but may be necessary when the IdP of choice does not support the Code+PKCE flow. See also:

- **https://oauth.net/2/grant−types/implicit/**
- **https://oauth.net/2/pkce/**

Type: one of “code”, “implicit”

Default:

```
"code"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dependency−track.nix>

services.dependency−track.oidc.issuer
Defines the issuer URL to be used for OpenID Connect. See alpine.oidc.issuer property of the API server.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dependency−track.nix>

services.dependency−track.oidc.loginButtonText
Defines the scopes to request for OpenID Connect. See also: **https://openid.net/specs/openid−connect−basic−1_0.html#Scopes**

Type: string

Default:

```
"Login with OpenID Connect"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dependency−track.nix>

services.dependency−track.oidc.scope
Defines the scopes to request for OpenID Connect. See also: **https://openid.net/specs/openid−connect−basic−1_0.html#Scopes**

Type: string

Default:

```
"openid profile email"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dependency−track.nix>

services.dependency−track.oidc.teamSynchronization
This option will ensure that team memberships for OpenID Connect users are dynamic and synchronized with membership of OpenID Connect groups or assigned roles. When a team is mapped to an OpenID Connect group, all local OpenID Connect users will automatically be assigned to the team if they are a member of the group the team is mapped to. If the user is later removed from the OpenID Connect group, they will also be removed from the team. This option provides the ability to dynamically control user permissions via the identity provider. Note that team synchronization is only performed during user provisioning and after successful authentication.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dependency−track.nix>

services.dependency−track.oidc.teams.claim

Defines the name of the claim that contains group memberships or role assignments in the provider's userinfo endpoint. The claim must be an array of strings. Most public identity providers do not support group or role management. When using a customizable / on−demand hosted identity provider, name, content, and inclusion in the userinfo endpoint will most likely need to be configured.

Type: string

Default:

```
"groups"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dependency−track.nix>

services.dependency−track.oidc.teams.default

Defines one or more team names that auto−provisioned OIDC users shall be added to. Multiple team names may be provided as comma−separated list.

Has no effect when **services.dependency−track.oidc.userProvisioning**=false, or **services.dependency−track.oidc.teamSynchronization**=true.

Type: null or strings concatenated with ","

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dependency−track.nix>

services.dependency−track.oidc.userProvisioning

Specifies if mapped OpenID Connect accounts are automatically created upon successful authentication. When a user logs in with a valid access token but an account has not been previously provisioned, an authentication failure will be returned. This allows admins to control specifically which OpenID Connect users can access the system and which users cannot. When this value is set to true, a local OpenID Connect user will be created and mapped to the OpenID Connect account automatically. This automatic provisioning only affects authentication, not authorization.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dependency−track.nix>

services.dependency−track.oidc.usernameClaim

Defines the name of the claim that contains the username in the provider's userinfo endpoint. Common claims are "name", "username", "preferred_username" or "nickname". See also: **https://openid.net/specs/openid−connect−core−1_0.html#UserInfoResponse**

Type: string

Default:

```
"name"
```

Example:

```
"preferred_username"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dependency−track.nix>

services.dependency−track.port
On which port dependency−track should listen for new HTTP connections.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dependency−track.nix>

services.dependency−track.settings
See **https://docs.dependencytrack.org/getting−started/configuration/#default−configuration** for possible options

Type: open submodule of attribute set of (string, package, bool, int or float)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dependency−track.nix>

services.dependency−track.settings."alpine.data.directory"
Defines the path to the data directory. This directory will hold logs, keys, and any database or index files along with application−specific files or directories.

Type: absolute path

Default:

```
"/var/lib/dependency−track"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dependency−track.nix>

services.dependency−track.settings."alpine.database.driver"
Specifies the JDBC driver class to use.

Type: one of “org.h2.Driver”, “org.postgresql.Driver”, “com.microsoft.sqlserver.jdbc.SQLServerDriver”, “com.mysql.cj.jdbc.Driver”

Default:

```
if config.services.dependency−track.database.type == "h2" then "or \
g.h2.Driver"
else if config.services.dependency−track.database.type == "postgre \
sql" then "org.postgresql.Driver"
else null;
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dependency−track.nix>

services.dependency−track.settings."alpine.database.mode"
Defines the database mode of operation. Valid choices are: ‘server’, ‘embedded’, and ‘external’. In server mode, the database will listen for connections from remote hosts. In embedded mode, the system will be more secure and slightly faster. External mode should be used when utilizing an external database server (i.e. mysql, postgresql, etc).

Type: one of “server”, “embedded”, “external”

Default:

```
if config.services.dependency-track.database.type == "h2" then "em \
bedded"
else if config.services.dependency-track.database.type == "postgre \
sql" then "external"
else null
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/dependency-track.nix>

services.dependency-track.settings."alpine.database.url"
Specifies the JDBC URL to use when connecting to the database.

Type: string

Default:

```
if config.services.dependency-track.database.type == "h2" then "jd \
bc:h2:/var/lib/dependency-track/db"
  else if config.services.dependency-track.database.type == "postg \
resql" then "jdbc:postgresql:${config.services.dependency-track.da \
tabase.name}?socketFactory=org.newsclub.net.unix.AFUNIXSocketFactor \
y$FactoryArg&socketFactoryArg=/run/postgresql/.s.PGSQL.5432"
  else null
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/dependency-track.nix>

services.dependency-track.settings."alpine.database.username"
Specifies the username to use when authenticating to the database.

Type: string

Default:

```
if config.services.dependency-track.database.createLocally then "d \
ependency-track"
else config.services.dependency-track.database.username
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/dependency-track.nix>

services.dependency-track.settings."alpine.ldap.enabled"
Defines if LDAP will be used for user authentication. If enabled, alpine.ldap.* properties should be set accordingly.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/dependency-track.nix>

services.dependency-track.settings."alpine.oidc.client.id"
Defines the client ID to be used for OpenID Connect. The client ID should be the same as the one configured for the frontend, and will only be used to validate ID tokens.

Type: string

Default:

```
config.services.dependency-track.oidc.clientId
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dependency−track.nix>

services.dependency−track.settings."alpine.oidc.enabled"
Defines if OpenID Connect will be used for user authentication. If enabled, alpine.oidc.* properties should be set accordingly.

Type: boolean

Default:

```
config.services.dependency−track.oidc.enable
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dependency−track.nix>

services.dependency−track.settings."alpine.oidc.issuer"
Defines the issuer URL to be used for OpenID Connect. This issuer MUST support provider configuration via the /.well−known/openid−configuration endpoint. See also:

- **https://openid.net/specs/openid−connect−discovery−1_0.html#ProviderMetadata**
- **https://openid.net/specs/openid−connect−discovery−1_0.html#ProviderConfig**

Type: string

Default:

```
config.services.dependency−track.oidc.issuer
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dependency−track.nix>

services.dependency−track.settings."alpine.oidc.team.synchronization"
This option will ensure that team memberships for OpenID Connect users are dynamic and synchronized with membership of OpenID Connect groups or assigned roles. When a team is mapped to an OpenID Connect group, all local OpenID Connect users will automatically be assigned to the team if they are a member of the group the team is mapped to. If the user is later removed from the OpenID Connect group, they will also be removed from the team. This option provides the ability to dynamically control user permissions via the identity provider. Note that team synchronization is only performed during user provisioning and after successful authentication.

Type: boolean

Default:

```
config.services.dependency−track.oidc.teamSynchronization
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dependency−track.nix>

services.dependency−track.settings."alpine.oidc.teams.claim"
Defines the name of the claim that contains group memberships or role assignments in the provider's userinfo endpoint. The claim must be an array of strings. Most public identity providers do not support group or role management. When using a customizable / on−demand hosted identity provider, name, content, and inclusion in the userinfo endpoint will most likely need to be configured.

Type: string

Default:

```
config.services.dependency−track.oidc.teams.claim
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dependency−track.nix>

services.dependency−track.settings."alpine.oidc.teams.default"

Defines one or more team names that auto−provisioned OIDC users shall be added to. Multiple team names may be provided as comma−separated list.

Has no effect when **services.dependency−track.oidc.userProvisioning**=false, or **services.dependency−track.oidc.teamSynchronization**=true.

Type: null or strings concatenated with ","

Default:

```
config.services.dependency-track.oidc.teams.default
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dependency−track.nix>

services.dependency−track.settings."alpine.oidc.user.provisioning"

Specifies if mapped OpenID Connect accounts are automatically created upon successful authentication. When a user logs in with a valid access token but an account has not been previously provisioned, an authentication failure will be returned. This allows admins to control specifically which OpenID Connect users can access the system and which users cannot. When this value is set to true, a local OpenID Connect user will be created and mapped to the OpenID Connect account automatically. This automatic provisioning only affects authentication, not authorization.

Type: boolean

Default:

```
config.services.dependency-track.oidc.userProvisioning
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dependency−track.nix>

services.dependency−track.settings."alpine.oidc.username.claim"

Defines the name of the claim that contains the username in the provider's userinfo endpoint. Common claims are "name", "username", "preferred_username" or "nickname". See also: **https://openid.net/specs/openid−connect−core−1_0.html#UserInfoResponse**

Type: string

Default:

```
config.services.dependency-track.oidc.usernameClaim
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dependency−track.nix>

services.desktopManager.budgie.enable

Whether to enable the Budgie desktop.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/desktop−managers/budgie.nix>

services.desktopManager.budgie.extraGSettingsOverridePackages
List of packages for which GSettings are overridden.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/desktop-managers/budgie.nix>

services.desktopManager.budgie.extraGSettingsOverrides
Additional GSettings overrides.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/desktop-managers/budgie.nix>

services.desktopManager.budgie.extraPlugins
Extra plugins for the Budgie desktop

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.budgie-analogue-clock-applet ]
```

Declared by:
<nixpkgs/nixos/modules/services/desktop-managers/budgie.nix>

services.desktopManager.budgie.sessionPath
Additional list of packages to be added to the session search path. Useful for GSettings-conditional autostart.

Note that this should be a last resort; patching the package is preferred (see GPaste).

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.gpaste ]
```

Declared by:
<nixpkgs/nixos/modules/services/desktop-managers/budgie.nix>

services.desktopManager.cosmic.enable
Whether to enable COSMIC desktop environment.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktop−managers/cosmic.nix>

services.desktopManager.cosmic.showExcludedPkgsWarning
Whether to enable the warning for excluding core packages.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktop−managers/cosmic.nix>

services.desktopManager.cosmic.xwayland.enable
Whether to enable Xwayland support for the COSMIC compositor.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktop−managers/cosmic.nix>

services.desktopManager.gnome.enable
Enable GNOME desktop manager.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/desktop−managers/gnome.nix>

services.desktopManager.gnome.debug
Whether to enable pkgs.gnome−session debug messages.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktop−managers/gnome.nix>

services.desktopManager.gnome.extraGSettingsOverridePackages
List of packages for which gsettings are overridden.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/desktop-managers/gnome.nix>

services.desktopManager.gnome.extraGSettingsOverrides
Additional gsettings overrides.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/desktop-managers/gnome.nix>

services.desktopManager.gnome.flashback.enableMetacity
Whether to enable the standard GNOME Flashback session with Metacity.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktop-managers/gnome.nix>

services.desktopManager.gnome.flashback.customSessions
Other GNOME Flashback sessions to enable.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/desktop-managers/gnome.nix>

services.desktopManager.gnome.flashback.customSessions.*.enableGnomePanel
Whether to enable the GNOME panel in this session.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/desktop-managers/gnome.nix>

services.desktopManager.gnome.flashback.customSessions.*.wmCommand
The executable of the window manager to use.

Type: string

Example:

```
"${pkgs.haskellPackages.xmonad}/bin/xmonad"
```

Declared by:
<nixpkgs/nixos/modules/services/desktop−managers/gnome.nix>

services.desktopManager.gnome.flashback.customSessions.*.wmLabel
The name of the window manager to show in the session chooser.

Type: string

Example:

```
"XMonad"
```

Declared by:
<nixpkgs/nixos/modules/services/desktop−managers/gnome.nix>

services.desktopManager.gnome.flashback.customSessions.*.wmName
A unique identifier for the window manager.

Type: string matching the pattern [a−zA−Z0−9_−]+

Example:

```
"xmonad"
```

Declared by:
<nixpkgs/nixos/modules/services/desktop−managers/gnome.nix>

services.desktopManager.gnome.flashback.panelModulePackages
Packages containing modules that should be made available to ‘pkgs.gnome−panel’ (usually for applets).

If you’re packaging something to use here, please install the modules in ‘$out/lib/gnome−panel/modules’.

Type: list of package

Default:

```
[ pkgs.gnome−applets ]
```

Declared by:
<nixpkgs/nixos/modules/services/desktop−managers/gnome.nix>

services.desktopManager.gnome.sessionPath
Additional list of packages to be added to the session search path. Useful for GNOME Shell extensions or GSettings−conditional autostart.

Note that this should be a last resort; patching the package is preferred (see GPaste).

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.gpaste ]
```

Declared by:
<nixpkgs/nixos/modules/services/desktop−managers/gnome.nix>

services.desktopManager.lomiri.enable
Whether to enable the Lomiri graphical shell (formerly known as Unity8) .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktop-managers/lomiri.nix>

services.desktopManager.pantheon.enable
Enable the pantheon desktop manager

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/desktop-managers/pantheon.nix>

services.desktopManager.pantheon.debug
Whether to enable gnome-session debug messages.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktop-managers/pantheon.nix>

services.desktopManager.pantheon.extraGSettingsOverridePackages
List of packages for which gsettings are overridden.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/desktop-managers/pantheon.nix>

services.desktopManager.pantheon.extraGSettingsOverrides
Additional gsettings overrides.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/desktop-managers/pantheon.nix>

services.desktopManager.pantheon.extraSwitchboardPlugs
Plugs to add to Switchboard.

Type: null or (list of package)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/desktop−managers/pantheon.nix>

services.desktopManager.pantheon.extraWingpanelIndicators
Indicators to add to Wingpanel.

Type: null or (list of package)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/desktop−managers/pantheon.nix>

services.desktopManager.pantheon.sessionPath
Additional list of packages to be added to the session search path. Useful for GSettings−conditional autostart.

Note that this should be a last resort; patching the package is preferred (see GPaste).

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.gpaste ]
```

Declared by:
<nixpkgs/nixos/modules/services/desktop−managers/pantheon.nix>

services.desktopManager.plasma6.enable
Enable the Plasma 6 (KDE 6) desktop environment.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/desktop−managers/plasma6.nix>

services.desktopManager.plasma6.enableQt5Integration
Enable Qt 5 integration (theming, etc). Disable for a pure Qt 6 system.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktop−managers/plasma6.nix>

services.desktopManager.plasma6.notoPackage
The Noto fonts − used for UI by default package to use.

Type: package

Default:

```
pkgs.noto−fonts
```

Example:

```
noto−fonts−lgc−plus
```

Declared by:
<nixpkgs/nixos/modules/services/desktop−managers/plasma6.nix>

services.devmon.enable
Whether to enable devmon, an automatic device mounting daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/devmon.nix>

services.devpi−server.enable
Whether to enable Devpi Server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/devpi−server.nix>

services.devpi−server.package
The devpi−server package to use.

Type: package

Default:

```
pkgs.devpi−server
```

Declared by:
<nixpkgs/nixos/modules/services/misc/devpi−server.nix>

services.devpi−server.extraPackages
Plugins and extra Python packages to be available to devpi−server.

Type: (function that evaluates to a(n) list of package) or (list of package) convertible to it

Default:

```
ps: [ ]
```

Example:

```
ps: with ps; [ devpi−web devpi−ldap ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/devpi−server.nix>

services.devpi−server.host
domain/ip address to listen on

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/devpi-server.nix>

services.devpi-server.openFirewall
Whether to enable opening the default ports in the firewall for Devpi Server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/devpi-server.nix>

services.devpi-server.port
The port on which Devpi Server will listen.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3141
```

Declared by:
<nixpkgs/nixos/modules/services/misc/devpi-server.nix>

services.devpi-server.primaryUrl
Url for the primary node. Required option for replica nodes.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/misc/devpi-server.nix>

services.devpi-server.replica
Run node as a replica. Requires the secretFile option and the primaryUrl to be enabled.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/devpi-server.nix>

services.devpi-server.secretFile
Path to a shared secret file used for synchronization, Required for all nodes in a replica/primary setup.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/devpi-server.nix>

services.dex.enable
Whether to enable the OpenID Connect and OAuth2 identity provider.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dex.nix>

services.dex.package
The dex−oidc package to use.

Type: package

Default:

```
pkgs.dex-oidc
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dex.nix>

services.dex.environmentFile
Environment file (see **systemd.exec**(5) “EnvironmentFile=” section for the syntax) to define variables for dex. This option can be used to safely include secret keys into the dex configuration.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dex.nix>

services.dex.settings
The available options can be found in **the example configuration**.

It’s also possible to refer to environment variables (defined in **services.dex.environmentFile**) using the syntax ‘$VARIABLE_NAME’.

Type: YAML 1.1 value

Default:

```
{ }
```

Example:

```
{
  # External url
  issuer = "http://127.0.0.1:5556/dex";
  storage = {
    type = "postgres";
    config.host = "/var/run/postgres";
  };
  web = {
    http = "127.0.0.1:5556";
  };
  enablePasswordDB = true;
  staticClients = [
    {
      id = "oidcclient";
      name = "Client";
      redirectURIs = [ "https://example.com/callback" ];
      secretFile = "/etc/dex/oidcclient"; # The content of ‘secretF \
```

```
ile‘ will be written into to the config as ‘secret‘.
    }
  ];
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dex.nix>

services.deye−dummycloud.enable
Whether to enable the deye−dummycloud service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/deye−dummycloud.nix>

services.deye−dummycloud.mqttBrokerUrl
MQTT broker URL

Type: string

Default:

```
"mqtt://localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/deye−dummycloud.nix>

services.deye−dummycloud.mqttPassword
MQTT password

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/deye−dummycloud.nix>

services.deye−dummycloud.mqttUsername
MQTT username

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/deye−dummycloud.nix>

services.dgraph.enable
Whether to enable Dgraph native GraphQL database with a graph backend.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/databases/dgraph.nix>

services.dgraph.package
The dgraph package to use.

Type: package

Default:

```
pkgs.dgraph
```

Declared by:
<nixpkgs/nixos/modules/services/databases/dgraph.nix>

services.dgraph.alpha.host
The host which dgraph alpha will be run on.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/dgraph.nix>

services.dgraph.alpha.port
The port which to run dgraph alpha on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
7080
```

Declared by:
<nixpkgs/nixos/modules/services/databases/dgraph.nix>

services.dgraph.settings
Contents of the dgraph config. For more details see **https://dgraph.io/docs/deploy/config**

Type: JSON value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/databases/dgraph.nix>

services.dgraph.zero.host
The host which dgraph zero will be run on.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/dgraph.nix>

services.dgraph.zero.port

The port which to run dgraph zero on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5080
```

Declared by:

<nixpkgs/nixos/modules/services/databases/dgraph.nix>

services.dictd.enable

Whether to enable the DICT.org dictionary server.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/dictd.nix>

services.dictd.DBs

List of databases to make available.

Type: list of package

Default:

```
with pkgs.dictdDBs; [ wiktionary wordnet ]
```

Example:

```
[ pkgs.dictdDBs.nld2eng ]
```

Declared by:

<nixpkgs/nixos/modules/services/misc/dictd.nix>

services.diod.enable

Whether to enable the diod 9P file server.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/diod.nix>

services.diod.allsquash

Remap all users to “nobody”. The attaching user need not be present in the password file.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/diod.nix>

services.diod.authRequired

Allow clients to connect without authentication, i.e. without a valid MUNGE credential.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/diod.nix>

services.diod.exportall

Export all file systems listed in /proc/mounts. If new file systems are mounted after diod has started, they will become immediately mountable. If there is a duplicate entry for a file system in the exports list, any options listed in the exports entry will apply.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/diod.nix>

services.diod.exportopts

Establish a default set of export options. These are overridden, not appended to, by opts attributes in an “exports” entry.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/diod.nix>

services.diod.exports

List the file systems that clients will be allowed to mount. All paths should be fully qualified. The exports table can include two types of element: a string element (as above), or an alternate table element form { path=“/path”, opts=“ro” }. In the alternate form, the (optional) opts attribute is a comma−separated list of export options. The two table element forms can be mixed in the exports table. Note that although diod will not traverse file system boundaries for a given mount due to inode uniqueness constraints, subdirectories of a file system can be separately exported.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/diod.nix>

services.diod.extraConfig

Extra configuration options for diod.conf.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/diod.nix>

services.diod.listen
[“IP:PORT” [,“IP:PORT”,…]] List the interfaces and ports that diod should listen on.

Type: list of string

Default:

```
[
  "0.0.0.0:564"
]
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/diod.nix>

services.diod.logdest
Set the destination for logging. The value has the form of “syslog:facility:level” or “filename”.

Type: string

Default:

```
"syslog:daemon:err"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/diod.nix>

services.diod.nwthreads
Sets the (fixed) number of worker threads created to handle 9P requests for a unique aname.

Type: signed integer

Default:

```
16
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/diod.nix>

services.diod.squashuser
Change the squash user. The squash user must be present in the password file.

Type: string

Default:

```
"nobody"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/diod.nix>

services.diod.statfsPassthru
This option configures statfs to return the host file system’s type rather than V9FS_MAGIC.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/diod.nix>

services.diod.userdb

This option disables password/group lookups. It allows any uid to attach and assumes gid=uid, and supplementary groups contain only the primary gid.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/diod.nix>

services.discourse.enable

Whether to enable Discourse, an open source discussion platform.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.enableACME

Whether an ACME certificate should be used to secure connections to the server.

Type: boolean

Default: true, unless **services.discourse.sslCertificate** and **services.discourse.sslCertificateKey** are set.

Declared by:

<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.package

The discourse package to use.

Type: package

Default:

```
pkgs.discourse
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.admin.email

The admin user email address.

Type: string

Example:

```
"admin@example.com"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.admin.fullName

The admin user’s full name.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.admin.passwordFile
A path to a file containing the admin user's password.

This should be a string, not a nix path, since nix paths are copied into the world−readable nix store.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.admin.skipCreate
Do not create the admin account, instead rely on other existing admin accounts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.admin.username
The admin user username.

Type: string

Example:

```
"admin"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.backendSettings
Additional settings to put in the *discourse.conf* file.

Look in the **discourse_defaults.conf** file in the upstream distribution to find available options.

Setting an option to 'null' means "define variable, but leave right−hand side empty".

Type: attribute set of (null or string or signed integer or boolean or floating point number)

Default:

```
{ }
```

Example:

```
{
  max_reqs_per_ip_per_minute = 300;
  max_reqs_per_ip_per_10_seconds = 60;
  max_asset_reqs_per_ip_per_10_seconds = 250;
  max_reqs_per_ip_mode = "warn+block";
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.database.createLocally

Whether a database should be automatically created on the local host. Set this to ‘false’ if you plan on provisioning a local database yourself. This has no effect if **services.discourse.database.host** is customized.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.database.host

Discourse database hostname. ‘null’ means “prefer local unix socket connection”.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.database.ignorePostgresqlVersion

Whether to allow other versions of PostgreSQL than the recommended one. Only effective when **services.discourse.database.createLocally** is enabled.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.database.name

Discourse database name.

Type: string

Default:

```
"discourse"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.database.passwordFile

File containing the Discourse database user password.

This should be a string, not a nix path, since nix paths are copied into the world−readable nix store.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.database.pool
Database connection pool size.

Type: signed integer

Default:

```
8
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.database.username
Discourse database user.

Type: string

Default:

```
"discourse"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.hostname
The hostname to serve Discourse on.

Type: string

Default:

```
config.networking.fqdnOrHostName
```

Example:

```
"discourse.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.mail.contactEmailAddress
Email address of key contact responsible for this site. Used for critical notifications, as well as on the '/about' contact form for urgent matters.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.mail.incoming.enable
Whether to set up Postfix to receive incoming mail.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.mail.incoming.apiKeyFile

A file containing the Discourse API key used to add posts and messages from mail. If left at its default value ‘null’, one will be automatically generated.

This should be a string, not a nix path, since nix paths are copied into the world−readable nix store.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.mail.incoming.mailReceiverPackage

The discourse−mail−receiver package to use.

Type: package

Default:

```
pkgs.discourse-mail-receiver
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.mail.incoming.replyEmailAddress

Template for reply by email incoming email address, for example: %{reply_key}@reply.example.com or replies+%{reply_key}@example.com

Type: string

Default:

```
"%{reply_key}@${config.services.discourse.hostname}"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.mail.notificationEmailAddress

The ‘from:’ email address used when sending all essential system emails. The domain specified here must have SPF, DKIM and reverse PTR records set correctly for email to arrive.

Type: string

Default:

```
"${if config.services.discourse.mail.incoming.enable then "notifica \
tions" else "noreply"}@${config.services.discourse.hostname}"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.mail.outgoing.enableStartTLSAuto

Whether to try to use StartTLS.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.mail.outgoing.authentication
Authentication type to use, see **https://api.rubyonrails.org/classes/ActionMailer/Base.html**

Type: null or one of “plain”, “login”, “cram_md5”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.mail.outgoing.domain
HELO domain to use for outgoing mail.

Type: string

Default:

```
config.services.discourse.hostname
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.mail.outgoing.forceTLS
Force implicit TLS as per RFC 8314 3.3.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.mail.outgoing.opensslVerifyMode
How OpenSSL checks the certificate, see **https://api.rubyonrails.org/classes/ActionMailer/Base.html**

Type: string

Default:

```
"peer"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.mail.outgoing.passwordFile
A file containing the password of the SMTP server account.

This should be a string, not a nix path, since nix paths are copied into the world−readable nix store.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.mail.outgoing.port
The port of the SMTP server Discourse should use to send email.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
25
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.mail.outgoing.serverAddress
The address of the SMTP server Discourse should use to send email.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.mail.outgoing.username
The username of the SMTP server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.nginx.enable
Whether an ‘nginx’ virtual host should be set up to serve Discourse. Only disable if you’re planning to use a different web server, which is not recommended.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.plugins
Plugins to install as part of Discourse, expressed as a list of derivations.

Type: list of package

Default:

```
[ ]
```

Example:

```
with config.services.discourse.package.plugins; [
  discourse−canned−replies
  discourse−github
];
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.redis.dbNumber
Redis database number.

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.redis.host
Redis server hostname.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.redis.passwordFile
File containing the Redis password.

This should be a string, not a nix path, since nix paths are copied into the world−readable nix store.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.redis.useSSL
Connect to Redis with SSL.

Type: boolean

Default:

```
config.services.discourse.redis.host != "localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.secretKeyBaseFile
The path to a file containing the ‘secret_key_base’ secret.

Discourse uses ‘secret_key_base’ to encrypt the cookie store, which contains session data, and to digest user auth tokens.

Needs to be a 64 byte long string of hexadecimal characters. You can generate one by running

```
openssl rand −hex 64 >/path/to/secret_key_base_file
```

This should be a string, not a nix path, since nix paths are copied into the world−readable nix store.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/secret_key_base"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.sidekiqProcesses

How many Sidekiq processes should be spawned.

Type: signed integer

Default:

```
1
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.siteSettings

Discourse site settings. These are the settings that can be changed from the UI. This only defines their default values: they can still be overridden from the UI.

Available settings can be found by looking in the **site_settings.yml** file of the upstream distribution. To find a setting's path, you only need to care about the first two levels; i.e. its category and name. See the example.

Settings containing secret data should be set to an attribute set containing the attribute '_secret' − a string pointing to a file containing the value the option should be set to. See the example to get a better picture of this: in the resulting *config/nixos_site_settings.json* file, the 'login.github_client_secret' key will be set to the contents of the */run/keys/discourse_github_client_secret* file.

Type: JSON value

Default:

```
{ }
```

Example:

```
{
  required = {
    title = "My Cats";
    site_description = "Discuss My Cats (and be nice plz)";
  };
  login = {
    enable_github_logins = true;
    github_client_id = "a2f6dfe838cb3206ce20";
    github_client_secret._secret = /run/keys/discourse_github_clien \
t_secret;
  };
};
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.sslCertificate

The path to the server SSL certificate. Set this to enable SSL.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/ssl.cert"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.sslCertificateKey
The path to the server SSL certificate key. Set this to enable SSL.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/ssl.key"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.discourse.unicornTimeout
Time in seconds before a request to Unicorn times out.

This can be raised if the system Discourse is running on is too slow to handle many requests within 30 seconds.

Type: signed integer

Default:

```
30
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/discourse.nix>

services.disnix.enable
Whether to enable Disnix.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/disnix.nix>

services.disnix.enableMultiUser
Whether to support multi−user mode by enabling the Disnix D−Bus service

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/disnix.nix>

services.disnix.enableProfilePath
Whether to enable exposing the Disnix profiles in the system's PATH.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/disnix.nix>

services.disnix.package
The disnix package to use.

Type: package

Default:

```
pkgs.disnix
```

Declared by:
<nixpkgs/nixos/modules/services/misc/disnix.nix>

services.disnix.profiles
Names of the Disnix profiles to expose in the system's PATH

Type: list of string

Default:

```
[
  "default"
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/disnix.nix>

services.disnix.useWebServiceInterface
Whether to enable the DisnixWebService interface running on Apache Tomcat.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/disnix.nix>

services.displayManager.enable
Whether to enable shared display manager integration.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/default.nix>

services.displayManager.autoLogin
Auto login configuration attrset.

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/default.nix>

services.displayManager.autoLogin.enable
Automatically log in as **autoLogin.user**.

Type: boolean

Default:

```
config.services.displayManager.autoLogin.user != null
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/default.nix>

services.displayManager.autoLogin.user
User to be used for the automatic login.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/default.nix>

services.displayManager.cosmic−greeter.enable
Whether to enable COSMIC greeter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/cosmic−greeter.nix>

services.displayManager.cosmic−greeter.package
The cosmic−greeter package to use.

Type: package

Default:

```
pkgs.cosmic−greeter
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/cosmic−greeter.nix>

services.displayManager.defaultSession

Graphical session to pre−select in the session chooser (only effective for GDM, LightDM and SDDM).

On GDM, LightDM and SDDM, it will also be used as a session for auto−login.

Set this option to empty string to get an error with a list of currently available sessions.

Type: session name

Default:

```
null
```

Example:

```
"gnome"
```

Declared by:

<nixpkgs/nixos/modules/services/display−managers/default.nix>

services.displayManager.dms−greeter.enable

Whether to enable DankMaterialShell greeter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/display−managers/dms−greeter.nix>

services.displayManager.dms−greeter.package

The DankMaterialShell package to use for the greeter.

Defaults to the package from ‘programs.dms−shell’ if it is enabled, otherwise defaults to ‘pkgs.dms−shell’.

Type: package

Default:

```
if config.programs.dms-shell.enable
then config.programs.dms-shell.package
else pkgs.dms-shell;
```

Declared by:

<nixpkgs/nixos/modules/services/display−managers/dms−greeter.nix>

services.displayManager.dms−greeter.compositor.customConfig

Custom compositor configuration to use for the greeter session.

This configuration is written to a file and passed to the compositor when launching the greeter. The format and available options depend on the selected compositor.

Leave empty to use the system’s default compositor configuration.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
  # Niri example
```

```
input {
    keyboard {
        xkb {
            layout "us"
        }
    }
}
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/dms−greeter.nix>

services.displayManager.dms−greeter.compositor.name
The Wayland compositor to run the greeter in.

The specified compositor must be enabled via its corresponding ‘programs.<compositor>.enable’ option.

Supported compositors:

- niri: A scrollable−tiling Wayland compositor
- hyprland: A dynamic tiling Wayland compositor
- sway: An i3−compatible Wayland compositor

Type: one of “niri”, “hyprland”, “sway”

Example:

```
"niri"
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/dms−greeter.nix>

services.displayManager.dms−greeter.configFiles
List of DankMaterialShell configuration files to copy into the greeter data directory at ‘/var/lib/dms−greeter’.

This is useful for preserving user preferences like wallpapers, themes, and other settings in the greeter screen.

Tip
Use **configHome** instead if your configuration files are in standard XDG locations.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[
  "/home/user/.config/DankMaterialShell/settings.json"
  "/home/user/.local/state/DankMaterialShell/session.json"
]
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/dms−greeter.nix>

services.displayManager.dms−greeter.configHome
Path to a user’s home directory from which to copy DankMaterialShell configuration files.

When set, the following files will be automatically copied to the greeter:

- ‘~/.config/DankMaterialShell/settings.json’
- ‘~/.local/state/DankMaterialShell/session.json’
- ‘~/.cache/DankMaterialShell/dms−colors.json’

If your configuration files are in non−standard locations, use the **configFiles** option instead.

Type: null or string

Default:

```
null
```

Example:

```
"/home/alice"
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/dms−greeter.nix>

services.displayManager.dms−greeter.logs.path
File path where DMS greeter logs will be saved.

This is useful for debugging greeter issues. Logs will include output from both the greeter and the compositor.

Type: absolute path

Default:

```
"/tmp/dms−greeter.log"
```

Example:

```
"/var/log/dms−greeter.log"
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/dms−greeter.nix>

services.displayManager.dms−greeter.logs.save
Whether to enable saving logs from the DMS greeter to a file.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/dms−greeter.nix>

services.displayManager.dms−greeter.quickshell.package
The Quickshell package to use for the greeter.

Defaults to the quickshell package from ‘programs.dms−shell’ if it is enabled, otherwise defaults to ‘pkgs.quickshell’.

Type: package

Default:

```
if config.programs.dms−shell.enable
then config.programs.dms−shell.quickshell.package
else pkgs.quickshell;
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/dms−greeter.nix>

services.displayManager.gdm.enable
Whether to enable GDM, the GNOME Display Manager.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/gdm.nix>

services.displayManager.gdm.autoLogin.delay
Seconds of inactivity after which the autologin will be performed.

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/services/display−managers/gdm.nix>

services.displayManager.gdm.autoSuspend
On the GNOME Display Manager login screen, suspend the machine after inactivity. (Does not affect automatic suspend while logged in, or at lock screen.)

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/gdm.nix>

services.displayManager.gdm.banner
Optional message to display on the login screen.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
foo
bar
baz
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/gdm.nix>

services.displayManager.gdm.debug
Whether to enable debugging messages in GDM.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/gdm.nix>

services.displayManager.gdm.extraPackages
Additional packages to add to XDG_DATA_DIRS for GDM. The '/share' directory of each package will be added to the data path.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.gnome−themes−extra ]
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/gdm.nix>

services.displayManager.gdm.settings
Options passed to the gdm daemon. See **here** for supported options.

Type: attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Example:

```
{
  debug = {
    enable = true;
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/gdm.nix>

services.displayManager.gdm.wayland
Allow GDM to run on Wayland instead of Xserver.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/gdm.nix>

services.displayManager.generic.enable
Whether to enable generic display manager integration − deprecated.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/generic.nix>

services.displayManager.generic.environment

Additional environment variables needed by the display manager.

Type: attribute set of unspecified value

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/display−managers/generic.nix>

services.displayManager.generic.execCmd

Command to start the display manager.

Type: null or string

Default:

```
null
```

Example:

```
"${pkgs.lightdm}/bin/lightdm"
```

Declared by:

<nixpkgs/nixos/modules/services/display−managers/generic.nix>

services.displayManager.generic.preStart

Script executed before the display manager is started.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
"rm −f /var/log/my−display−manager.log"
```

Declared by:

<nixpkgs/nixos/modules/services/display−managers/generic.nix>

services.displayManager.hiddenUsers

A list of users which will not be shown in the display manager.

Type: list of string

Default:

```
[
  "nobody"
]
```

Declared by:

<nixpkgs/nixos/modules/services/display−managers/default.nix>

services.displayManager.lemurs.enable

Whether to enable lemurs, a customizable TUI display/login manager.

Note
For Wayland compositors, your user must be in the “seat” group.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/lemurs.nix>

services.displayManager.lemurs.package
The lemurs package to use.

Type: package

Default:

```
pkgs.lemurs
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/lemurs.nix>

services.displayManager.lemurs.settings
Configuration for lemurs, provided as a Nix attribute set and automatically serialized to TOML. See **lemurs configuration documentation** for available options.

Type: TOML value

Default:

```
{ }
```

Example:

```
{
  do_log = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/lemurs.nix>

services.displayManager.logToFile
Whether the display manager redirects the output of the session script to *~/.xsession−errors*.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/default.nix>

services.displayManager.logToJournal
Whether the display manager redirects the output of the session script to the systemd journal.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/default.nix>

services.displayManager.ly.enable
Whether to enable ly as the display manager.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/ly.nix>

services.displayManager.ly.package
The ly package to use.

Type: package

Default:

```
pkgs.ly
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/ly.nix>

services.displayManager.ly.settings
Extra settings merged in and overwriting defaults in config.ini.

Type: attribute set of (INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Example:

```
{
  load = false;
  save = false;
}
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/ly.nix>

services.displayManager.ly.x11Support
Whether to enable support for X11

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/ly.nix>

services.displayManager.plasma−login−manager.enable
Whether to enable Plasma Login Manager.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/plasma−login−manager.nix>

services.displayManager.plasma−login−manager.package
The plasma−login−manager package to use.

Type: package

Default:

```
pkgs.kdePackages.plasma−login−manager
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/plasma−login−manager.nix>

services.displayManager.plasma−login−manager.settings
Additional settings for Plasma Login Manager (see ‘man plasmalogin.conf’)

Type: attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Example:

```
{
  Users = {
    ReuseSession = false;
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/plasma−login−manager.nix>

services.displayManager.sddm.enable
Whether to enable sddm as the display manager.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/sddm.nix>

services.displayManager.sddm.enableHidpi
Whether to enable automatic HiDPI mode.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/sddm.nix>

services.displayManager.sddm.package
The sddm package to use.

Type: package

Default:

```
pkgs.kdePackages.sddm
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/sddm.nix>

services.displayManager.sddm.autoLogin.minimumUid
Minimum user ID for auto−login user.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
1000
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/sddm.nix>

services.displayManager.sddm.autoLogin.relogin
If true automatic login will kick in again on session exit (logout), otherwise it will only log in automatically when the display−manager is started.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/sddm.nix>

services.displayManager.sddm.autoNumlock
Enable numlock at login.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/sddm.nix>

services.displayManager.sddm.extraPackages
Extra Qt plugins / QML libraries to add to the environment.

Type: list of package

Default:

```
"[]"
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/sddm.nix>

services.displayManager.sddm.settings
Extra settings merged in and overwriting defaults in sddm.conf.

Type: attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Example:

```
{
  Autologin = {
    Session = "plasma.desktop";
    User = "john";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/sddm.nix>

services.displayManager.sddm.setupScript
A script to execute when starting the display server. DEPRECATED, please use **services.xserver.displayManager.setupCommands**.

Type: string

Default:
```
""
```

Example:
```
# workaround for using NVIDIA Optimus without Bumblebee
xrandr −−setprovideroutputsource modesetting NVIDIA−0
xrandr −−auto
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/sddm.nix>

services.displayManager.sddm.stopScript
A script to execute when stopping the display server.

Type: string

Default:
```
""
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/sddm.nix>

services.displayManager.sddm.theme
Greeter theme to use.

Type: string

Default:
```
""
```

Example:
```
"${pkgs.where−is−my−sddm−theme.override { variants = [ "qt5" ]; \
 }}/share/sddm/themes/where_is_my_sddm_theme_qt5"
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/sddm.nix>

services.displayManager.sddm.wayland.enable
Whether to enable experimental Wayland support.

Type: boolean

Default:
```
false
```

Example:
```
true
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/sddm.nix>

services.displayManager.sddm.wayland.compositor

The compositor to use: kwin, weston

Type: one of “kwin”, “weston”

Default:

```
"weston"
```

Declared by:

<nixpkgs/nixos/modules/services/display−managers/sddm.nix>

services.displayManager.sessionPackages

A list of packages containing x11 or wayland session files to be passed to the display manager.

Type: list of package with provided sessions

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/display−managers/default.nix>

services.distccd.enable

Whether to enable distccd, a distributed C/C++ compiler.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/development/distccd.nix>

services.distccd.package

The distcc package to use.

Type: package

Default:

```
pkgs.distcc
```

Declared by:

<nixpkgs/nixos/modules/services/development/distccd.nix>

services.distccd.allowedClients

Client IPs which are allowed to connect to distccd in CIDR notation.

Anyone who can connect to the distccd server can run arbitrary commands on that system as the distcc user, therefore you should use this judiciously.

Type: list of string

Default:

```
[
  "127.0.0.1"
]
```

Example:

```
[
  "127.0.0.1"
```

```
  "192.168.0.0/24"
  "10.0.0.0/24"
]
```

Declared by:
<nixpkgs/nixos/modules/services/development/distccd.nix>

services.distccd.jobTimeout
Maximum duration, in seconds, of a single compilation request.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/development/distccd.nix>

services.distccd.logLevel
Set the minimum severity of error that will be included in the log file. Useful if you only want to see error messages rather than an entry for each connection.

Type: null or one of “critical”, “error”, “warning”, “notice”, “info”, “debug”

Default:

```
"warning"
```

Declared by:
<nixpkgs/nixos/modules/services/development/distccd.nix>

services.distccd.maxJobs
Maximum number of tasks distccd should execute at lib.any time.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/development/distccd.nix>

services.distccd.nice
Niceness of the compilation tasks.

Type: null or integer between −20 and 19 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/development/distccd.nix>

services.distccd.openFirewall
Opens the specified TCP port for distcc.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/development/distccd.nix>

services.distccd.port

The TCP port which distccd will listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3632
```

Declared by:

<nixpkgs/nixos/modules/services/development/distccd.nix>

services.distccd.stats.enable

Whether to enable statistics reporting via HTTP server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/development/distccd.nix>

services.distccd.stats.port

The TCP port which the distccd statistics HTTP server will listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3633
```

Declared by:

<nixpkgs/nixos/modules/services/development/distccd.nix>

services.distccd.zeroconf

Whether to register via mDNS/DNS−SD

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/development/distccd.nix>

services.dkimproxy−out.enable

Whether to enable dkimproxy_out.

Note that a key will be auto−generated, and can be found in /var/lib/dkimproxy−out.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/mail/dkimproxy−out.nix>

services.dkimproxy−out.domains

List of domains DKIMproxy can sign for.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "example.org"
  "example.com"
]
```

Declared by:

<nixpkgs/nixos/modules/services/mail/dkimproxy−out.nix>

services.dkimproxy−out.keySize

Size of the RSA key to use to sign outgoing emails. Note that the maximum mandatorily verified as per RFC6376 is 2048.

Type: signed integer

Default:

```
2048
```

Declared by:

<nixpkgs/nixos/modules/services/mail/dkimproxy−out.nix>

services.dkimproxy−out.listen

Address:port DKIMproxy should listen on.

Type: string

Example:

```
"127.0.0.1:10027"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/dkimproxy−out.nix>

services.dkimproxy−out.relay

Address:port DKIMproxy should forward mail to.

Type: string

Example:

```
"127.0.0.1:10028"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/dkimproxy−out.nix>

services.dkimproxy−out.selector

The selector to use for DKIM key identification.

For example, if ‘selector1’ is used here, then for each domain ‘example.org’ given in ‘domain’, ‘selector1._domainkey.example.org’ should contain the TXT record indicating the public key is the one in /var/lib/dkimproxy−out/public.key: “v=DKIM1; t=s; p=[THE PUBLIC KEY]”.

Type: string

Example:

```
"selector1"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/dkimproxy-out.nix>

services.dleyna.enable
Whether to enable dleyna-renderer and dleyna-server service, a DBus service for handling DLNA servers and renderers.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/dleyna.nix>

services.dnscache.enable
Whether to run the dnscache caching dns server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/dnscache.nix>

services.dnscache.clientIps
Client IP addresses (or prefixes) from which to accept connections.

Type: list of string

Default:

```
[
  "127.0.0.1"
]
```

Example:

```
[
  "192.168"
  "172.23.75.82"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/dnscache.nix>

services.dnscache.domainServers
Table of {hostname: server} pairs to use as authoritative servers for hosts (and subhosts). If entry for @ is not specified predefined list of root servers is used.

Type: attribute set of list of string

Default:

```
{ }
```

Example:

```
{
  "@" = ["8.8.8.8" "8.8.4.4"];
  "example.com" = ["192.168.100.100"];
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/dnscache.nix>

services.dnscache.forwardOnly
Whether to treat root servers (for @) as caching servers, requesting addresses the same way a client does. This is needed if you want to use e.g. Google DNS as your upstream DNS.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/dnscache.nix>

services.dnscache.ip
IP address on which to listen for connections.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/dnscache.nix>

services.dnscrypt−proxy.enable
Whether to enable dnscrypt−proxy.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/dnscrypt−proxy.nix>

services.dnscrypt−proxy.package
The dnscrypt−proxy package to use.

Type: package

Default:

```
pkgs.dnscrypt−proxy
```

Declared by:
<nixpkgs/nixos/modules/services/networking/dnscrypt−proxy.nix>

services.dnscrypt−proxy.configFile
Path to TOML config file. See: **https://github.com/DNSCrypt/dnscrypt−proxy/blob/master/dnscrypt−proxy/example−dnscrypt−proxy.toml** If this option is set, it will override any configuration done in options.services.dnscrypt−proxy.settings.

Type: absolute path

Default: TOML file generated from **services.dnscrypt−proxy.settings**

Example:

```
"/etc/dnscrypt−proxy/dnscrypt−proxy.toml"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/dnscrypt−proxy.nix>

services.dnscrypt−proxy.settings
Attrset that is converted and passed as TOML config file. For available params, see: **https://github.com/DNSCrypt/dnscrypt−proxy/blob/2.1.15/dnscrypt−proxy/example−dnscrypt−proxy.toml**

Type: attribute set

Default:

```
{ }
```

Example:

```
{
  sources.public−resolvers = {
    urls = [ "https://download.dnscrypt.info/resolvers−list/v2/pub \
lic−resolvers.md" ];
    cache_file = "public−resolvers.md";
    minisign_key = "RWQf6LRCGA9i53mlYecO4IzT51TGPpvWucNSCh1CBM0QTaL \
n73Y7GFO3";
    refresh_delay = 72;
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/dnscrypt−proxy.nix>

services.dnscrypt−proxy.upstreamDefaults
Whether to base the config declared in **services.dnscrypt−proxy.settings** on the upstream example config (**https://github.com/DNSCrypt/dnscrypt−proxy/blob/master/dnscrypt−proxy/example−dnscrypt−proxy.toml**)

Disable this if you want to declare your dnscrypt config from scratch.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/dnscrypt−proxy.nix>

services.dnsdist.enable
Whether to enable dnsdist domain name server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/dnsdist.nix>

services.dnsdist.dnscrypt.enable

Whether to enable a DNSCrypt endpoint to dnsdist.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/dnsdist.nix>

services.dnsdist.dnscrypt.certLifetime

The lifetime (in minutes) of the resolver certificate. This will be automatically rotated before expiration.

Type: positive integer, meaning >0

Default:

```
15
```

Declared by:

<nixpkgs/nixos/modules/services/networking/dnsdist.nix>

services.dnsdist.dnscrypt.listenAddress

Listen IP address of the endpoint

Type: string

Default:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/dnsdist.nix>

services.dnsdist.dnscrypt.listenPort

Listen port of the endpoint

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
443
```

Declared by:

<nixpkgs/nixos/modules/services/networking/dnsdist.nix>

services.dnsdist.dnscrypt.providerKey

The filepath to the provider secret key. If not given a new provider key pair will be generated in /var/lib/dnsdist on the first run.

Note
The file must be readable by the dnsdist user/group.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/dnsdist.nix>

services.dnsdist.dnscrypt.providerName
The name that will be given to this DNSCrypt resolver.

> **Note**
> The provider name must start with ‘2.dnscrypt−cert.’.

Type: string

Default:

```
2.dnscrypt-cert.${config.networking.hostName}
```

Example:

```
"2.dnscrypt-cert.myresolver"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/dnsdist.nix>

services.dnsdist.extraConfig
Extra lines to be added verbatim to dnsdist.conf.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/dnsdist.nix>

services.dnsdist.listenAddress
Listen IP address

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/dnsdist.nix>

services.dnsdist.listenPort
Listen port

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
53
```

Declared by:
<nixpkgs/nixos/modules/services/networking/dnsdist.nix>

services.dnsmasq.enable
Whether to run dnsmasq.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/dnsmasq.nix>

services.dnsmasq.package

The dnsmasq package to use.

Type: package

Default:

```
pkgs.dnsmasq
```

Declared by:

<nixpkgs/nixos/modules/services/networking/dnsmasq.nix>

services.dnsmasq.alwaysKeepRunning

If enabled, systemd will always respawn dnsmasq even if shut down manually. The default, disabled, will only restart it on error.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/dnsmasq.nix>

services.dnsmasq.configFile

Path to the configuration file of dnsmasq.

Type: package *(read only)*

Default:

```
Path of dnsmasq config file
```

Declared by:

<nixpkgs/nixos/modules/services/networking/dnsmasq.nix>

services.dnsmasq.resolveLocalQueries

Whether dnsmasq should resolve local queries (i.e. add 127.0.0.1 to /etc/resolv.conf).

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/dnsmasq.nix>

services.dnsmasq.settings

Configuration of dnsmasq. Lists get added one value per line (empty lists and false values don't get added, though false values get turned to comments). Gets merged with

```
{
  dhcp-leasefile = "/var/lib/dnsmasq/dnsmasq.leases";
  conf-file = optional cfg.resolveLocalQueries "/etc/dnsmasq-conf \
.conf";
  resolv-file = optional cfg.resolveLocalQueries "/etc/dnsmasq-re \
solv.conf";
}
```

Type: open submodule of attribute set of (atom (null, bool, int, float or string) or a list of them for duplicate keys)

Default:

```
{ }
```

Example:

```
{
  domain-needed = true;
  dhcp-range = [ "192.168.0.2,192.168.0.254" ];
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/dnsmasq.nix>

services.dnsmasq.settings.server
The DNS servers which dnsmasq should query.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "8.8.8.8"
  "8.8.4.4"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/dnsmasq.nix>

services.dnsproxy.enable
Whether to enable dnsproxy.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/dnsproxy.nix>

services.dnsproxy.package
The dnsproxy package to use.

Type: package

Default:

```
pkgs.dnsproxy
```

Declared by:
<nixpkgs/nixos/modules/services/networking/dnsproxy.nix>

services.dnsproxy.flags
A list of extra command-line flags to pass to dnsproxy. For details on the available options, see **https://github.com/AdguardTeam/dnsproxy#usage**. Keep in mind that options passed through command-line flags override config options.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--upstream=1.1.1.1:53"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/dnsproxy.nix>

services.dnsproxy.settings

Contents of the *config.yaml* config file. The '--config-path' argument will only be passed if this set is not empty.

See **https://github.com/AdguardTeam/dnsproxy/blob/master/config.yaml.dist**.

Type: YAML 1.1 value

Default:

```
{ }
```

Example:

```
{
  bootstrap = [
    "8.8.8.8:53"
  ];
  listen-addrs = [
    "0.0.0.0"
  ];
  listen-ports = [
    53
  ];
  upstream = [
    "1.1.1.1:53"
  ];
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/dnsproxy.nix>

services.do-agent.enable

Whether to enable do-agent, the DigitalOcean droplet metrics agent.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/do-agent.nix>

services.dockerRegistry.enable

Whether to enable Docker Registry.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/docker−registry.nix>

services.dockerRegistry.enableDelete
Enable delete for manifests and blobs.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/docker−registry.nix>

services.dockerRegistry.enableGarbageCollect
Whether to enable garbage collect.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/docker−registry.nix>

services.dockerRegistry.enableRedisCache
Whether to enable redis as blob cache.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/docker−registry.nix>

services.dockerRegistry.package
The distribution package to use.

Type: package

Default:

```
pkgs.distribution
```

Example:

```
gitlab−container−registry
```

Declared by:
<nixpkgs/nixos/modules/services/misc/docker−registry.nix>

services.dockerRegistry.configFile
Path to CNCF distribution config file.

Setting this option will override any configuration applied by the extraConfig option.

Type: absolute path

Default:

```
pkgs.writeText "docker-registry-config.yml" "# my custom docker- \
registry-config.yml ..."
```

Declared by:
<nixpkgs/nixos/modules/services/misc/docker-registry.nix>

services.dockerRegistry.extraConfig
Docker extra registry configuration.

Type: attribute set

Default:

```
{ }
```

Example:

```
{
  log.level = "debug";
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/docker-registry.nix>

services.dockerRegistry.garbageCollectDates
Specification (in the format described by **systemd.time**(7)) of the time at which the garbage collect will occur.

Type: string

Default:

```
"daily"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/docker-registry.nix>

services.dockerRegistry.listenAddress
Docker registry host or ip to bind to.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/docker-registry.nix>

services.dockerRegistry.openFirewall
Opens the port used by the firewall.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/docker−registry.nix>

services.dockerRegistry.port
Docker registry port to bind to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5000
```

Declared by:
<nixpkgs/nixos/modules/services/misc/docker−registry.nix>

services.dockerRegistry.redisPassword
Set redis password.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/misc/docker−registry.nix>

services.dockerRegistry.redisUrl
Set redis host and port.

Type: string

Default:

```
"localhost:6379"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/docker−registry.nix>

services.dockerRegistry.storagePath
Docker registry storage path for the filesystem storage backend. Set to null to configure another backend via extraConfig.

Type: null or absolute path

Default:

```
"/var/lib/docker−registry"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/docker−registry.nix>

services.docling−serve.enable
Whether to enable Docling Serve server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/docling−serve.nix>

services.docling−serve.package

The docling−serve package to use.

Type: package

Default:

```
pkgs.docling-serve
```

Declared by:

<nixpkgs/nixos/modules/services/misc/docling−serve.nix>

services.docling−serve.environment

Extra environment variables for Docling Serve. For more details see **https://github.com/docling−project/docling−serve/blob/main/docs/configuration.md**

Type: attribute set of string

Default:

```
{
  DOCLING_SERVE_ENABLE_UI = "False";
}
```

Example:

```
{
  DOCLING_SERVE_ENABLE_UI = "True";
}
```

Declared by:

<nixpkgs/nixos/modules/services/misc/docling−serve.nix>

services.docling−serve.environmentFile

Environment file to be passed to the systemd service. Useful for passing secrets to the service to prevent them from being world−readable in the Nix store.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/lib/secrets/doclingServeSecrets"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/docling−serve.nix>

services.docling−serve.host

The host address which the Docling Serve server HTTP interface listens to.

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/docling−serve.nix>

services.docling−serve.openFirewall

Whether to open the firewall for Docling Serve. This adds ‘services.Docling Serve.port’ to ‘networking.firewall.allowedTCPPorts’.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/docling−serve.nix>

services.docling−serve.port

Which port the Docling Serve server listens to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5001
```

Example:

```
11111
```

Declared by:

<nixpkgs/nixos/modules/services/misc/docling−serve.nix>

services.docling−serve.stateDir

State directory of Docling Serve.

Type: absolute path

Default:

```
"/var/lib/docling−serve"
```

Example:

```
"/home/foo"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/docling−serve.nix>

services.documize.enable

Whether to enable Documize Wiki.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/documize.nix>

services.documize.package

The documize−community package to use.

Type: package

Default:

```
pkgs.documize−community
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/documize.nix>

services.documize.cert
The *cert.pem* file used for https.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/documize.nix>

services.documize.db
Database specific connection string for example:

- MySQL/Percona/MariaDB: ‘user:password@tcp(host:3306)/documize’
- MySQLv8+: ‘user:password@tcp(host:3306)/documize?allowNativePasswords=true’
- PostgreSQL: ‘host=localhost port=5432 dbname=documize user=admin password=secret sslmode=disable’
- MSSQL: ‘sqlserver://username:password@localhost:1433?database=Documize’ or ‘sqlserver://sa@localhost/SQLExpress?database=Documize’

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/documize.nix>

services.documize.dbtype
Specify the database provider: ‘mysql’, ‘percona’, ‘mariadb’, ‘postgresql’, ‘sqlserver’

Type: one of “mysql”, “percona”, “mariadb”, “postgresql”, “sqlserver”

Default:

```
"postgresql"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/documize.nix>

services.documize.forcesslport
Redirect given http port number to TLS.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/documize.nix>

services.documize.key
The *key.pem* file used for https.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/documize.nix>

services.documize.location
reserved

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/documize.nix>

services.documize.offline
Set ‘true’ for offline mode.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/documize.nix>

services.documize.port
The http/https port number.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5001
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/documize.nix>

services.documize.salt
The salt string used to encode JWT tokens, if not set a random value will be generated.

Type: null or string

Default:

```
null
```

Example:

```
"3edIYV6c8B28b19fh"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/documize.nix>

services.documize.stateDirectoryName
The name of the directory below */var/lib/private* where documize runs in and stores, for example, backups.

Type: string

Default:

```
"documize"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/documize.nix>

services.docuseal.enable

Whether to enable DocuSeal, open source document signing.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/docuseal.nix>

services.docuseal.package

The docuseal package to use.

Type: package

Default:

```
pkgs.docuseal
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/docuseal.nix>

services.docuseal.extraConfig

Extra environment variables to pass to DocuSeal services.

Type: attribute set

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/docuseal.nix>

services.docuseal.extraEnvFiles

Extra environment files to pass to DocuSeal services. Useful for passing down environmental secrets. e.g. DATABASE_URL

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[
  "/etc/docuseal/s3config.env"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/docuseal.nix>

services.docuseal.host

DocuSeal host.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/docuseal.nix>

services.docuseal.port
DocuSeal port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/docuseal.nix>

services.docuseal.redis.createLocally
Whether to create a local redis automatically.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/docuseal.nix>

services.docuseal.redis.host
Redis server address.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/docuseal.nix>

services.docuseal.redis.name
Name of the redis server. Only used if ‘createLocally’ is set to true.

Type: string

Default:

```
"docuseal"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/docuseal.nix>

services.docuseal.redis.port
Port of the redis server.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
6379
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/docuseal.nix>

services.docuseal.secretKeyBaseFile
Path to file containing the secret key base. A new secret key base can be generated by running:

‘openssl rand −hex 64’

If this file does not exist, it will be created with a new secret key base.

Type: absolute path

Default:

```
"/var/lib/docuseal/secrets/secret-key-base"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/docuseal.nix>

services.docuum.enable
Whether to enable docuum daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/admin/docuum.nix>

services.docuum.deletionChunkSize
Removes specified quantity of images at a time.

Type: signed integer

Default:

```
1
```

Example:

```
10
```

Declared by:
<nixpkgs/nixos/modules/services/admin/docuum.nix>

services.docuum.keep
Prevents deletion of images for which repository:tag matches the specified regex.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "^my-image"
]
```

Declared by:
<nixpkgs/nixos/modules/services/admin/docuum.nix>

services.docuum.minAge
Sets the minimum age of images to be considered for deletion.

Type: null or string

Default:

```
null
```

Example:

```
"1d"
```

Declared by:
<nixpkgs/nixos/modules/services/admin/docuum.nix>

services.docuum.threshold
Threshold for deletion in bytes, like ‘10 GB’, ‘10 GiB’, ‘10GB’ or percentage−based thresholds like ‘50%’

Type: string

Default:

```
"10 GB"
```

Example:

```
"50%"
```

Declared by:
<nixpkgs/nixos/modules/services/admin/docuum.nix>

services.doh−proxy−rust.enable
Whether to enable doh−proxy−rust.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/doh−proxy−rust.nix>

services.doh−proxy−rust.flags
A list of command−line flags to pass to doh−proxy. For details on the available options, see **https://github.com/jedisct1/doh−server#usage**.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "−−server−address=9.9.9.9:53"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/doh−proxy−rust.nix>

services.doh−server.enable
Whether to enable DNS−over−HTTPS server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/doh−server.nix>

services.doh−server.package
The dns−over−https package to use.

Type: package

Default:

```
pkgs.dns-over-https
```

Declared by:
<nixpkgs/nixos/modules/services/networking/doh−server.nix>

services.doh−server.configFile
The config file for the doh−server. Setting this option will override any configuration applied by the ‘settings’ option.

Type: absolute path

Example:

```
"/path/to/doh-server.conf"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/doh−server.nix>

services.doh−server.settings
Configuration of doh−server in toml. See example in **https://github.com/m13253/dns−over−https/blob/master/doh−server/doh−server.conf**

Type: open submodule of (TOML value)

Default:

```
{ }
```

Example:

```
{
  listen = [
    ":8153"
  ];
  upstream = [
    "udp:127.0.0.1:53"
  ];
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/doh−server.nix>

services.doh−server.settings.ecs_allow_non_global_ip
By default, non global IP addresses are never forwarded to upstream servers. This is to prevent two things from happening:

1. the upstream server knowing your private LAN addresses;
2. the upstream server unable to provide geographically near results, or even fail to provide any result. However, if you are deploying a split tunnel corporation network environment, or for any other reason you want to inhibit this behavior and allow local (eg RFC1918) address to be forwarded, change the following option to “true”.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/doh−server.nix>

services.doh−server.settings.ecs_use_precise_ip
If ECS is added to the request, let the full IP address or cap it to 24 or 128 mask. This option is to be used only on private networks where knowledge of the terminal endpoint may be required for security purposes (eg. DNS Firewalling). Not a good option on the internet where IP address may be used to identify the user and not only the approximate location.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/doh−server.nix>

services.doh−server.settings.listen
HTTP listen address and port

Type: list of string

Default:

```
[
  "127.0.0.1:8053"
  "[::1]:8053"
]
```

Example:

```
[
  ":443"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/doh−server.nix>

services.doh−server.settings.log_guessed_client_ip
Enable log IP from HTTPS−reverse proxy header: X−Forwarded−For or X−Real−IP Note: http uri/useragent log cannot be controlled by this config

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/doh−server.nix>

services.doh−server.settings.path

HTTP path for resolve application

Type: string

Default:

```
"/dns−query"
```

Example:

```
"/dns−query"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/doh−server.nix>

services.doh−server.settings.timeout

Upstream timeout

Type: signed integer

Default:

```
10
```

Example:

```
15
```

Declared by:

<nixpkgs/nixos/modules/services/networking/doh−server.nix>

services.doh−server.settings.tries

Number of tries if upstream DNS fails

Type: signed integer

Default:

```
3
```

Example:

```
5
```

Declared by:

<nixpkgs/nixos/modules/services/networking/doh−server.nix>

services.doh−server.settings.upstream

Upstream DNS resolver. If multiple servers are specified, a random one will be chosen each time. You can use “udp”, “tcp” or “tcp−tls” for the type prefix. For “udp”, UDP will first be used, and switch to TCP when the server asks to or the response is too large. For “tcp”, only TCP will be used. For “tcp−tls”, DNS−over−TLS (RFC 7858) will be used to secure the upstream connection.

Type: list of string

Default:

```
[
  "udp:1.1.1.1:53"
  "udp:1.0.0.1:53"
  "udp:8.8.8.8:53"
  "udp:8.8.4.4:53"
]
```

Example:

```
[
  "udp:127.0.0.1:53"
```

```
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/doh−server.nix>

services.doh−server.settings.verbose
Enable logging

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/doh−server.nix>

services.doh−server.useACMEHost
A host of an existing Let's Encrypt certificate to use. *Note that this option does not create any certificates, nor it does add subdomains to existing ones – you will need to create them manually using* **security.acme.certs**[1].

Type: null or string

Default:

```
null
```

Example:

```
"doh.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/doh−server.nix>

1. see the **security.acme.certs** option

services.dokuwiki.sites
Specification of one or more DokuWiki sites to serve

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dokuwiki.nix>

services.dokuwiki.sites.<name>.package
The dokuwiki package to use.

Type: package

Default:

```
pkgs.dokuwiki
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dokuwiki.nix>

services.dokuwiki.sites.<name>.acl

Access Control Lists: see **https://www.dokuwiki.org/acl** Mutually exclusive with services.dokuwiki.aclFile Set this to a value other than null to take precedence over aclFile option.

Warning: Consider using aclFile instead if you do not want to store the ACL in the world−readable Nix store.

Type: null or (list of (submodule))

Default:

```
null
```

Example:

```
[
  {
    page = "start";
    actor = "@external";
    level = "read";
  }
  {
    page = "*";
    actor = "@users";
    level = "upload";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dokuwiki.nix>

services.dokuwiki.sites.<name>.acl.*.actor

User or group to restrict

Type: string

Example:

```
"@external"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dokuwiki.nix>

services.dokuwiki.sites.<name>.acl.*.level

Permission level to restrict the actor(s) to. See **https://www.dokuwiki.org/acl#background_info** for explanation

Type: one of 4, 16, 2, 0, 1, 8, “create”, “delete”, “edit”, “none”, “read”, “upload”

Example:

```
"read"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dokuwiki.nix>

services.dokuwiki.sites.<name>.acl.*.page

Page or namespace to restrict

Type: string

Example:

```
"start"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dokuwiki.nix>

services.dokuwiki.sites.<name>.aclFile
Location of the dokuwiki acl rules. Mutually exclusive with services.dokuwiki.acl which is preferred. Consult documentation **https://www.dokuwiki.org/acl** for further instructions. Example: **https://github.com/splitbrain/dokuwiki/blob/master/conf/acl.auth.php.dist**

Type: null or string

Default:

```
"/var/lib/dokuwiki/‹name›/acl.auth.php"
```

Example:

```
"/var/lib/dokuwiki/‹name›/acl.auth.php"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dokuwiki.nix>

services.dokuwiki.sites.<name>.extraConfigs
Path(s) to additional configuration files that are then linked to the ‘conf’ directory.

Type: attribute set of absolute path

Default:

```
{ }
```

Example:

```
{
  "acronyms.local.conf" = pkgs.writeText "acronyms.local.conf" ''
    r13y  reproducibility
  '';
  "entities.local.conf" = ./dokuwiki−entities;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dokuwiki.nix>

services.dokuwiki.sites.<name>.mergedConfig
Read only representation of the final configuration.

Type: unspecified value *(read only)*

Default:

```
{
  useacl = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dokuwiki.nix>

services.dokuwiki.sites.<name>.phpOptions
Options for PHP’s php.ini file for this dokuwiki site.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
```

```
    "opcache.interned_strings_buffer" = "8";
    "opcache.max_accelerated_files" = "10000";
    "opcache.memory_consumption" = "128";
    "opcache.revalidate_freq" = "15";
    "opcache.fast_shutdown" = "1";
  }
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dokuwiki.nix>

services.dokuwiki.sites.<name>.phpPackage

The php package to use.

Type: package

Default:

```
pkgs.php84
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dokuwiki.nix>

services.dokuwiki.sites.<name>.plugins

List of path(s) to respective plugin(s) which are copied into the ‘plugin’ directory.

Note

These plugins need to be packaged before use, see example.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
let
  plugin−icalevents = pkgs.stdenv.mkDerivation rec {
    name = "icalevents";
    version = "2017−06−16";
    src = pkgs.fetchzip {
      stripRoot = false;
      url = "https://github.com/real−or−random/dokuwiki−plugin− \
icalevents/releases/download/${version}/dokuwiki−plugin−icalevent \
s−${version}.zip";
      hash = "sha256−IPs4+qgEfe8AAWevbcCM9PnyI0uoyamtWeg4rEb+9Wc=" \
;
    };
    installPhase = "mkdir −p $out; cp −R * $out/";
  };
# And then pass this plugin to the plugin list like this:
in [ plugin−icalevents ]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dokuwiki.nix>

services.dokuwiki.sites.<name>.pluginsConfig

List of the dokuwiki (un)loaded plugins.

Type: attribute set of boolean

Default:

```
{
```

```
  authad = false;
  authldap = false;
  authmysql = false;
  authpgsql = false;
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dokuwiki.nix>

services.dokuwiki.sites.<name>.poolConfig

Options for the DokuWiki PHP pool. See the documentation on ‘php−fpm.conf’ for details on configuration directives.

Type: attribute set of (string or signed integer or boolean)

Default:

```
{
  pm = "dynamic";
  "pm.max_children" = 32;
  "pm.max_requests" = 500;
  "pm.max_spare_servers" = 4;
  "pm.min_spare_servers" = 2;
  "pm.start_servers" = 2;
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dokuwiki.nix>

services.dokuwiki.sites.<name>.settings

Structural DokuWiki configuration. Refer to **https://www.dokuwiki.org/config** for details and supported values. Settings can either be directly set from nix, loaded from a file using ‘._file’ or obtained from any PHP function calls using ‘._raw’.

Type: attribute set of anything

Default:

```
{
  superuser = "admin";
  useacl = true;
}
```

Example:

```
{
  title = "My Wiki";
  userewrite = 1;
  disableactions = [ "register" ]; # Will be concatenated with comm \
as
  plugin.smtp = {
    smtp_pass._file = "/var/run/secrets/dokuwiki/smtp_pass";
    smtp_user._raw = "getenv('DOKUWIKI_SMTP_USER')";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dokuwiki.nix>

services.dokuwiki.sites.<name>.stateDir

Location of the DokuWiki state directory.

Type: absolute path

Default:

```
"/var/lib/dokuwiki/‹name›/data"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dokuwiki.nix>

services.dokuwiki.sites.<name>.templates

List of path(s) to respective template(s) which are copied into the ‘tpl’ directory.

Note

These templates need to be packaged before use, see example.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
let
  template−bootstrap3 = pkgs.stdenv.mkDerivation rec {
  name = "bootstrap3";
  version = "2022−07−27";
  src = pkgs.fetchFromGitHub {
    owner = "giterlizzi";
    repo = "dokuwiki−template−bootstrap3";
    rev = "v${version}";
    hash = "sha256−B3Yd4lxdwqfCnfmZdp+i/Mzwn/aEuZ0ovagDxuR6lxo=";
  };
  installPhase = "mkdir −p $out; cp −R * $out/";
};
# And then pass this theme to the template list like this:
in [ template−bootstrap3 ]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dokuwiki.nix>

services.dokuwiki.sites.<name>.usersFile

Location of the dokuwiki users file. List of users. Format:

```
login:passwordhash:Real Name:email:groups,comma,separated
```

Create passwordHash easily by using:

```
mkpasswd −5 password ‘pwgen 8 1‘
```

Example: **https://github.com/splitbrain/dokuwiki/blob/master/conf/users.auth.php.dist**

Type: null or string

Default:

```
"/var/lib/dokuwiki/‹name›/users.auth.php"
```

Example:

```
"/var/lib/dokuwiki/‹name›/users.auth.php"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dokuwiki.nix>

services.dokuwiki.webserver
Whether to use nginx or caddy for virtual host management.

Further nginx configuration can be done by adapting ‘services.nginx.virtualHosts.<name>’. See **services.nginx.virtualHosts** for further information.

Further caddy configuration can be done by adapting ‘services.caddy.virtualHosts.<name>’. See **services.caddy.virtualHosts** for further information.

Type: one of “nginx”, “caddy”

Default:

```
"nginx"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dokuwiki.nix>

services.dolibarr.enable
Whether to enable dolibarr.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.package
The dolibarr package to use.

Type: package

Default:

```
pkgs.dolibarr
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.database.createLocally
Create the database and database user locally.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.database.host
Database host address.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.database.name
Database name.

Type: string

Default:

```
"dolibarr"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.database.passwordFile
Database password file.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/dolibarr−dbpassword"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.database.port
Database host port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3306
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.database.type
Database engine to use.

Type: one of “mysql”, “postgresql”

Default:

```
"mysql"
```

Example:

```
"postgresql"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.database.user
Database username.

Type: string

Default:

```
"dolibarr"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.domain
Domain name of your server.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.group
Group account under which dolibarr runs.

Note
If left as the default value this group will automatically be created on system activation, otherwise you are responsible for ensuring the group exists before the dolibarr application starts.

Type: string

Default:

```
"dolibarr"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.h2o
With this option, you can customize an H2O virtual host which already has sensible defaults for Dolibarr. Set to '{ }' if you do not need any customization to the virtual host. If enabled, then by default, the **serverName** is '${domain}', If this is set to 'null' (the default), no H2O 'hosts' will be configured.

Type: null or (submodule)

Default:

```
null
```

Example:

```
{
  acme.enable = true;
  tls.policy = "force";
  compress = "ON";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.h2o.acme
ACME options for virtual host.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.h2o.acme.enable

Whether to ask Let's Encrypt to sign a certificate for this virtual host. Alternatively, an existing host can be used thru **acme.useHost**.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.h2o.acme.root

Directory for the ACME challenge, which is **public**. Don't put certs or keys in here. Set to 'null' to inherit from config.security.acme.

Type: null or absolute path

Default:

```
"/var/lib/acme/acme−challenge"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.h2o.acme.useHost

An existing Let's Encrypt certificate to use for this virtual host. This is useful if you have many subdomains and want to avoid hitting the **rate limit**. Alternately, you can generate a certificate through **acme.enable**. Note that this option neither creates any certificates nor does it add subdomains to existing ones — you will need to create them manually using **security.acme.certs**.

Type: null or non−empty string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.h2o.host

Set the host address for this virtual host. If unset, the default is to listen on all network interfaces.

Type: null or non−empty string

Default:

```
null
```

Example:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.h2o.http

HTTP options for virtual host

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.h2o.http.port
Override the default HTTP port for this virtual host.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
config.services.h2o.defaultHTTPListenPort
```

Example:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.h2o.serverAliases
Additional names of virtual hosts served by this virtual host configuration.

Type: list of non−empty string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
  "example.org"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.h2o.serverName
Server name to be used for this virtual host. Defaults to attribute name in hosts.

Type: null or non−empty string

Default:

```
null
```

Example:

```
"example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.h2o.settings
Attrset to be transformed into YAML for host config. Note that the HTTP / TLS configurations will override these config values. See **https://h2o.examp1e.net/configure/base_directives.html#hosts**.

Type: attribute set

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.h2o.tls

TLS options for virtual host

Type: null or (submodule)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.h2o.tls.extraSettings

Additional TLS/SSL−related configuration options. See **https://h2o.examp1e.net/configure/base_directives.html#listen−ssl**.

Type: attribute set

Default:

```
{ }
```

Example:

```
{
  minimum−version = "TLSv1.3";
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.h2o.tls.identity

Key / certificate pairs for the virtual host.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    key−file = "/path/to/rsa.key";
    certificate−file = "/path/to/rsa.crt";
  }
  {
    key−file = "/path/to/ecdsa.key";
    certificate−file = "/path/to/ecdsa.crt";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.h2o.tls.identity.*.certificate−file

Path to certificate file. See **https://h2o.examp1e.net/configure/base_directives.html#certificate−file**.

Type: absolute path

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.h2o.tls.identity.*.key−file
Path to key file. See **https://h2o.examp1e.net/configure/base_directives.html#key−file**.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.h2o.tls.policy
'add' will additionally listen for TLS connections. 'only' will disable TLS connections. 'force' will redirect non−TLS traffic to the TLS connection.

Type: one of "add", "only", "force"

Example:

```
"force"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.h2o.tls.port
Override the default TLS port for this virtual host.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
config.services.h2o.defaultTLSListenPort
```

Example:

```
8443
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.h2o.tls.quic
Enables HTTP/3 over QUIC on the UDP port for TLS. The attrset provides fine−turning for QUIC behavior, but can be empty. See **https://h2o.examp1e.net/configure/http3_directives.html#quic−attributes**.

Type: null or (attribute set)

Default:

```
null
```

Example:

```
{
  amp−limit = 2;
  handshake−timeout−rtt−multiplier = 300;
  retry = "ON";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.h2o.tls.recommendations
By default, H2O, without prejudice, will use as many TLS versions & cipher suites as it & the TLS library (OpenSSL) can support. The user is expected to hone settings for the security of their server. Setting some constraints is recommended, & if unsure about what TLS settings to use, this option gives curated TLS settings recommendations from Mozilla's 'SSL Configuration Generator' project (see **https://ssl−config.mozilla.org**) or read more at Mozilla's Wiki (see **https://wiki.mozilla.org/Security/Server_Side_TLS**).

modern
: Services with clients that support TLS 1.3 & don't need backward compatibility

intermediate
: General−purpose servers with a variety of clients, recommended for almost all systems

old
: Compatible with a number of very old clients, & should be used only as a last resort

The default for all virtual hosts can be set with services.h2o.defaultTLSRecommendations, but this value can be overridden on a per−host basis using services.h2o.hosts.<name>.tls.recommmendations. The settings will also be overidden by manual values set with services.settings.h2o.hosts.<name>.tls.extraSettings.

NOTE: older/weaker ciphers might require overriding the OpenSSL version of H2O (such as 'openssl_legacy'). This can be done with sevices.settings.h2o.package.

Type: null or one of "modern", "intermediate", "old"

Default:

```
null
```

Example:

```
"intermediate"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.h2o.tls.redirectCode

HTTP status used by 'globalRedirect' & 'forceSSL'. Possible usecases include temporary (302, 307) redirects, keeping the request method & body (307, 308), or explicitly resetting the method to GET (303). See **https://developer.mozilla.org/en−US/docs/Web/HTTP/Redirections**.

Type: integer between 300 and 399 (both inclusive)

Default:

```
301
```

Example:

```
308
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx

With this option, you can customize an nginx virtual host which already has sensible defaults for Dolibarr. Set to {} if you do not need any customization to the virtual host. If enabled, then by default, the **serverName** is '${domain}', SSL is active, and certificates are acquired via ACME. If this is set to null (the default), no nginx virtualHost will be configured.

Type: null or (submodule)

Default:

```
null
```

Example:

```
{
  serverAliases = [
    "dolibarr.${config.networking.domain}"
    "erp.${config.networking.domain}"
  ];
```

```
  enableACME = false;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/dolibarr.nix>

services.dolibarr.nginx.enableACME
Whether to ask Let's Encrypt to sign a certificate for this vhost. Alternately, you can use an existing certificate through **useACMEHost**.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/dolibarr.nix>

services.dolibarr.nginx.acmeFallbackHost
Host which to proxy requests to if ACME challenge is not found. Useful if you want multiple hosts to be able to verify the same domain name.

With this option, you could request certificates for the present domain with an ACME client that is running on another host, which you would specify here.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/dolibarr.nix>

services.dolibarr.nginx.acmeRoot
Directory for the ACME challenge, which is **public**. Don't put certs or keys in here. Set to null to inherit from config.security.acme.

Type: null or string

Default:

```
"/var/lib/acme/acme-challenge"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/dolibarr.nix>

services.dolibarr.nginx.addSSL
Whether to enable HTTPS in addition to plain HTTP. This will set defaults for 'listen' to listen on all interfaces on the respective default ports (80, 443).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/dolibarr.nix>

services.dolibarr.nginx.basicAuth
Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.basicAuthFile
Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.default
Makes this vhost the default.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.extraConfig
These lines go to the end of the vhost verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.forceSSL
Whether to add a separate nginx server block that redirects (defaults to 301, configurable with ‘redirectCode’) all plain HTTP traffic to HTTPS. This will set defaults for ‘listen’ to listen on all interfaces on the respective default ports (80, 443), where the non−SSL listens are used for the redirect vhosts.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.globalRedirect

If set, all requests for this host are redirected (defaults to 301, configurable with 'redirectCode') to the given hostname.

Type: null or string

Default:

```
null
```

Example:

```
"newserver.example.org"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.http2

Whether to enable the HTTP/2 protocol. Note that (as of writing) due to nginx's implementation, to disable HTTP/2 you have to disable it on all vhosts that use a given IP address / port. If there is one server block configured to enable http2, then it is enabled for all server blocks on this IP. See **https://stackoverflow.com/a/39466948/263061**.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.http3

Whether to enable the HTTP/3 protocol. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that HTTP/3 support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/** HTTP/3 availability must be manually advertised, preferably in each location block.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.http3_hq

Whether to enable the HTTP/0.9 protocol negotiation used in QUIC interoperability tests. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that special application protocol support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.kTLS

Whether to enable kTLS support. Implementing TLS in the kernel (kTLS) improves performance by significantly reducing the need for copying operations between user space and the kernel. Required Nginx version 1.21.4 or later.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.listen

Listen addresses and ports for this virtual host. IPv6 addresses must be enclosed in square brackets. Note: this option overrides ‘addSSL’ and ‘onlySSL’.

If you only want to set the addresses manually and not the ports, take a look at ‘listenAddresses’.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    addr = "195.154.1.1";
    port = 443;
    ssl = true;
  }
  {
    addr = "192.154.1.1";
    port = 80;
  }
  {
    addr = "unix:/var/run/nginx.sock";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.listen.*.addr

Listen address.

Type: string

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.listen.*.extraParameters

Extra parameters of this listen directive.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
```

```
  "backlog=1024"
  "deferred"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.listen.*.port
Port number to listen on. If unset and the listen address is not a socket then nginx defaults to 80.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.listen.*.proxyProtocol
Enable PROXY protocol.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.listen.*.ssl
Enable SSL.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.listenAddresses
Listen addresses for this virtual host. Compared to ‘listen’ this only sets the addresses and the ports are chosen automatically.

Note: This option overrides ‘networking.enableIPv6’

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "127.0.0.1"
  "[::1]"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.locations

Declarative location config

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "/" = {
    proxyPass = "http://localhost:3000";
  };
};
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.locations.<name>.alias

Alias directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/alias/directory"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.locations.<name>.basicAuth

Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.locations.<name>.basicAuthFile

Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.locations.<name>.extraConfig
These lines go to the end of the location verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.locations.<name>.fastcgiParams
FastCGI parameters to override. Unlike in the Nginx configuration file, overriding only some default parameters won’t unset the default values for other parameters.

Type: attribute set of (string or absolute path)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.locations.<name>.index
Adds index directive.

Type: null or string

Default:

```
null
```

Example:

```
"index.php index.html"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.locations.<name>.priority
Order of this location block in relation to the others in the vhost. The semantics are the same as with ‘lib.mkOrder’. Smaller values have a greater priority.

Type: signed integer

Default:

```
1000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.locations.<name>.proxyPass
Adds proxy_pass directive and sets recommended proxy headers if recommendedProxySettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"http://www.example.org/"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.locations.<name>.proxyWebsockets
Whether to support proxying websocket connections with HTTP/1.1.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.locations.<name>.recommendedProxySettings
Enable recommended proxy settings.

Type: boolean

Default:

```
config.services.nginx.recommendedProxySettings
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.locations.<name>.recommendedUwsgiSettings
Enable recommended uwsgi settings.

Type: boolean

Default:

```
config.services.nginx.recommendedUwsgiSettings
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.locations.<name>.return
Adds a return directive, for e.g. redirections.

Type: null or string or signed integer

Default:

```
null
```

Example:

```
"301 http://example.com$request_uri"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.locations.<name>.root
Root directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/root/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.locations.<name>.tryFiles
Adds try_files directive.

Type: null or string

Default:

```
null
```

Example:

```
"$uri =404"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.locations.<name>.uwsgiPass
Adds uwsgi_pass directive and sets recommended proxy headers if recommendedUwsgiSettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"unix:/run/example/example.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.onlySSL
Whether to enable HTTPS and reject plain HTTP connections. This will set defaults for 'listen' to listen on all interfaces on port 443.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.quic
Whether to enable the QUIC transport protocol. Note that QUIC support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.redirectCode
HTTP status used by 'globalRedirect' and 'forceSSL'. Possible usecases include temporary (302, 307) redirects, keeping the request method and body (307, 308), or explicitly resetting the method to GET (303). See **https://developer.mozilla.org/en−US/docs/Web/HTTP/Redirections**.

Type: integer between 300 and 399 (both inclusive)

Default:

```
301
```

Example:

```
308
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.rejectSSL
Whether to listen for and reject all HTTPS connections to this vhost. Useful in **default** server blocks to avoid serving the certificate for another vhost. Uses the 'ssl_reject_handshake' directive available in nginx versions 1.19.4 and above.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.reuseport
Create an individual listening socket . It is required to specify only once on one of the hosts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.root
The path of the web root directory.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/data/webserver/docs"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.serverAliases
Additional names of virtual hosts served by this virtual host configuration.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
  "example.org"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.serverName
Name of this virtual host. Defaults to attribute name in virtualHosts.

Type: null or string

Default:

```
null
```

Example:

```
"example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.sslCertificate
Path to server SSL certificate.

Type: absolute path

Example:

```
"/var/host.cert"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.sslCertificateKey
Path to server SSL certificate key.

Type: absolute path

Example:

```
"/var/host.key"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.sslTrustedCertificate
Path to root SSL certificate for stapling and client certificates.

Type: null or absolute path

Default:

```
null
```

Example:

```
"${pkgs.cacert}/etc/ssl/certs/ca−bundle.crt"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.nginx.useACMEHost
A host of an existing Let's Encrypt certificate to use. This is useful if you have many subdomains and want to avoid hitting the **rate limit**. Alternately, you can generate a certificate through **enableACME**. *Note that this option does not create any certificates, nor it does add subdomains to existing ones – you will need to create them manually using* **security.acme.certs**[2].

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

2. see the **security.acme.certs** option

services.dolibarr.poolConfig
Options for the Dolibarr PHP pool. See the documentation on ‘php−fpm.conf’ for details on configuration directives.

Type: attribute set of (string or signed integer or boolean)

Default:

```
{
  pm = "dynamic";
  "pm.max_children" = 32;
  "pm.max_requests" = 500;
  "pm.max_spare_servers" = 4;
  "pm.min_spare_servers" = 2;
  "pm.start_servers" = 2;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.settings
Dolibarr settings, see **https://github.com/Dolibarr/dolibarr/blob/develop/htdocs/conf/conf.php.example** for details.

Type: attribute set of (boolean or signed integer or string)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.stateDir
State and configuration directory dolibarr will use.

Type: string

Default:

```
"/var/lib/dolibarr"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.dolibarr.user
User account under which dolibarr runs.

Note
If left as the default value this user will automatically be created on system activation, otherwise you are responsible for ensuring the user exists before the dolibarr application starts.

Type: string

Default:

```
"dolibarr"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/dolibarr.nix>

services.domoticz.enable
Whether to enable Domoticz home automation.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/domoticz.nix>

services.domoticz.bind
IP address to bind to.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/domoticz.nix>

services.domoticz.port
Port to bind to for HTTP, set to 0 to disable HTTP.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/misc/domoticz.nix>

services.dovecot2.enable
Whether to enable the dovecot 2.x POP3/IMAP server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.enablePAM
Whether to enable creating a own Dovecot PAM service and configure PAM user logins.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.package
The dovecot package to use.

Type: package

Default:

```
if versionAtLeast config.system.stateVersion "26.05" then pkgs.dove \
cot else pkgs.dovecot_2_3
```

Declared by:
<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.configFile
Config file used for the whole dovecot configuration.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.createMailUser
Whether to enable automatically creating the user given in **services.dovecot2.settings.mail_uid** and the group given in **services.dovecot2.settings.mail_gid**.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.imapsieve.mailbox
Configure Sieve filtering rules on IMAP actions

Note
This option is no longer used starting from Dovecot version 2.4.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.imapsieve.mailbox.*.after
When an IMAP event of interest occurs, this sieve script is executed after any user script respectively.

This setting each specify the location of a single sieve script. The semantics of this setting is similar to sieve_after: the specified scripts form a sequence together with the user script in which the next script is only executed when an (implicit) keep action is executed.

Type: null or absolute path

Default:

```
null
```

Example:

```
./report-spam.sieve
```

Declared by:
<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.imapsieve.mailbox.*.before
When an IMAP event of interest occurs, this sieve script is executed before any user script respectively.

This setting each specify the location of a single sieve script. The semantics of this setting is similar to sieve_before: the specified scripts form a sequence together with the user script in which the next script is only executed when an (implicit) keep action is executed.

Type: null or absolute path

Default:

```
null
```

Example:

```
./report-spam.sieve
```

Declared by:
<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.imapsieve.mailbox.*.causes
Only execute the administrator Sieve scripts for the mailbox configured with services.dovecot2.imapsieve.mailbox.<name>.name when one of the listed IMAPSIEVE causes apply.

This has no effect on the user script, which is always executed no matter the cause.

Type: list of (one of “APPEND”, “COPY”, “FLAG”)

Default:

```
[ ]
```

Example:

```
[
  "COPY"
  "APPEND"
]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.imapsieve.mailbox.*.from
Only execute the administrator Sieve scripts for the mailbox configured with services.dovecot2.imapsieve.mailbox.<name>.name when the message originates from the indicated mailbox.

This setting supports wildcards with a syntax compatible with the IMAP LIST command, meaning that this setting can apply to multiple or even all (“*”) mailboxes.

Type: null or string

Default:

```
null
```

Example:

```
"*"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.imapsieve.mailbox.*.name
This setting configures the name of a mailbox for which administrator scripts are configured.

The settings defined hereafter with matching sequence numbers apply to the mailbox named by this setting.

This setting supports wildcards with a syntax compatible with the IMAP LIST command, meaning that this setting can apply to multiple or even all (“*”) mailboxes.

Type: string

Example:

```
"Junk"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.includeFiles
Files to include in the Dovecot config file using !include directives.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[
  "/foo/bar/extraDovecotConfig.conf"
]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.mailPlugins
Additional entries to add to the mail_plugins variable, globally and per protocol

Type: submodule

Default:

```
{
  globally = {
    enable = [ ];
  };
  perProtocol = { };
}
```

Example:

```
{
  globally = {
    enable = [
      "acl"
    ];
  };
  perProtocol = {
    imap = {
      enable = [
        "imap_acl"
```

```
        ];
      };
    };
  }
```

Declared by:

<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.mailPlugins.globally

Additional entries to add to the mail_plugins variable for all protocols

Type: submodule

Default:

```
{
  enable = [ ];
}
```

Example:

```
{
  enable = [
    "virtual"
  ];
}
```

Declared by:

<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.mailPlugins.globally.enable

mail plugins to enable as a list of strings to append to the top−level ‘$mail_plugins’ configuration variable

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.mailPlugins.perProtocol

Additional entries to add to the mail_plugins variable, per protocol

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  imap = [
    "imap_acl"
  ];
}
```

Declared by:

<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.mailPlugins.perProtocol.<name>.enable

mail plugins to enable as a list of strings to append to the corresponding per−protocol '$mail_plugins' configuration variable

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.settings

Dovecot configuration, see **https://doc.dovecot.org/latest/core/summaries/settings.html#all−dovecot−settings** for all available options.

For information on the configuration structure, see **https://doc.dovecot.org/latest/core/settings/syntax.html**.

Warning

Explicit settings in **services.dovecot2.settings** can silently override values set by other 'services.dovecot2.*' options.

Type: open submodule of attribute set of (Dovecot config value)

Default:

```
{ }
```

Example:

```
{
  mail_attribute = {
    "dict file" = {
      path = "%{home}/dovecot−attributes";
    };
  };
  mail_driver = "maildir";
  mail_home = "/var/vmail/%{user | domain}/%{user | username}";
  mail_path = "~/mail";
  "namespace inbox" = {
    inbox = true;
    separator = "/";
  };
  "protocol imap" = {
    mail_plugins = {
      imap_filter_sieve = true;
      imap_sieve = true;
    };
  };
  protocols = {
    imap = true;
    lmtp = true;
    submission = true;
  };
  service = [
    {
      _section = {
        name = "imap";
```

```
            };
            client_limit = 100;
            "inet_listener imap" = {
              port = 31143;
            };
            "inet_listener imaps" = {
              port = 31993;
            };
            process_min_avail = 1;
          }
          {
            _section = {
              name = "lmtp";
            };
            "unix_listener lmtp" = {
              mode = "0660";
              user = "postfix";
            };
            user = "dovemail";
          }
        ];
      }
```

Declared by:

<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.settings.auth_mechanisms

Here you can supply a space−separated list of the authentication mechanisms you wish to use.

See **https://doc.dovecot.org/latest/core/summaries/settings.html#auth_mechanisms**.

Type: (attribute set of boolean) or list of string

Default:

```
[
  "plain"
  "login"
]
```

Declared by:

<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.settings.base_dir

The base directory in which Dovecot should store runtime data.

See **https://doc.dovecot.org/latest/core/summaries/settings.html#base_dir**.

Type: absolute path

Default:

```
"/run/dovecot2"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.settings.default_internal_group
Define the default internal group.

See **https://doc.dovecot.org/latest/core/summaries/settings.html#default_internal_group**.

Type: string

Default:

```
"dovecot2"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.settings.default_internal_user
Define the default internal user.

See **https://doc.dovecot.org/latest/core/summaries/settings.html#default_internal_user**.

Type: string

Default:

```
"dovecot2"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.settings.dovecot_config_version
Dovecot configuration version. It uses the same versioning as Dovecot in general, e.g. 3.0.5. It specifies the configuration syntax, the used setting names and the expected default values.

See **https://doc.dovecot.org/latest/core/summaries/settings.html#dovecot_config_version**.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.settings.dovecot_storage_version
Dovecot storage file format version. It uses the same versioning as Dovecot in general, e.g. 3.0.5. It specifies the oldest Dovecot version that must be able to read files written by this Dovecot instance.

See **https://doc.dovecot.org/latest/core/summaries/settings.html#dovecot_storage_version**.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.settings.mail_plugin_dir
The directory in which to search for Dovecot mail plugins.

See **https://doc.dovecot.org/latest/core/summaries/settings.html#mail_plugin_dir**.

Type: absolute path

Default:

```
"/run/current-system/sw/lib/dovecot/modules"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.settings.maildir_copy_with_hardlinks
If enabled, copying of a message is done with hard links whenever possible.

See **https://doc.dovecot.org/latest/core/summaries/settings.html#maildir_copy_with_hardlinks**.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.settings."passdb pam"
Configuration for the PAM password database.

See **https://doc.dovecot.org/latest/core/config/auth/databases/pam.html**.

Type: null or (open submodule of attribute set of (Dovecot config value))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.settings."passdb pam".args
Arguments for the passdb backend.

This option is exclusive to Dovecot 2.3.

See **https://doc.dovecot.org/2.3/configuration_manual/authentication/password_databases_passdb/#passdb-setting**.

Type: null or (list of string)

Default:

```
"if isPre24 then [ \"dovecot2\" ] else null"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.settings."passdb pam".driver
The driver used for this password database.

See **https://doc.dovecot.org/latest/core/summaries/settings.html#passdb_driver**.

Type: null or string

Default:

```
if isPre24 then "pam" else null
```

Declared by:
<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.settings."passdb pam".failure_show_msg
Replace the default “Authentication failed” reply with PAM’s failure.

This option is exclusive to Dovecot 2.4.

See **https://doc.dovecot.org/latest/core/summaries/settings.html#passdb_pam_failure_show_msg**.

Type: null or boolean

Default:

```
if isPre24 then null else config.services.dovecot2.showPAMFailure
```

Declared by:

<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.settings."passdb pam".service_name

The PAM service name to be used with the pam passdb.

This option is exclusive to Dovecot 2.4.

See **https://doc.dovecot.org/latest/core/summaries/settings.html#passdb_pam_service_name**.

Type: null or string

Default:

```
if isPre24 then null else "dovecot2"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.settings.plugin

Plugin settings. This option is exclusive to Dovecot 2.3.

Type: null or (open submodule of attribute set of (Dovecot config value))

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.settings.plugin.sieve_extensions

The Sieve language extensions available to users.

This option is exclusive to Dovecot 2.3.

See **https://doc.dovecot.org/2.3/settings/pigeonhole/#pigeonhole_setting-sieve_extensions**.

Type: null or (list of string)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.settings.plugin.sieve_global_extensions

Which Sieve language extensions are **only** available in global scripts.

This option is exclusive to Dovecot 2.3.

See **https://doc.dovecot.org/2.3/settings/pigeonhole/#pigeonhole_setting-sieve_global_extensions**.

Type: null or (list of string)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.settings.plugin.sieve_pipe_bin_dir

Points to a directory where the plugin looks for programs (shell scripts) to execute directly and pipe messages to for the *vnd.dovecot.pipe* extension.

This option is exclusive to Dovecot 2.3.

See **https://doc.dovecot.org/2.3/configuration_manual/sieve/plugins/extprograms/#configuration**.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.settings.plugin.sieve_plugins

List of Sieve plugins to load.

This option is exclusive to Dovecot 2.3.

See **https://doc.dovecot.org/2.3/settings/pigeonhole/#pigeonhole_setting-sieve_plugins**.

Type: null or (list of string)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.settings.sendmail_path

The binary to use for sending email.

See **https://doc.dovecot.org/latest/core/summaries/settings.html#sendmail_path**.

Type: absolute path

Default:

```
"/run/wrappers/bin/sendmail"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.settings.sieve_global_extensions

Which Sieve language extensions are **only** available in global scripts.

This option is exclusive to Dovecot 2.4.

See **https://doc.dovecot.org/latest/core/summaries/settings.html#sieve_global_extensions**.

Type: null or (attribute set of boolean) or list of string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.settings.sieve_pipe_bin_dir

Points to a directory where the plugin looks for programs (shell scripts) to execute directly and pipe messages to for the *vnd.dovecot.pipe* extension.

This option is exclusive to Dovecot 2.4.

See **https://doc.dovecot.org/latest/core/summaries/settings.html#sieve_plugins**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.settings.sieve_plugins
List of Sieve plugins to load.

This option is exclusive to Dovecot 2.4.

See **https://doc.dovecot.org/latest/core/summaries/settings.html#sieve_plugins**.

Type: null or (attribute set of boolean) or list of string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.settings.sieve_script_bin_path
Points to the directory where the compiled binaries for this script location are stored. This directory is created automatically if possible.

This option is exclusive to Dovecot 2.4.

See **https://doc.dovecot.org/latest/core/summaries/settings.html#sieve_script_bin_path**.

Type: null or string

Default:

```
if isPre24 || !hasPigeonhole
then null
else "/tmp/dovecot-%{user|username|lower}"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.settings."userdb passwd"
Configuration for the Passwd user database.

See **https://doc.dovecot.org/latest/core/config/auth/databases/passwd.html**.

Type: null or (open submodule of attribute set of (Dovecot config value))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.settings."userdb passwd".driver
The driver used for this user database.

See **https://doc.dovecot.org/latest/core/summaries/settings.html#userdb_driver**.

Type: null or string

Default:

```
if isPre24 then "passwd" else null
```

Declared by:
<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.showPAMFailure
Whether to enable showing the PAM failure message on authentication error (useful for OTPW).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.sieve.extensions
Sieve extensions for use in user scripts

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "notify"
  "imapflags"
  "vnd.dovecot.filter"
]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.sieve.globalExtensions
Sieve extensions for use in global scripts

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "vnd.dovecot.environment"
]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.sieve.pipeBins
Programs available for use by the vnd.dovecot.pipe extension

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
map lib.getExe [
```

```
  (pkgs.writeShellScriptBin "learn-ham.sh" "exec ${pkgs.rspamd}/bi \
n/rspamc learn_ham")
  (pkgs.writeShellScriptBin "learn-spam.sh" "exec ${pkgs.rspamd}/b \
in/rspamc learn_spam")
]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dovecot2.sieve.scripts
Sieve scripts to be executed. Key is a sequence, e.g. ‘before2’, ‘after’ etc.

Type: attribute set of absolute path

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/mail/dovecot.nix>

services.dragonflydb.enable
Whether to enable DragonflyDB.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/databases/dragonflydb.nix>

services.dragonflydb.bind
The IP interface to bind to. ‘null’ means “all interfaces”.

Type: null or string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/dragonflydb.nix>

services.dragonflydb.cacheMode
Once this mode is on, Dragonfly will evict items least likely to be stumbled upon in the future but only when it is near maxmemory limit.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/databases/dragonflydb.nix>

services.dragonflydb.dbNum

Maximum number of supported databases for ‘select’

Type: null or (unsigned integer, meaning >=0)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/databases/dragonflydb.nix>

services.dragonflydb.keysOutputLimit

Maximum number of returned keys in keys command. ‘keys’ is a dangerous command. We truncate its result to avoid blowup in memory when fetching too many keys.

Type: unsigned integer, meaning >=0

Default:

```
8192
```

Declared by:

<nixpkgs/nixos/modules/services/databases/dragonflydb.nix>

services.dragonflydb.maxMemory

The maximum amount of memory to use for storage (in bytes). ‘null’ means this will be automatically set.

Type: null or (unsigned integer, meaning >=0)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/databases/dragonflydb.nix>

services.dragonflydb.memcachePort

To enable memcached compatible API on this port. ‘null’ means disabled.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/databases/dragonflydb.nix>

services.dragonflydb.port

The TCP port to accept connections.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
6379
```

Declared by:

<nixpkgs/nixos/modules/services/databases/dragonflydb.nix>

services.dragonflydb.requirePass

Password for database

Type: null or string

Default:

```
null
```

Example:

```
"letmein!"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/dragonflydb.nix>

services.dragonflydb.user
The user to run DragonflyDB as

Type: string

Default:

```
"dragonfly"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/dragonflydb.nix>

services.drasl.enable
Whether to enable Drasl.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drasl.nix>

services.drasl.enableDebug
Whether to enable debugging.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drasl.nix>

services.drasl.package
The drasl package to use.

Type: package

Default:

```
pkgs.drasl
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drasl.nix>

services.drasl.settings
Configuration for Drasl. See the **Drasl documentation** for possible options.

Type: open submodule of (TOML value)

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drasl.nix>

services.drasl.settings.RegistrationOIDC
List of OpenID connect providers.

Type: list of (open submodule of (TOML value))

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drasl.nix>

services.drasl.settings.RegistrationOIDC.*.ClientSecretFile
Path to a file containing the OIDC client secret.

Note
The NixOS module will automatically load this file using systemd's LoadCredential. Make sure this file is only readable by the root user.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drasl.nix>

services.draupnir.enable
Whether to enable Draupnir, a moderations bot for Matrix.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/draupnir.nix>

services.draupnir.package
The draupnir package to use.

Type: package

Default:

```
pkgs.draupnir
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/draupnir.nix>

services.draupnir.secrets.accessToken
File containing the access token for Draupnir's Matrix account to be used in place of **services.draupnir.settings.accessToken**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/draupnir.nix>

services.draupnir.secrets.pantalaimon.password
File containing the password for Draupnir's Matrix account when used in conjunction with Pantalaimon to be used in place of **services.draupnir.settings.pantalaimon.password**.

Warning
Take note that upstream has limited Pantalaimon and E2EE support: **https://the-draupnir-project.github.io/draupnir-documentation/bot/encryption** and **https://the-draupnir-project.github.io/draupnir-documentation/shared/dogfood#e2ee-support**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/draupnir.nix>

services.draupnir.secrets.web.synapseHTTPAntispam.authorization
File containing the secret token when using the Synapse HTTP Antispam module to be used in place of **services.draupnir.settings.web.synapseHTTPAntispam.authorization**.

See **https://the-draupnir-project.github.io/draupnir-documentation/bot/synapse-http-antispam** for details.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/draupnir.nix>

services.draupnir.settings
Free-form settings written to Draupnir's configuration file. See **Draupnir's default configuration** for available settings.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Example:

```
{
  homeserverUrl = "https://matrix.org";
  managementRoom = "#moderators:example.org";
  autojoinOnlyIfManager = true;
  automaticallyRedactForReasons = [ "spam" "advertising" ];
}
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/draupnir.nix>

services.draupnir.settings.dataPath
The path Draupnir will store its state/data in.

Warning
This option is read-only.

Note

If you want to customize where this data is stored, use a bind mount.

Type: absolute path *(read only)*

Default:

```
"/var/lib/draupnir"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/draupnir.nix>

services.draupnir.settings.homeserverUrl
Base URL of the Matrix homeserver that provides the Client−Server API.

Note
When using Pantalaimon, set this to the Pantalaimon URL and **services.draupnir.settings.rawHomeserverUrl** to the public URL.

Type: string

Example:

```
"https://matrix.org"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/draupnir.nix>

services.draupnir.settings.managementRoom
The room ID or alias where moderators can use the bot's functionality.

The bot has no access controls, so anyone in this room can use the bot − secure this room! Do not enable end−to−end encryption for this room, unless set up with Pantalaimon.

Warning
When using a room alias, make sure the alias used is on the local homeserver! This prevents an issue where the control room becomes undefined when the alias can't be resolved.

Type: string

Example:

```
"#moderators:example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/draupnir.nix>

services.draupnir.settings.rawHomeserverUrl
Public base URL of the Matrix homeserver that provides the Client−Server API when using the Draupnir's **Report forwarding feature**.

Warning
When using Pantalaimon, do not set this to the Pantalaimon URL!

Type: string

Default:

```
config.services.draupnir.settings.homeserverUrl
```

Example:

```
"https://matrix.org"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/draupnir.nix>

services.drbd.enable

Whether to enable support for DRBD, the Distributed Replicated Block Device.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/drbd.nix>

services.drbd.config

Contents of the *drbd.conf* configuration file.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/drbd.nix>

services.druid.package

The apache−druid package to use.

Type: package

Default:

```
pkgs.druid
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.broker.enable

Whether to enable Druid Broker.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.broker.config

(key=value) Configuration to be written to runtime.properties of the druid Druid Broker **https://druid.apache.org/docs/latest/configuration/index.html**

Type: attribute set of anything

Default:

```
{ }
```

Example:

```
{
  "druid.plainTextPort" = "8082";
  "druid.service" = "servicename";
}
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.broker.jdk
The JDK package to use.

Type: package

Default:

```
pkgs.jdk17_headless
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.broker.jvmArgs
Arguments to pass to the JVM

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.broker.openFirewall
Open firewall ports for Druid Broker.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.broker.restartIfChanged
Automatically restart the service on config change. This can be set to false to defer restarts on clusters running critical applications. Please consider the security implications of inadvertently running an older version, and the possibility of unexpected behavior caused by inconsistent versions across a cluster when disabling this option.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.commonConfig
(key=value) Configuration to be written to common.runtime.properties

Type: attribute set of anything

Default:

```
{ }
```

Example:

```
{
  "druid.extensions.loadList" = "[ \"mysql-metadata-storage\" ] \
";
  "druid.metadata.storage.connector.connectURI" = "jdbc:mysql://loc \
```

```
alhost:3306/druid";
  "druid.metadata.storage.type" = "mysql";
  "druid.zk.service.host" = "localhost:2181";
}
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.commonTmpDirs
Common List of directories used by druid processes

Type: list of string

Default:

```
[
  "/var/log/druid/requests"
]
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.coordinator.enable
Whether to enable Druid Coordinator.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.coordinator.config
(key=value) Configuration to be written to runtime.properties of the druid Druid Coordinator **https://druid.apache.org/docs/latest/configuration/index.html**

Type: attribute set of anything

Default:

```
{ }
```

Example:

```
{
  "druid.plainTextPort" = "8082";
  "druid.service" = "servicename";
}
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.coordinator.jdk
The JDK package to use.

Type: package

Default:

```
pkgs.jdk17_headless
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.coordinator.jvmArgs
Arguments to pass to the JVM

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.coordinator.openFirewall
Open firewall ports for Druid Coordinator.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.coordinator.restartIfChanged
Automatically restart the service on config change. This can be set to false to defer restarts on clusters running critical applications. Please consider the security implications of inadvertently running an older version, and the possibility of unexpected behavior caused by inconsistent versions across a cluster when disabling this option.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.extraClassPaths
Extra classpath to include in the jvm

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.extraConfDirs
Extra Conf Dirs to include in the jvm

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.historical.enable

Whether to enable Druid Historical.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.historical.config

(key=value) Configuration to be written to runtime.properties of the druid Druid Historical **https://druid.apache.org/docs/latest/configuration/index.html**

Type: attribute set of anything

Default:

```
{ }
```

Example:

```
{
  "druid.plainTextPort" = "8082";
  "druid.service" = "servicename";
}
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.historical.jdk

The JDK package to use.

Type: package

Default:

```
pkgs.jdk17_headless
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.historical.jvmArgs

Arguments to pass to the JVM

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.historical.openFirewall

Open firewall ports for Druid Historical.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.historical.restartIfChanged
Automatically restart the service on config change. This can be set to false to defer restarts on clusters running critical applications. Please consider the security implications of inadvertently running an older version, and the possibility of unexpected behavior caused by inconsistent versions across a cluster when disabling this option.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.historical.segmentLocations
Locations where the historical will store its data.

Type: null or (list of (submodule))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.historical.segmentLocations.*.freeSpacePercent
Druid Historical will fail to write if it exceeds this value

Type: floating point number

Default:

```
1.0
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.historical.segmentLocations.*.maxSize
Max size the druid historical can occupy

Type: string

Declared by:
<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.historical.segmentLocations.*.path
the path to store the segments

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.log4j
Log4j Configuration for the druid process

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.middleManager.enable

Whether to enable Druid middleManager.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.middleManager.config

(key=value) Configuration to be written to runtime.properties of the druid Druid middleManager **https://druid.apache.org/docs/latest/configuration/index.html**

Type: attribute set of anything

Default:

```
{ }
```

Example:

```
{
  "druid.plainTextPort" = "8082";
  "druid.service" = "servicename";
}
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.middleManager.jdk

The JDK package to use.

Type: package

Default:

```
pkgs.jdk17_headless
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.middleManager.jvmArgs

Arguments to pass to the JVM

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.middleManager.openFirewall

Open firewall ports for Druid middleManager.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.middleManager.restartIfChanged
Automatically restart the service on config change. This can be set to false to defer restarts on clusters running critical applications. Please consider the security implications of inadvertently running an older version, and the possibility of unexpected behavior caused by inconsistent versions across a cluster when disabling this option.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.overlord.enable
Whether to enable Druid Overlord.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.overlord.config
(key=value) Configuration to be written to runtime.properties of the druid Druid Overlord **https://druid.apache.org/docs/latest/configuration/index.html**

Type: attribute set of anything

Default:

```
{ }
```

Example:

```
{
  "druid.plainTextPort" = "8082";
  "druid.service" = "servicename";
}
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.overlord.jdk
The JDK package to use.

Type: package

Default:

```
pkgs.jdk17_headless
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.overlord.jvmArgs

Arguments to pass to the JVM

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.overlord.openFirewall

Open firewall ports for Druid Overlord.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.overlord.restartIfChanged

Automatically restart the service on config change. This can be set to false to defer restarts on clusters running critical applications. Please consider the security implications of inadvertently running an older version, and the possibility of unexpected behavior caused by inconsistent versions across a cluster when disabling this option.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.router.enable

Whether to enable Druid Router.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.router.config

(key=value) Configuration to be written to runtime.properties of the druid Druid Router **https://druid.apache.org/docs/latest/configuration/index.html**

Type: attribute set of anything

Default:

```
{ }
```

Example:

```
{
  "druid.plainTextPort" = "8082";
```

```
  "druid.service" = "servicename";
}
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.router.jdk
The JDK package to use.

Type: package

Default:

```
pkgs.jdk17_headless
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.router.jvmArgs
Arguments to pass to the JVM

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.router.openFirewall
Open firewall ports for Druid Router.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.druid.router.restartIfChanged
Automatically restart the service on config change. This can be set to false to defer restarts on clusters running critical applications. Please consider the security implications of inadvertently running an older version, and the possibility of unexpected behavior caused by inconsistent versions across a cluster when disabling this option.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/druid/default.nix>

services.drupal.enable
Whether to enable drupal.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.package
The drupal package to use.

Type: package

Default:

```
pkgs.drupal
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites
Specification of one or more Drupal sites to serve

Type: attribute set of (submodule)

Default:

```
{
  localhost = {
    enable = true;
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.enable
Whether to enable Drupal web application.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.package
The drupal package to use.

Type: package

Default:

```
pkgs.drupal
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.configRoot
An optional path string with a leading slash indicating the location of the config sync directory on the Drupal package. Your package will probably have a config sync directory if it has been significantly customized.

The path must be relative to the project root directory.

This option differs from the ‘configSyncDir’ option, which tells this service where to create a user−writeable config directory on NixOS.

Type: string

Default:

```
""
```

Example:

```
"/config"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.configSyncDir
The location of the user−managed Drupal config sync directory. Drupal will both read from and write to this directory when executing configuration management operations.

This option differs from the ‘configRoot’ option, which this service uses to discover the location of the config sync directory in the package’s source code.

Type: absolute path

Default:

```
"/var/lib/drupal/<name>/config/sync"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.database.createLocally
Create the database and database user locally.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.database.host
Database host address.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.database.name
Database name.

Type: string

Default:

```
"drupal"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.database.passwordFile
A file containing the password corresponding to **database.user**.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/database-dbpassword"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/drupal.nix>

services.drupal.sites.<name>.database.port
Database host port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3306
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/drupal.nix>

services.drupal.sites.<name>.database.socket
Path to the unix socket file to use for authentication.

Type: null or absolute path

Default:

```
/run/mysqld/mysqld.sock
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/drupal.nix>

services.drupal.sites.<name>.database.tablePrefix
The $table_prefix is the value placed in the front of your database tables. Change the value if you want to use something other than dp_ for your database prefix. Typically this is changed if you are installing multiple Drupal sites in the same database.

Type: string

Default:

```
"dp_"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/drupal.nix>

services.drupal.sites.<name>.database.user
Database user.

Type: string

Default:

```
"drupal"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/drupal.nix>

services.drupal.sites.<name>.extraConfig

Extra configuration values that you want to insert into settings.php. All configuration must be written as PHP script.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
$config['user.settings']['anonymous'] = 'Visitor';
$settings['entity_update_backup'] = TRUE;
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.filesDir

The location of the Drupal files directory.

Many of the files in this directory are variable, so they must be located in a location writeable by users of the webgroup.

Type: absolute path

Default:

```
"/var/lib/drupal/<name>/sites/default/files"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.modulesDir

The location for users to manually install Drupal modules.

Note: in most instances, it is preferable to install modules using composer, or to package them with your source code repository, if you are using a custom Drupal.

Type: absolute path

Default:

```
"/var/lib/drupal/<name>/modules"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.phpOptions

Options for PHP’s php.ini file for this Drupal site.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  "opcache.interned_strings_buffer" = "8";
  "opcache.max_accelerated_files" = "10000";
  "opcache.memory_consumption" = "128";
  "opcache.revalidate_freq" = "15";
  "opcache.fast_shutdown" = "1";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.poolConfig
Options for the Drupal PHP pool. See the documentation on ‘php−fpm.conf’ for details on configuration directives.

Type: attribute set of (string or signed integer or boolean)

Default:

```
{
  pm = "dynamic";
  "pm.max_children" = 32;
  "pm.max_requests" = 500;
  "pm.max_spare_servers" = 4;
  "pm.min_spare_servers" = 2;
  "pm.start_servers" = 2;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.privateFilesDir
The location of the Drupal private files directory.

Type: absolute path

Default:

```
"/var/lib/drupal/<name>/private"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.stateDir
The location of the user−managed Drupal site state directory. This directory will contain the settings and configuration files for your Drupal instance. It may also contain your files directory if the ‘filesDir’ option remains unchanged.

Many of the files in this directory are variable, so they must be located in a location writeable by users of the webgroup.

Type: absolute path

Default:

```
"/var/lib/drupal/<name>"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.themesDir
The location for users to manually install Drupal themes.

Note: in most instances, it is preferable to install themes using composer, or to package them with your source code repository, if you are using a custom Drupal.

Type: absolute path

Default:

```
"/var/lib/drupal/<name>/themes"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.virtualHost
Apache configuration can be done by adapting **services.httpd.virtualHosts**.

Type: submodule

Example:

```
{
  adminAddr = "webmaster@example.org";
  forceSSL = true;
  enableACME = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.virtualHost.enableACME
Whether to ask Let’s Encrypt to sign a certificate for this vhost. Alternately, you can use an existing certificate through **useACMEHost**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.virtualHost.enableUserDir
Whether to enable serving *~/public_html* as ‘/~«username»’.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.virtualHost.acmeRoot
Directory for the acme challenge which is PUBLIC, don’t put certs or keys in here. Set to null to inherit from config.security.acme.

Type: null or string

Default:

```
"/var/lib/acme/acme−challenge"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.virtualHost.addSSL
Whether to enable HTTPS in addition to plain HTTP. This will set defaults for ‘listen’ to listen on all interfaces on the respective default ports (80, 443).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.virtualHost.adminAddr
E−mail address of the server administrator.

Type: null or string

Default:

```
null
```

Example:

```
"admin@example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.virtualHost.documentRoot
The path of Apache's document root directory. If left undefined, an empty directory in the Nix store will be used as root.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/data/webserver/docs"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.virtualHost.extraConfig
These lines go to httpd.conf verbatim. They will go after directories and directory aliases defined by default.

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
<Directory /home>
  Options FollowSymlinks
  AllowOverride All
</Directory>
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.virtualHost.forceSSL
Whether to add a separate nginx server block that permanently redirects (301) all plain HTTP traffic to HTTPS. This will set defaults for 'listen' to listen on all interfaces on the respective default ports (80, 443), where the non−SSL listens are used for the redirect vhosts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.virtualHost.globalRedirect
If set, all requests for this host are redirected permanently to the given URL.

Type: null or string

Default:

```
null
```

Example:

```
"http://newserver.example.org/"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.virtualHost.hostName
Canonical hostname for the server.

Type: string

Default:

```
"‹name›"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.virtualHost.http2
Whether to enable HTTP 2. HTTP/2 is supported in all multi−processing modules that come with httpd. *However, if you use the prefork mpm, there will be severe restrictions.* Refer to **https://httpd.apache.org/docs/2.4/howto/http2.html#mpm−config** for details.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.virtualHost.listen
Listen addresses and ports for this virtual host.

Note
This option overrides ‘addSSL’, ‘forceSSL’ and ‘onlySSL’.

If you only want to set the addresses manually and not the ports, take a look at ‘listenAddresses’.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    ip = "195.154.1.1";
    port = 443;
    ssl = true;
  }
  {
```

```
      ip = "192.154.1.1";
      port = 80;
    }
    {
      ip = "*";
      port = 8080;
    }
  ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.virtualHost.listen.*.ip
IP to listen on. 0.0.0.0 for IPv4 only, * for all.

Type: string

Default:

```
"*"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.virtualHost.listen.*.port
Port to listen on

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.virtualHost.listen.*.ssl
Whether to enable SSL (https) support.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.virtualHost.listenAddresses
Listen addresses for this virtual host. Compared to ‘listen’ this only sets the addresses and the ports are chosen automatically.

Type: non−empty (list of string)

Default:

```
[
  "*"
]
```

Example:

```
[
  "127.0.0.1"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.virtualHost.locations

Declarative location config. See **https://httpd.apache.org/docs/2.4/mod/core.html#location** for details.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "/" = {
    proxyPass = "http://localhost:3000";
  };
  "/foo/bar.png" = {
    alias = "/home/eelco/some-file.png";
  };
};
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/drupal.nix>

services.drupal.sites.<name>.virtualHost.locations.<name>.alias

Alias directory for requests. See **https://httpd.apache.org/docs/2.4/mod/mod_alias.html#alias**.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/alias/directory"
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/drupal.nix>

services.drupal.sites.<name>.virtualHost.locations.<name>.extraConfig

These lines go to the end of the location verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/drupal.nix>

services.drupal.sites.<name>.virtualHost.locations.<name>.index

Adds DirectoryIndex directive. See **https://httpd.apache.org/docs/2.4/mod/mod_dir.html#directoryindex**.

Type: null or string

Default:

```
null
```

Example:

```
"index.php index.html"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.virtualHost.locations.<name>.priority
Order of this location block in relation to the others in the vhost. The semantics are the same as with ‘lib.mkOrder’. Smaller values have a greater priority.

Type: signed integer

Default:

```
1000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.virtualHost.locations.<name>.proxyPass
Sets up a simple reverse proxy as described by **https://httpd.apache.org/docs/2.4/howto/reverse_proxy.html#simple**.

Type: null or string

Default:

```
null
```

Example:

```
"http://www.example.org/"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.virtualHost.logFormat
Log format for Apache’s log files. Possible values are: combined, common, referer, agent.

Type: string

Default:

```
"common"
```

Example:

```
"combined"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.virtualHost.onlySSL
Whether to enable HTTPS and reject plain HTTP connections. This will set defaults for ‘listen’ to listen on all interfaces on port 443.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.virtualHost.robotsEntries
Specification of pages to be ignored by web crawlers. See **http://www.robotstxt.org/** for details.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
"Disallow: /foo/"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.virtualHost.servedDirs

This option provides a simple way to serve static directories.

Type: list of (attribute set)

Default:

```
[ ]
```

Example:

```
[
  {
    dir = "/home/eelco/Dev/nix−homepage";
    urlPath = "/nix";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.virtualHost.servedFiles

This option provides a simple way to serve individual, static files.

Note

This option has been deprecated and will be removed in a future version of NixOS. You can achieve the same result by making use of the ‘locations.<name>.alias’ option.

Type: list of (attribute set)

Default:

```
[ ]
```

Example:

```
[
  {
    file = "/home/eelco/some−file.png";
    urlPath = "/foo/bar.png";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.virtualHost.serverAliases

Additional names of virtual hosts served by this virtual host configuration.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
  "www.example.org:8080"
```

```
  "example.org"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.virtualHost.sslServerCert
Path to server SSL certificate.

Type: absolute path

Example:

```
"/var/host.cert"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.virtualHost.sslServerChain
Path to server SSL chain file.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/ca.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.virtualHost.sslServerKey
Path to server SSL certificate key.

Type: absolute path

Example:

```
"/var/host.key"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.sites.<name>.virtualHost.useACMEHost
A host of an existing Let's Encrypt certificate to use. This is useful if you have many subdomains and want to avoid hitting the **rate limit**. Alternately, you can generate a certificate through **enableACME**. *Note that this option does not create any certificates, nor it does add subdomains to existing ones – you will need to create them manually using* **security.acme.certs**[2].

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

2. see the **security.acme.certs** option

services.drupal.sites.<name>.webRoot

An optional path string with a leading slash indicating the location of the Drupal webroot in your package's source code.

The path relative to the project root directory.

Type: string

Default:

```
""
```

Example:

```
"/web"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.drupal.webserver

Whether to use nginx or caddy for virtual host management.

Further nginx configuration can be done by adapting 'services.nginx.virtualHosts.<name>'. See **services.nginx.virtualHosts** for further information.

Further caddy configuration can be done by adapting 'services.caddy.virtualHosts.<name>'. See **services.caddy.virtualHosts** for further information.

Type: one of "nginx", "caddy"

Default:

```
"nginx"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/drupal.nix>

services.dsnet.enable

Whether to enable dsnet, a centralised Wireguard VPN manager.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/dsnet.nix>

services.dsnet.package

The dsnet package to use.

Type: package

Default:

```
pkgs.dsnet
```

Declared by:

<nixpkgs/nixos/modules/services/networking/dsnet.nix>

services.dsnet.settings

The settings to use for dsnet. This will be converted to a JSON object that will be passed to dsnet as a patch, using the patch command when the service is started. See the dsnet documentation for more information on the additional options.

Note that the resulting /etc/dsnetconfg.json is more of a database than it is a configuration file. It is therefore recommended that system specific values are configured here, rather than the full configuration including peers.

Peers may be managed via the dsnet add/remove commands, negating the need to manage key material and cumbersom configuration with nix. If you want peer configuration in nix, you may as well use the regular wireguard module.

Type: open submodule of (JSON value)

Default:

```
{ }
```

Example:

```
{
  DNS = "8.8.8.8";
  ExternalHostname = "vpn.example.com";
  ExternalIP = "127.0.0.1";
  ExternalIP6 = "";
  IP = "10.3.148.1";
  IP6 = "";
  ListenPort = 51820;
  Network = "10.3.148.0/22";
  Network6 = "";
  Networks = [
    "0.0.0.0/0"
  ];
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/dsnet.nix>

services.dsnet.settings.ExternalHostname

The hostname that clients should use to connect to this server. This is used to generate the client configuration files.

This is preferred over ExternalIP, as it allows for IPv4 and IPv6, as well as enabling the ability tp change IP.

Type: null or string

Default:

```
null
```

Example:

```
"vpn.example.com"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/dsnet.nix>

services.dsnet.settings.ExternalIP

The external IP address of the server. This is used to generate the client configuration files for when an ExternalHostname is not set.

Leaving this empty will cause dsnet to use the IP address of what looks like the WAN interface.

Type: null or string

Default:

```
null
```

Example:

```
"192.0.2.1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/dsnet.nix>

services.dsnet.settings.ExternalIP6

The external IPv6 address of the server. This is used to generate the client configuration files for when an ExternalHostname is not set. Used in preference to ExternalIP.

Leaving this empty will cause dsnet to use the IP address of what looks like the WAN interface.

Type: null or string

Default:

```
null
```

Example:

```
"2001:db8::1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/dsnet.nix>

services.dsnet.settings.IP

The IPv4 address that the server will use on the network. Leave this empty to let dsnet choose an address.

Type: null or string

Default:

```
null
```

Example:

```
"172.18.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/dsnet.nix>

services.dsnet.settings.IP6

The IPv6 address that the server will use on the network Leave this empty to let dsnet choose an address.

Type: null or string

Default:

```
null
```

Example:

```
"2001:db8::1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/dsnet.nix>

services.dsnet.settings.Network
The IPv4 network that the server will use to allocate IPs on the network. Leave this empty to let dsnet choose a network.

Type: null or string

Default:

```
null
```

Example:

```
"172.18.0.0/24"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/dsnet.nix>

services.dsnet.settings.Network6
The IPv6 network that the server will use to allocate IPs on the network. Leave this empty to let dsnet choose a network.

Type: null or string

Default:

```
null
```

Example:

```
"2001:db8::1/64"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/dsnet.nix>

services.dsnet.settings.Networks
The CIDR networks that should route through this server. Clients will be configured to route traffic for these networks through the server peer.

Type: null or (list of string)

Default:

```
null
```

Example:

```
[
  "0.0.0.0/0"
  "192.168.0.0/24"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/dsnet.nix>

services.dspam.enable
Whether to enable the dspam spam filter.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/mail/dspam.nix>

services.dspam.domainSocket
Path to local domain socket which is used for communication with the daemon. Set to null to disable UNIX socket.

Type: null or absolute path

Default:

```
"/run/dspam/dspam.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/dspam.nix>

services.dspam.extraConfig
Additional dspam configuration.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/mail/dspam.nix>

services.dspam.group
Group for the dspam daemon.

Type: string

Default:

```
"dspam"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/dspam.nix>

services.dspam.maintenanceInterval
If set, maintenance script will be run at specified (in systemd.timer format) interval

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/mail/dspam.nix>

services.dspam.storageDriver
Storage driver backend to use for dspam.

Type: string

Default:

```
"hash"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/dspam.nix>

services.dspam.user

User for the dspam daemon.

Type: string

Default:

```
"dspam"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/dspam.nix>

services.duckdns.enable

Whether to enable DuckDNS Dynamic DNS Client.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/duckdns.nix>

services.duckdns.domains

The domain(s) to update in DuckDNS (without the .duckdns.org suffix)

Type: null or (list of string)

Default:

```
null
```

Example:

```
[
  "examplehost"
]
```

Declared by:

<nixpkgs/nixos/modules/services/misc/duckdns.nix>

services.duckdns.domainsFile

The path to a file containing a newline−separated list of DuckDNS domain(s) to be updated (without the .duckdns.org suffix)

Type: null or absolute path

Default:

```
null
```

Example:

```
pkgs.writeText "duckdns−domains.txt" ''
  examplehost
  examplehost2
  examplehost3
```

Declared by:

<nixpkgs/nixos/modules/services/misc/duckdns.nix>

services.duckdns.tokenFile
The path to a file containing the token used to authenticate with DuckDNS.

Type: absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/duckdns.nix>

services.duckling.enable
Whether to enable duckling.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/duckling.nix>

services.duckling.port
Port on which duckling will run.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/misc/duckling.nix>

services.dump1090−fa.enable
Whether to enable dump1090−fa.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/dump1090−fa.nix>

services.dump1090−fa.package
The dump1090−fa package to use.

Type: package

Default:

```
pkgs.dump1090−fa
```

Declared by:
<nixpkgs/nixos/modules/services/misc/dump1090−fa.nix>

services.dump1090−fa.extraArgs
Additional passed arguments

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/dump1090−fa.nix>

services.dunst.enable
Whether to enable Dunst notification daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/dunst.nix>

services.dunst.enableWayland
Whether to enable Wayland support.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/dunst.nix>

services.dunst.enableX11
Whether to enable X11 support.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/dunst.nix>

services.dunst.package
The dunst package to use.

Type: package

Default:

```
pkgs.dunst
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/dunst.nix>

services.dunst.settings

Dunst configuration, see dunst(5)

Type: attribute set of attribute set of (INI atom (null, bool, int, float or string) or attribute set of (INI atom (null, bool, int, float or string)))

Default:

```
{ }
```

Example:

```
{
  global = {
    width = 300;
    height = 300;
    offset = "30x50";
    origin = "top-right";
    transparency = 10;
    frame_color = "#eceff1";
    font = "Droid Sans 9";
  };
  urgency_normal = {
    background = "#37474f";
    foreground = "#eceff1";
    timeout = 10;
  };
};
```

Declared by:

<nixpkgs/nixos/modules/services/desktops/dunst.nix>

services.duplicati.enable

Whether to enable Duplicati.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/backup/duplicati.nix>

services.duplicati.package

The duplicati package to use.

Type: package

Default:

```
pkgs.duplicati
```

Declared by:

<nixpkgs/nixos/modules/services/backup/duplicati.nix>

services.duplicati.dataDir

The directory where Duplicati stores its data files.

> **Note**
> If left as the default value this directory will automatically be created before the Duplicati server starts, otherwise you are responsible for ensuring the directory exists with appropriate ownership and permissions.

Type: string

Default:

```
"/var/lib/duplicati"
```

Declared by:

<nixpkgs/nixos/modules/services/backup/duplicati.nix>

services.duplicati.interface

Listening interface for the web UI Set it to “any” to listen on all available interfaces

Type: string

Default:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/backup/duplicati.nix>

services.duplicati.parameters

This option can be used to store some or all of the options given to the commandline client. Each line in this option should be of the format −−option=value. The options in this file take precedence over the options provided through command line arguments. <link xlink:href=“https://duplicati.readthedocs.io/en/latest/06−advanced−options/#parameters−file”>Duplicati docs: parameters−file</link>

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
--webservice-allowedhostnames=*
```

Declared by:

<nixpkgs/nixos/modules/services/backup/duplicati.nix>

services.duplicati.parametersFile

This file can be used to store some or all of the options given to the commandline client. Each line in the file option should be of the format −−option=value. The options in this file take precedence over the options provided through command line arguments. <link xlink:href=“https://duplicati.readthedocs.io/en/latest/06−advanced−options/#parameters−file”>Duplicati docs: parameters−file</link>

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/backup/duplicati.nix>

services.duplicati.port

Port serving the web interface

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8200
```

Declared by:

<nixpkgs/nixos/modules/services/backup/duplicati.nix>

services.duplicati.user

Duplicati runs as it's own user. It will only be able to backup world−readable files. Run as root with special care.

Type: string

Default:

```
"duplicati"
```

Declared by:

<nixpkgs/nixos/modules/services/backup/duplicati.nix>

services.duplicity.enable

Whether to enable backups with duplicity.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/backup/duplicity.nix>

services.duplicity.cleanup.maxAge

If non−null, delete all backup sets older than the given time. Old backup sets will not be deleted if backup sets newer than time depend on them.

Type: null or string

Default:

```
null
```

Example:

```
"6M"
```

Declared by:

<nixpkgs/nixos/modules/services/backup/duplicity.nix>

services.duplicity.cleanup.maxFull

If non−null, delete all backups sets that are older than the count:th last full backup (in other words, keep the last count full backups and associated incremental sets).

Type: null or signed integer

Default:

```
null
```

Example:

```
2
```

Declared by:

<nixpkgs/nixos/modules/services/backup/duplicity.nix>

services.duplicity.cleanup.maxIncr

If non−null, delete incremental sets of all backups sets that are older than the count:th last full backup (in other words, keep only old full backups and not their increments).

Type: null or signed integer

Default:

```
null
```

Example:

```
1
```

Declared by:

<nixpkgs/nixos/modules/services/backup/duplicity.nix>

services.duplicity.exclude

List of paths to exclude from backups. See the FILE SELECTION section in **duplicity**(1) for details on the syntax.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/backup/duplicity.nix>

services.duplicity.excludeFileList

File containing newline−separated list of paths to exclude into the backups. See the FILE SELECTION section in **duplicity**(1) for details on the syntax.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/path/to/fileList.txt"
```

Declared by:

<nixpkgs/nixos/modules/services/backup/duplicity.nix>

services.duplicity.extraFlags

Extra command−line flags passed to duplicity. See **duplicity**(1).

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--backend-retry-delay"
  "100"
]
```

Declared by:
<nixpkgs/nixos/modules/services/backup/duplicity.nix>

services.duplicity.frequency
Run duplicity with the given frequency (see **systemd.time**(7) for the format). If null, do not run automatically.

Type: null or string

Default:

```
"daily"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/duplicity.nix>

services.duplicity.fullIfOlderThan
If ‘"never"’ (the default) always do incremental backups (the first backup will be a full backup, of course). If ‘"always"’ always do full backups. Otherwise, this must be a string representing a duration. Full backups will be made when the latest full backup is older than this duration. If this is not the case, an incremental backup is performed.

Type: string

Default:

```
"never"
```

Example:

```
"1M"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/duplicity.nix>

services.duplicity.include
List of paths to include into the backups. See the FILE SELECTION section in **duplicity**(1) for details on the syntax.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "/home"
]
```

Declared by:
<nixpkgs/nixos/modules/services/backup/duplicity.nix>

services.duplicity.includeFileList
File containing newline−separated list of paths to include into the backups. See the FILE SELECTION section in **duplicity**(1) for details on the syntax.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/path/to/fileList.txt"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/duplicity.nix>

services.duplicity.root
Root directory to backup.

Type: absolute path

Default:

```
"/"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/duplicity.nix>

services.duplicity.secretFile
Path of a file containing secrets (gpg passphrase, access key…) in the format of EnvironmentFile as described by **systemd.exec**(5). For example:

```
PASSPHRASE=«...»
AWS_ACCESS_KEY_ID=«...»
AWS_SECRET_ACCESS_KEY=«...»
```

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/duplicity.nix>

services.duplicity.targetUrl
Target url to backup to. See the URL FORMAT section in **duplicity**(1) for supported urls.

Type: string

Example:

```
"s3://host:port/prefix"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/duplicity.nix>

services.dwm−status.enable
Whether to enable dwm−status user service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/dwm−status.nix>

services.dwm−status.package
The dwm−status package to use.

Type: package

Default:

```
pkgs.dwm−status
```

Example:

```
dwm-status.override { enableAlsaUtils = false; }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/dwm-status.nix>

services.dwm-status.settings
Config options for dwm-status, see **https://github.com/Gerschtli/dwm-status#configuration** for available options.

Type: open submodule of (TOML value)

Default:

```
{ }
```

Example:

```
{
  order = [
    "battery"
    "cpu_load"
    "time"
  ];
  time = {
    format = "%F %a %r";
    update_seconds = true;
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/dwm-status.nix>

services.dwm-status.settings.order
List of enabled features in order.

Type: list of (one of “audio”, “backlight”, “battery”, “cpu_load”, “network”, “time”)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/dwm-status.nix>

services.dysnomia.enable
Whether to enable Dysnomia

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/dysnomia.nix>

services.dysnomia.enableAuthentication
Whether to publish privacy-sensitive authentication credentials

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/dysnomia.nix>

services.dysnomia.enableLegacyModules
Whether to enable Dysnomia legacy process and wrapper modules

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/dysnomia.nix>

services.dysnomia.package
The Dysnomia package

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/misc/dysnomia.nix>

services.dysnomia.components
An attribute set in which each key represents a container and each value an attribute set in which each key represents a component and each value a derivation constructing its initial state

Type: attribute set of (attribute set)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/dysnomia.nix>

services.dysnomia.containers
An attribute set in which each key represents a container and each value an attribute set providing its configuration properties

Type: attribute set of (attribute set)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/dysnomia.nix>

services.dysnomia.extraContainerPaths
A list of paths containing additional container configurations that are added to the search folders

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/dysnomia.nix>

services.dysnomia.extraContainerProperties
An attribute set providing additional container settings in addition to the default properties

Type: attribute set

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/dysnomia.nix>

services.dysnomia.extraModulePaths
A list of paths containing additional modules that are added to the search folders

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/dysnomia.nix>

services.dysnomia.properties
An attribute set in which each attribute represents a machine property. Optionally, these values can be shell substitutions.

Type: attribute set

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/dysnomia.nix>

services.e−imzo.enable
Whether to enable E−IMZO.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/e−imzo.nix>

services.e−imzo.package
The e−imzo package to use. Official mirror deletes old versions as soon as they release new one. Feel free to use either unstable or your own custom e−imzo package and ping maintainer.

Type: package

Default:

```
pkgs.e−imzo
```

Declared by:
<nixpkgs/nixos/modules/services/security/e−imzo.nix>

services.earlyoom.enable
Whether to enable early out of memory killing.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/system/earlyoom.nix>

services.earlyoom.enableDebugInfo
Enable debugging messages.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/system/earlyoom.nix>

services.earlyoom.enableNotifications
Send notifications about killed processes via the system d−bus.

WARNING: enabling this option (while convenient) should *not* be done on a machine where you do not trust the other users as it allows any other local user to DoS your session by spamming notifications.

To actually see the notifications in your GUI session, you need to have ‘systembus−notify’ running as your user, which this option handles by enabling **services.systembus−notify**.

See **README** for details.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/system/earlyoom.nix>

services.earlyoom.package
The earlyoom package to use.

Type: package

Default:

```
pkgs.earlyoom
```

Declared by:
<nixpkgs/nixos/modules/services/system/earlyoom.nix>

services.earlyoom.extraArgs
Extra command−line arguments to be passed to earlyoom. Each element in the value list will be escaped as an argument without further word−breaking.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "−g"
  "−−prefer"
  "(^|/)(java|chromium)$"
]
```

Declared by:
<nixpkgs/nixos/modules/services/system/earlyoom.nix>

services.earlyoom.freeMemKillThreshold
Minimum available memory (in percent) before sending SIGKILL. If unset, this defaults to half of **freeMemThreshold**.

See the description of **services.earlyoom.freeMemThreshold**.

Type: null or integer between 1 and 100 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/system/earlyoom.nix>

services.earlyoom.freeMemThreshold
Minimum available memory (in percent).

If the available memory falls below this threshold (and the analog is true for **freeSwapThreshold**) the killing begins. SIGTERM is sent first to the process that uses the most memory; then, if the available memory falls below **freeMemKillThreshold** (and the analog is true for **freeSwapKillThreshold**), SIGKILL is sent.

See **README** for details.

Type: integer between 1 and 100 (both inclusive)

Default:

```
10
```

Declared by:
<nixpkgs/nixos/modules/services/system/earlyoom.nix>

services.earlyoom.freeSwapKillThreshold
Minimum free swap space (in percent) before sending SIGKILL. If unset, this defaults to half of **freeSwapThreshold**.

See the description of **services.earlyoom.freeMemThreshold**.

Type: null or integer between 1 and 100 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/system/earlyoom.nix>

services.earlyoom.freeSwapThreshold
Minimum free swap space (in percent) before sending SIGTERM.

See the description of **services.earlyoom.freeMemThreshold**.

Type: integer between 1 and 100 (both inclusive)

Default:

```
10
```

Declared by:
<nixpkgs/nixos/modules/services/system/earlyoom.nix>

services.earlyoom.killHook

An absolute path to an executable to be run for each process killed. Some environment variables are available, see **README** and **the man page** for details.

WARNING: earlyoom is running in a sandbox with ProtectSystem="strict" by default, so filesystem write is also prohibited for the hook. If you want to change these protection rules, override the systemd service via 'systemd.services.earlyoom.serviceConfig.ProtectSystem'.

Type: null or absolute path

Default:

```
null
```

Example:

```
pkgs.writeShellScript "earlyoom-kill-hook" ''
  echo "Process $EARLYOOM_NAME ($EARLYOOM_PID) was killed" >> /path \
/to/log
```

Declared by:

<nixpkgs/nixos/modules/services/system/earlyoom.nix>

services.earlyoom.reportInterval

Interval (in seconds) at which a memory report is printed (set to 0 to disable).

Type: signed integer

Default:

```
3600
```

Example:

Declared by:

<nixpkgs/nixos/modules/services/system/earlyoom.nix>

services.easytier.enable

Whether to enable EasyTier daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/easytier.nix>

services.easytier.package

The easytier package to use.

Type: package

Default:

```
pkgs.easytier
```

Declared by:

<nixpkgs/nixos/modules/services/networking/easytier.nix>

services.easytier.allowSystemForward

Whether to enable Allow the system to forward packets from easytier. Useful when ‘proxy_forward_by_system’ enabled. .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/easytier.nix>

services.easytier.instances

EasyTier instances.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  extraSettings = {
    flags = {
      dev_name = "tun1";
    };
  };
  settings = {
    ipv4 = "10.144.144.1/24";
    network_name = "easytier";
    network_secret = "easytier";
    peers = [
      "tcp://public.easytier.cn:11010"
      "wss://example.com:443"
    ];
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/easytier.nix>

services.easytier.instances.<name>.enable

Enable the instance.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/easytier.nix>

services.easytier.instances.<name>.configFile

Path to easytier config file. Setting this option will override ‘settings’ and ‘extraSettings’ of this instance.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/easytier.nix>

services.easytier.instances.<name>.configServer

Configure the instance from config server. When this option set, any other settings for configuring the instance manually except ‘hostname’ will be ignored. Valid formats are:

- full uri for custom server: ‘udp://example.com:22020/<token>’
- username only for official server: ‘<token>’

Type: null or string

Default:

```
null
```

Example:

```
"udp://example.com:22020/myusername"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/easytier.nix>

services.easytier.instances.<name>.environmentFiles

Environment files for this instance. All command−line args have corresponding environment variables.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[
  /path/to/.env
  /path/to/.env.secret
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/easytier.nix>

services.easytier.instances.<name>.extraArgs

Extra args append to the easytier command−line.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/easytier.nix>

services.easytier.instances.<name>.extraSettings

Extra settings to add to *easytier-‹name›.toml*.

Type: TOML value

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/easytier.nix>

services.easytier.instances.<name>.settings

Settings to generate *easytier-‹name›.toml*

Type: submodule

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/easytier.nix>

services.easytier.instances.<name>.settings.dhcp

Automatically determine the IPv4 address of this peer based on existing peers on network.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/easytier.nix>

services.easytier.instances.<name>.settings.hostname

Hostname shown in peer list and web console.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/easytier.nix>

services.easytier.instances.<name>.settings.instance_name

Identify different instances on same host

Type: string

Default:

```
"‹name›"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/easytier.nix>

services.easytier.instances.<name>.settings.ipv4

IPv4 cidr address of this peer in the virtual network. If empty, this peer will only forward packets and no TUN device will be created.

Type: null or string

Default:

```
null
```

Example:

```
"10.144.144.1/24"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/easytier.nix>

services.easytier.instances.<name>.settings.listeners
Listener addresses to accept connections from other peers. Valid format is: '<proto>://<addr>:<port>', where the protocol can be 'tcp', 'udp', 'ring', 'wg', 'ws', 'wss'.

Type: list of string

Default:

```
[
  "tcp://0.0.0.0:11010"
  "udp://0.0.0.0:11010"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/easytier.nix>

services.easytier.instances.<name>.settings.network_name
EasyTier network name.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/easytier.nix>

services.easytier.instances.<name>.settings.network_secret
EasyTier network credential used for verification and encryption. It can also be set in environmentFile.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/easytier.nix>

services.easytier.instances.<name>.settings.peers
Peers to connect initially. Valid format is: '<proto>://<addr>:<port>'.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "tcp://example.com:11010"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/easytier.nix>

services.ebusd.enable

Whether to enable ebusd, a daemon for communication with eBUS heating systems.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/home−automation/ebusd.nix>

services.ebusd.package

The ebusd package to use.

Type: package

Default:

```
pkgs.ebusd
```

Declared by:

<nixpkgs/nixos/modules/services/home−automation/ebusd.nix>

services.ebusd.configpath

Directory to read CSV config files from. This can be a local folder or a URL.

Type: string

Default:

```
"https://ebus.github.io/"
```

Declared by:

<nixpkgs/nixos/modules/services/home−automation/ebusd.nix>

services.ebusd.device

Use DEV as eBUS device [/dev/ttyUSB0]. This can be either: enh:DEVICE or enh:IP:PORT for enhanced device (only adapter v3 and newer), ens:DEVICE for enhanced high speed serial device (only adapter v3 and newer with firmware since 20220731), DEVICE for serial device (normal speed, for all other serial adapters like adapter v2 as well as adapter v3 in non−enhanced mode), or [udp:]IP:PORT for network device.

Source: **https://github.com/john30/ebusd/wiki/2.−Run#device−options**

Type: string

Default:

```
""
```

Example:

```
"IP:PORT"
```

Declared by:

<nixpkgs/nixos/modules/services/home−automation/ebusd.nix>

services.ebusd.extraArguments

Extra arguments to the ebus daemon

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/ebusd.nix>

services.ebusd.logs.all
Only write log for matching ‘AREA’s (all|main|network|bus|device|update|other) below or equal to ‘LEVEL’ (none|error|notice|info|debug)

Type: one of “none”, “error”, “notice”, “info”, “debug”

Default:

```
"notice"
```

Example:

```
"debug"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/ebusd.nix>

services.ebusd.logs.bus
Only write log for matching ‘AREA’s (all|main|network|bus|device|update|other) below or equal to ‘LEVEL’ (none|error|notice|info|debug)

Type: one of “none”, “error”, “notice”, “info”, “debug”

Default:

```
"notice"
```

Example:

```
"debug"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/ebusd.nix>

services.ebusd.logs.device
Only write log for matching ‘AREA’s (all|main|network|bus|device|update|other) below or equal to ‘LEVEL’ (none|error|notice|info|debug)

Type: one of “none”, “error”, “notice”, “info”, “debug”

Default:

```
"notice"
```

Example:

```
"debug"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/ebusd.nix>

services.ebusd.logs.main
Only write log for matching ‘AREA’s (all|main|network|bus|device|update|other) below or equal to ‘LEVEL’ (none|error|notice|info|debug)

Type: one of “none”, “error”, “notice”, “info”, “debug”

Default:

```
"notice"
```

Example:

```
"debug"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/ebusd.nix>

services.ebusd.logs.network
Only write log for matching ‘AREA’s (all|main|network|bus|device|update|other) below or equal to ‘LEVEL’ (none|error|notice|info|debug)

Type: one of “none”, “error”, “notice”, “info”, “debug”

Default:

```
"notice"
```

Example:

```
"debug"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/ebusd.nix>

services.ebusd.logs.other
Only write log for matching ‘AREA’s (all|main|network|bus|device|update|other) below or equal to ‘LEVEL’ (none|error|notice|info|debug)

Type: one of “none”, “error”, “notice”, “info”, “debug”

Default:

```
"notice"
```

Example:

```
"debug"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/ebusd.nix>

services.ebusd.logs.update
Only write log for matching ‘AREA’s (all|main|network|bus|device|update|other) below or equal to ‘LEVEL’ (none|error|notice|info|debug)

Type: one of “none”, “error”, “notice”, “info”, “debug”

Default:

```
"notice"
```

Example:

```
"debug"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/ebusd.nix>

services.ebusd.mqtt.enable
Whether to enable support for MQTT.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/ebusd.nix>

services.ebusd.mqtt.home−assistant
Adds the Home Assistant topics to MQTT, read more at **MQTT Integration**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/ebusd.nix>

services.ebusd.mqtt.host
Connect to MQTT broker on HOST.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/ebusd.nix>

services.ebusd.mqtt.password
The MQTT password.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/home−automation/ebusd.nix>

services.ebusd.mqtt.port
The port on which to connect to MQTT

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
1883
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/ebusd.nix>

services.ebusd.mqtt.retain
Whether to enable set the retain flag on all topics instead of only selected global ones.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/ebusd.nix>

services.ebusd.mqtt.user
The MQTT user to use

Type: string

Declared by:
<nixpkgs/nixos/modules/services/home−automation/ebusd.nix>

services.ebusd.port
The port on which to listen on

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8888
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/ebusd.nix>

services.ebusd.readonly
Only read from device, never write to it

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/ebusd.nix>

services.ebusd.scanconfig
Pick CSV config files matching initial scan (“none” or empty for no initial scan message, “full” for full scan, or a single hex address to scan, default is to send a broadcast ident message). If combined with −−checkconfig, you can add scan message data as arguments for checking a particular scan configuration, e.g. “FF08070400/0AB54548503003277201”. For further details on this option, see **Automatic configuration**.

Type: string

Default:

```
"full"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/ebusd.nix>

services.echoip.enable
Whether to enable echoip.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/echoip.nix>

services.echoip.enablePortLookup
Whether to enable port lookup.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/echoip.nix>

services.echoip.enableReverseHostnameLookups
Whether to enable reverse hostname lookups.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/echoip.nix>

services.echoip.package
The echoip package to use.

Type: package

Default:

```
pkgs.echoip
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/echoip.nix>

services.echoip.extraArgs
Extra command line arguments to pass to echoip. See **https://github.com/mpolden/echoip** for details.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/echoip.nix>

services.echoip.listenAddress
The address echoip should listen on

Type: string

Default:

```
":8080"
```

Example:

```
"127.0.0.1:8000"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/echoip.nix>

services.echoip.remoteIpHeader
Header to trust for remote IP, if present

Type: null or string

Default:

```
null
```

Example:

```
"X-Real-IP"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/echoip.nix>

services.echoip.virtualHost
Name of the nginx virtual host to use and setup. If null, do not setup anything.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/echoip.nix>

services.ecs-agent.enable
Whether to enable Amazon ECS agent.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/ecs-agent.nix>

services.ecs-agent.package
The ecs-agent package to use.

Type: package

Default:

```
pkgs.ecs-agent
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/ecs-agent.nix>

services.ecs-agent.extra-environment
The environment the ECS agent should run with. See the ECS agent documentation for keys that work here.

Type: attribute set of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/ecs-agent.nix>

services.eg25-manager.enable
Whether to enable Quectel EG25 modem manager service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/network/eg25−manager.nix>

services.eg25−manager.package
The eg25−manager package to use.

Type: package

Default:

```
pkgs.eg25−manager
```

Declared by:
<nixpkgs/nixos/modules/hardware/network/eg25−manager.nix>

services.ejabberd.enable
Whether to enable ejabberd server

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ejabberd.nix>

services.ejabberd.package
The ejabberd package to use.

Type: package

Default:

```
pkgs.ejabberd
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ejabberd.nix>

services.ejabberd.configFile
Configuration file for ejabberd in YAML format

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ejabberd.nix>

services.ejabberd.ctlConfig
Configuration of ejabberdctl

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ejabberd.nix>

services.ejabberd.group
Group under which ejabberd is ran

Type: string

Default:

```
"ejabberd"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ejabberd.nix>

services.ejabberd.imagemagick
Add ImageMagick to server's path; allows for image thumbnailing

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ejabberd.nix>

services.ejabberd.loadDumps
Configuration dumps that should be loaded on the first startup

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[ ./myejabberd.dump ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ejabberd.nix>

services.ejabberd.logsDir
Location of the logfile directory of ejabberd

Type: absolute path

Default:

```
"/var/log/ejabberd"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ejabberd.nix>

services.ejabberd.spoolDir
Location of the spooldir of ejabberd

Type: absolute path

Default:

```
"/var/lib/ejabberd"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ejabberd.nix>

services.ejabberd.user
User under which ejabberd is ran

Type: string

Default:

```
"ejabberd"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ejabberd.nix>

services.elasticsearch.enable

Whether to enable elasticsearch.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/search/elasticsearch.nix>

services.elasticsearch.package

The elasticsearch package to use.

Type: package

Default:

```
pkgs.elasticsearch
```

Declared by:

<nixpkgs/nixos/modules/services/search/elasticsearch.nix>

services.elasticsearch.cluster_name

Elasticsearch name that identifies your cluster for auto−discovery.

Type: string

Default:

```
"elasticsearch"
```

Declared by:

<nixpkgs/nixos/modules/services/search/elasticsearch.nix>

services.elasticsearch.dataDir

Data directory for elasticsearch.

Type: absolute path

Default:

```
"/var/lib/elasticsearch"
```

Declared by:

<nixpkgs/nixos/modules/services/search/elasticsearch.nix>

services.elasticsearch.extraCmdLineOptions

Extra command line options for the elasticsearch launcher.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/search/elasticsearch.nix>

services.elasticsearch.extraConf

Extra configuration for elasticsearch.

Type: string

Default:

```
""
```

Example:

```
node.name: "elasticsearch"
node.master: true
node.data: false
```

Declared by:
<nixpkgs/nixos/modules/services/search/elasticsearch.nix>

services.elasticsearch.extraJavaOptions
Extra command line options for Java.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-Djava.net.preferIPv4Stack=true"
]
```

Declared by:
<nixpkgs/nixos/modules/services/search/elasticsearch.nix>

services.elasticsearch.listenAddress
Elasticsearch listen address.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/search/elasticsearch.nix>

services.elasticsearch.logging
Elasticsearch logging configuration.

Type: string

Default:

```
logger.action.name = org.elasticsearch.action
logger.action.level = info

appender.console.type = Console
appender.console.name = console
appender.console.layout.type = PatternLayout
appender.console.layout.pattern = [%d{ISO8601}][%-5p][%-25c{1.} \
] %marker%m%n

rootLogger.level = info
rootLogger.appenderRef.console.ref = console
```

Declared by:
<nixpkgs/nixos/modules/services/search/elasticsearch.nix>

services.elasticsearch.plugins
Extra elasticsearch plugins

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.elasticsearchPlugins.discovery-ec2 ]
```

Declared by:
<nixpkgs/nixos/modules/services/search/elasticsearch.nix>

services.elasticsearch.port
Elasticsearch port to listen for HTTP traffic.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9200
```

Declared by:
<nixpkgs/nixos/modules/services/search/elasticsearch.nix>

services.elasticsearch.restartIfChanged
Automatically restart the service on config change. This can be set to false to defer restarts on a server or cluster. Please consider the security implications of inadvertently running an older version, and the possibility of unexpected behavior caused by inconsistent versions across a cluster when disabling this option.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/search/elasticsearch.nix>

services.elasticsearch.single_node
Start a single-node cluster

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/search/elasticsearch.nix>

services.elasticsearch.tcp_port
Elasticsearch port for the node to node communication.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9300
```

Declared by:
<nixpkgs/nixos/modules/services/search/elasticsearch.nix>

services.elasticsearch−curator.enable

Whether to enable elasticsearch curator.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/search/elasticsearch−curator.nix>

services.elasticsearch−curator.actionYAML

curator action.yaml file contents, alternatively use curator−cli which takes a simple action command

Type: strings concatenated with “\n”

Example:

```
  ---
  actions:
    1:
      action: delete_indices
      description: >−
        Delete indices older than 45 days (based on index name), fo \
r logstash−
        prefixed indices. Ignore the error if the filter does not r \
esult in an
        actionable list of indices (ignore_empty_list) and exit cle \
anly.
      options:
        ignore_empty_list: True
        disable_action: False
      filters:
      − filtertype: pattern
        kind: prefix
        value: logstash−
      − filtertype: age
        source: name
        direction: older
        timestring: '%Y.%m.%d'
        unit: days
        unit_count: 45
```

Declared by:

<nixpkgs/nixos/modules/services/search/elasticsearch−curator.nix>

services.elasticsearch−curator.hosts

a list of elasticsearch hosts to connect to

Type: list of string

Default:

```
[
  "localhost"
]
```

Declared by:
<nixpkgs/nixos/modules/services/search/elasticsearch-curator.nix>

services.elasticsearch-curator.interval
The frequency to run curator, a systemd.time such as ‘hourly’

Type: string

Default:

```
"hourly"
```

Declared by:
<nixpkgs/nixos/modules/services/search/elasticsearch-curator.nix>

services.elasticsearch-curator.port
the port that elasticsearch is listening on

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9200
```

Declared by:
<nixpkgs/nixos/modules/services/search/elasticsearch-curator.nix>

services.elephant.enable
Whether to enable Elephant application launcher backend.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/elephant.nix>

services.elephant.package
The elephant package to use.

Type: package

Default:

```
pkgs.elephant
```

Declared by:
<nixpkgs/nixos/modules/services/misc/elephant.nix>

services.emacs.enable
Whether to enable a user service for the Emacs daemon. Use ‘emacsclient’ to connect to the daemon. If ‘true’, *services.emacs.install* is considered ‘true’.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/editors/emacs.nix>

services.emacs.package

The emacs package to use.

Type: package

Default:

```
pkgs.emacs
```

Declared by:

<nixpkgs/nixos/modules/services/editors/emacs.nix>

services.emacs.defaultEditor

When enabled, configures emacsclient to be the default editor using the EDITOR environment variable.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/editors/emacs.nix>

services.emacs.install

Whether to install a user service for the Emacs daemon. Once the service is started, use emacsclient to connect to the daemon.

The service must be manually started for each user with “systemctl −−user start emacs” or globally through *services.emacs.enable*.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/editors/emacs.nix>

services.emacs.startWithGraphical

Start emacs with the graphical session instead of any session. Without this, emacs clients will not be able to create frames in the graphical session.

Type: boolean

Default:

```
config.services.xserver.enable
```

Declared by:

<nixpkgs/nixos/modules/services/editors/emacs.nix>

services.endlessh.enable

Whether to enable endlessh service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/endlessh.nix>

services.endlessh.extraOptions
Additional command line options to pass to the endlessh daemon.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-6"
  "-d 9000"
  "-v"
]
```

Declared by:
<nixpkgs/nixos/modules/services/security/endlessh.nix>

services.endlessh.openFirewall
Whether to open a firewall port for the SSH listener.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/endlessh.nix>

services.endlessh.port
Specifies on which port the endlessh daemon listens for SSH connections.

Setting this to ‘22’ may conflict with **services.openssh**.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
2222
```

Example:

```
22
```

Declared by:
<nixpkgs/nixos/modules/services/security/endlessh.nix>

services.endlessh-go.enable
Whether to enable endlessh-go service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/endlessh−go.nix>

services.endlessh−go.package
The endlessh−go package to use.

Type: package

Default:

```
pkgs.endlessh-go
```

Declared by:
<nixpkgs/nixos/modules/services/security/endlessh−go.nix>

services.endlessh−go.extraOptions
Additional command line options to pass to the endlessh−go daemon.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-conn_type=tcp4"
  "-max_clients=8192"
]
```

Declared by:
<nixpkgs/nixos/modules/services/security/endlessh−go.nix>

services.endlessh−go.listenAddress
Interface address to bind the endlessh−go daemon to SSH connections.

Type: string

Default:

```
"0.0.0.0"
```

Example:

```
"[::]"
```

Declared by:
<nixpkgs/nixos/modules/services/security/endlessh−go.nix>

services.endlessh−go.openFirewall
Whether to open a firewall port for the SSH listener.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/endlessh−go.nix>

services.endlessh−go.port
Specifies on which port the endlessh−go daemon listens for SSH connections.

Setting this to ‘22’ may conflict with **services.openssh**.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
2222
```

Example:

```
22
```

Declared by:
<nixpkgs/nixos/modules/services/security/endlessh−go.nix>

services.endlessh−go.prometheus.enable
Whether to enable Prometheus integration.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/endlessh−go.nix>

services.endlessh−go.prometheus.listenAddress
Interface address to bind the endlessh−go daemon to answer Prometheus queries.

Type: string

Default:

```
"0.0.0.0"
```

Example:

```
"[::]"
```

Declared by:
<nixpkgs/nixos/modules/services/security/endlessh−go.nix>

services.endlessh−go.prometheus.port
Specifies on which port the endlessh−go daemon listens for Prometheus queries.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
2112
```

Example:

```
9119
```

Declared by:
<nixpkgs/nixos/modules/services/security/endlessh−go.nix>

services.engelsystem.enable
Whether to enable engelsystem, an online tool for coordinating volunteers and shifts on large events.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/engelsystem.nix>

services.engelsystem.package
The engelsystem package to use.

Type: package

Default:

```
pkgs.engelsystem
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/engelsystem.nix>

services.engelsystem.createDatabase
Whether to create a local database automatically. This will override every database setting in **services.engelsystem.settings**.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/engelsystem.nix>

services.engelsystem.domain
Domain to serve on.

Type: string

Example:

```
"engelsystem.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/engelsystem.nix>

services.engelsystem.settings
Options to be added to config.php, as a nix attribute set. Options containing secret data should be set to an attribute set containing the attribute _secret − a string pointing to a file containing the value the option should be set to. See the example to get a better picture of this: in the resulting config.php file, the email.password key will be set to the contents of the /var/keys/engelsystem/mail file.

See **https://engelsystem.de/doc/admin/configuration/** for available options.

Note that the admin user login credentials cannot be set here − they always default to admin:asdfasdf. Log in and change them immediately.

Type: attribute set

Default:

```
{
  database = {
    database = "engelsystem";
    host = "localhost";
    username = "engelsystem";
  };
}
```

Example:

```
{
  autoarrive = true;
```

```
database = {
  database = "engelsystem";
  host = "database.example.com";
  password = {
    _secret = "/var/keys/engelsystem/database";
  };
  username = "engelsystem";
};
default_locale = "de_DE";
email = {
  driver = "smtp";
  encryption = "tls";
  from = {
    address = "engelsystem@example.com";
    name = "example engelsystem";
  };
  host = "smtp.example.com";
  password = {
    _secret = "/var/keys/engelsystem/mail";
  };
  port = 587;
  username = "engelsystem@example.com";
};
maintenance = false;
min_password_length = 6;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/engelsystem.nix>

services.ente.api.enable
Whether to enable Museum (API server for ente.io).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/ente.nix>

services.ente.api.enableLocalDB
Whether to enable the automatic creation of a local postgres database for museum…

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/ente.nix>

services.ente.api.package
The museum package to use.

Type: package

Default:

```
pkgs.museum
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/ente.nix>

services.ente.api.domain
The domain under which the api will be served.

Type: string

Example:

```
"api.ente.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/ente.nix>

services.ente.api.group
Group under which museum runs. If you set this option you must make sure the group exists.

Type: string

Default:

```
"ente"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/ente.nix>

services.ente.api.nginx.enable
Whether to enable nginx proxy for the API server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/ente.nix>

services.ente.api.settings
Museum yaml configuration. Refer to upstream **local.yaml** for more information. You can specify secret values in this configuration by setting ‘somevalue._secret = "/path/to/file"’ instead of setting ‘somevalue’ directly.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/ente.nix>

services.ente.api.settings.apps.accounts
Set this to the URL where your accounts page is running. This is primarily for passkey support.

Type: string

Default:

```
"https://accounts.ente.io"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/ente.nix>

services.ente.api.settings.apps.cast
Set this to the URL where your cast page is running. This is for browser and chromecast casting support.

Type: string

Default:

```
"https://cast.ente.io"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/ente.nix>

services.ente.api.settings.apps.public−albums
If you’re running a self hosted instance and wish to serve public links, set this to the URL where your albums web app is running.

Type: string

Default:

```
"https://albums.ente.io"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/ente.nix>

services.ente.api.settings.db.host
The database host

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/ente.nix>

services.ente.api.settings.db.name
The database name

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/ente.nix>

services.ente.api.settings.db.port
The database port

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5432
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/ente.nix>

services.ente.api.settings.db.user
The database user

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/ente.nix>

services.ente.api.user
User under which museum runs. If you set this option you must make sure the user exists.

Type: string

Default:

```
"ente"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/ente.nix>

services.ente.web.enable
Whether to enable Ente web frontend (Photos, Albums).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/ente.nix>

services.ente.web.package
The ente−web package to use.

Type: package

Default:

```
pkgs.ente−web
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/ente.nix>

services.ente.web.domains.accounts
The domain under which the accounts frontend will be served.

Type: string

Example:

```
"accounts.ente.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/ente.nix>

services.ente.web.domains.albums
The domain under which the albums frontend will be served.

Type: string

Example:

```
"albums.ente.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/ente.nix>

services.ente.web.domains.api
The domain under which the api is served. This will NOT serve the api itself, but is a required setting to host the frontends! This will automatically be set for you if you enable both the api server and web frontends.

Type: string

Example:

```
"api.ente.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/ente.nix>

services.ente.web.domains.cast
The domain under which the cast frontend will be served.

Type: string

Example:

```
"cast.ente.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/ente.nix>

services.ente.web.domains.photos
The domain under which the photos frontend will be served.

Type: string

Example:

```
"photos.ente.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/ente.nix>

services.envfs.enable
Fuse filesystem that returns symlinks to executables based on the PATH of the requesting process. This is useful to execute shebangs on NixOS that assume hard coded locations in locations like /bin or /usr/bin etc.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/envfs.nix>

services.envfs.package
Which package to use for the envfs.

Type: package

Default:

```
pkgs.envfs
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/envfs.nix>

services.envfs.extraFallbackPathCommands
Extra commands to run in the package that contains fallback executables in case not other executable is found

Type: strings concatenated with "\n"

Default:
```
""
```

Example:
```
"ln -s $''{pkgs.bash}/bin/bash $out/bash"
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/envfs.nix>

services.envoy.enable
Whether to enable Envoy reverse proxy.

Type: boolean

Default:
```
false
```

Example:
```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/envoy.nix>

services.envoy.package
The envoy package to use.

Type: package

Default:
```
pkgs.envoy
```

Declared by:
<nixpkgs/nixos/modules/services/networking/envoy.nix>

services.envoy.requireValidConfig
Whether a failure during config validation at build time is fatal. When the config can't be checked during build time, for example when it includes other files, disable this option.

Type: boolean

Default:
```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/envoy.nix>

services.envoy.settings
Specify the configuration for Envoy in Nix.

Type: JSON value

Default:
```
{ }
```

Example:

```
{
  admin = {
    access_log_path = "/dev/null";
    address = {
      socket_address = {
        protocol = "TCP";
        address = "127.0.0.1";
        port_value = 9901;
      };
    };
  };
  static_resources = {
    listeners = [];
    clusters = [];
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/envoy.nix>

services.epgstation.enable
Whether to enable EPGStation: DVR system for Mirakurun−managed TV tuners.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/video/epgstation/default.nix>

services.epgstation.package
The epgstation package to use.

Type: package

Default:

```
pkgs.epgstation
```

Declared by:
<nixpkgs/nixos/modules/services/video/epgstation/default.nix>

services.epgstation.database.name
Name of the MySQL database that holds EPGStation’s data.

Type: string

Default:

```
"epgstation"
```

Declared by:
<nixpkgs/nixos/modules/services/video/epgstation/default.nix>

services.epgstation.database.passwordFile

A file containing the password for the database named **database.name**.

Type: absolute path

Example:

```
"/run/keys/epgstation-db-password"
```

Declared by:

<nixpkgs/nixos/modules/services/video/epgstation/default.nix>

services.epgstation.ffmpeg

The ffmpeg package to use.

Type: package

Default:

```
pkgs.ffmpeg-headless
```

Example:

```
ffmpeg-full
```

Declared by:

<nixpkgs/nixos/modules/services/video/epgstation/default.nix>

services.epgstation.openFirewall

Open ports in the firewall for the EPGStation web interface.

Warning
Exposing EPGStation to the open internet is generally advised against. Only use it inside a trusted local network, or consider putting it behind a VPN if you want remote access.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/video/epgstation/default.nix>

services.epgstation.settings

Options to add to config.yml.

Documentation: **https://github.com/l3tnun/EPGStation/blob/master/doc/conf-manual.md**

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Example:

```
{
  conflictPriority = 10;
  recPriority = 20;
}
```

Declared by:

<nixpkgs/nixos/modules/services/video/epgstation/default.nix>

services.epgstation.settings.clientSocketioPort

Socket.io port that the web client is going to connect to. This may be different from **services.epgstation.settings.socketioPort** if EPGStation is hidden behind a reverse proxy.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
config.services.epgstation.settings.socketioPort
```

Declared by:

<nixpkgs/nixos/modules/services/video/epgstation/default.nix>

services.epgstation.settings.concurrentEncodeNum

The maximum number of encoding jobs that EPGStation would run at the same time.

Type: positive integer, meaning >0

Default:

```
1
```

Declared by:

<nixpkgs/nixos/modules/services/video/epgstation/default.nix>

services.epgstation.settings.encode

Encoding presets for recorded videos.

Type: list of (attribute set)

Default:

```
[
  {
    name = "H.264";
    cmd = "%NODE% config.services.epgstation.package/libexec/enc.js \
";
    suffix = ".mp4";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/video/epgstation/default.nix>

services.epgstation.settings.encodeProcessNum

The maximum number of processes that EPGStation would allow to run at the same time for encoding or streaming videos.

Type: positive integer, meaning >0

Default:

```
4
```

Declared by:

<nixpkgs/nixos/modules/services/video/epgstation/default.nix>

services.epgstation.settings.mirakurunPath

URL to connect to Mirakurun.

Type: string

Default:

```
"http+unix://${lib.replaceStrings ["/"] ["%2F"] config.services.mir \
akurun.unixSocket}"
```

Example:

```
"http://localhost:40772"
```

Declared by:
<nixpkgs/nixos/modules/services/video/epgstation/default.nix>

services.epgstation.settings.port
HTTP port for EPGStation to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
20772
```

Declared by:
<nixpkgs/nixos/modules/services/video/epgstation/default.nix>

services.epgstation.settings.socketioPort
Socket.io port for EPGStation to listen on. It is valid to share ports with **services.epgstation.settings.port**.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
config.services.epgstation.settings.port + 1
```

Declared by:
<nixpkgs/nixos/modules/services/video/epgstation/default.nix>

services.epgstation.usePreconfiguredStreaming
Use preconfigured default streaming options.

Upstream defaults: **https://github.com/l3tnun/EPGStation/blob/master/config/config.yml.template**

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/video/epgstation/default.nix>

services.epmd.enable
Whether to enable socket activation for Erlang Port Mapper Daemon (epmd), which acts as a name server on all hosts involved in distributed Erlang computations.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/epmd.nix>

services.epmd.package
The erlang package to use.

Type: package

Default:

```
pkgs.erlang
```

Declared by:
<nixpkgs/nixos/modules/services/networking/epmd.nix>

services.epmd.listenStream
the listenStream used by the systemd socket. see **https://www.freedesktop.org/software/systemd/man/systemd.socket.html#ListenStream=** for more information. use this to change the port epmd will run on. if not defined, epmd will use “[::]:4369”

Type: string or list of string

Default:

```
"[::]:4369"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/epmd.nix>

services.ergo.enable
Whether to enable Ergo service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ergo.nix>

services.ergo.api.keyHash
Hex−encoded Blake2b256 hash of an API key as a 64−chars long Base16 string.

Type: null or string

Default:

```
null
```

Example:

```
"324dcf027dd4a30a932c441f365a25e86b173defa4b8e58948253471b81b72cf"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ergo.nix>

services.ergo.api.listen.ip
IP address that the Ergo node API should listen on if **api.keyHash** is defined.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ergo.nix>

services.ergo.api.listen.port
Listen port for the API endpoint if **api.keyHash** is defined.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9052
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ergo.nix>

services.ergo.dataDir
The data directory for the Ergo node.

Type: absolute path

Default:

```
"/var/lib/ergo"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ergo.nix>

services.ergo.group
The group as which to run the Ergo node.

Type: string

Default:

```
config.services.ergo.user
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ergo.nix>

services.ergo.listen.ip
IP address on which the Ergo node should listen.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ergo.nix>

services.ergo.listen.port
Listen port for the Ergo node.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9006
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ergo.nix>

services.ergo.openFirewall
Open ports in the firewall for the Ergo node as well as the API.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ergo.nix>

services.ergo.testnet
Connect to testnet network instead of the default mainnet.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ergo.nix>

services.ergo.user
The user as which to run the Ergo node.

Type: string

Default:

```
"ergo"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ergo.nix>

services.ergochat.enable
Whether to enable Ergo IRC daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ergochat.nix>

services.ergochat.configFile
Path to configuration file. Setting this will skip any configuration done via ‘settings’

Type: absolute path

Default: generated config file from settings

Declared by:
<nixpkgs/nixos/modules/services/networking/ergochat.nix>

services.ergochat.openFilesLimit
Maximum number of open files. Limits the clients and server connections.

Type: signed integer

Default:

```
1024
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ergochat.nix>

services.ergochat.settings
Ergo IRC daemon configuration file. https://raw.githubusercontent.com/ergochat/ergo/master/default.yaml

Type: YAML 1.1 value

Default:

```
{
  accounts = {
    authentication-enabled = true;
    multiclient = {
      allowed-by-default = true;
      always-on = "opt-out";
```

```
    auto-away = "opt-out";
    enabled = true;
  };
  registration = {
    allow-before-connect = true;
    bcrypt-cost = 4;
    email-verification = {
      enabled = false;
    };
    enabled = true;
    throttling = {
      duration = "10m";
      enabled = true;
      max-attempts = 30;
    };
  };
};
channels = {
  default-modes = "+ntC";
  registration = {
    enabled = true;
  };
};
datastore = {
  autoupgrade = true;
  path = "/var/lib/ergo/ircd.db";
};
history = {
  autoreplay-on-join = 0;
  autoresize-window = "3d";
  channel-length = 2048;
  chathistory-maxmessages = 100;
  client-length = 256;
  enabled = true;
  restrictions = {
    expire-time = "1w";
    grace-period = "1h";
    query-cutoff = "none";
  };
  retention = {
    allow-individual-delete = false;
    enable-account-indexing = false;
  };
  tagmsg-storage = {
    default = false;
    whitelist = [
      "+draft/react"
      "+react"
    ];
  };
  znc-maxmessages = 2048;
};
limits = {
```

```
      awaylen = 390;
      channellen = 64;
      identlen = 20;
      kicklen = 390;
      nicklen = 32;
      topiclen = 390;
    };
    network = {
      name = "testnetwork";
    };
    server = {
      casemapping = "permissive";
      check-ident = false;
      enforce-utf = true;
      forward-confirm-hostnames = false;
      ip-cloaking = {
        enabled = false;
      };
      ip-limits = {
        count = false;
        throttle = false;
      };
      listeners = {
        ":6667" = { };
      };
      lookup-hostnames = false;
      max-sendq = "1M";
      name = "example.com";
      relaymsg = {
        enabled = false;
      };
    };
  }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ergochat.nix>

services.erigon.enable

Whether to enable Ethereum implementation on the efficiency frontier.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/erigon.nix>

services.erigon.package

The erigon package to use.

Type: package

Default:

```
pkgs.erigon
```

Declared by:

<nixpkgs/nixos/modules/services/blockchain/ethereum/erigon.nix>

services.erigon.extraArgs

Additional arguments passed to Erigon

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/blockchain/ethereum/erigon.nix>

services.erigon.secretJwtPath

Path to the secret jwt used for the http api authentication.

Type: absolute path

Default:

```
""
```

Example:

```
"config.age.secrets.ERIGON_JWT.path"
```

Declared by:

<nixpkgs/nixos/modules/services/blockchain/ethereum/erigon.nix>

services.erigon.settings

Configuration for Erigon Refer to **https://github.com/ledgerwatch/erigon#usage** for details on supported values.

Type: TOML value

Default:

```
{
  datadir = "/var/lib/erigon";
  chain = "mainnet";
  http = true;
  "http.port" = 8545;
  "http.api" = ["eth" "debug" "net" "trace" "web3" "erigon"];
  ws = true;
  port = 30303;
  "authrpc.port" = 8551;
  "torrent.port" = 42069;
  "private.api.addr" = "localhost:9090";
  "log.console.verbosity" = 3; # info
}
```

Example:

```
{
  "authrpc.port" = 8551;
```

```
  chain = "mainnet";
  datadir = "/var/lib/erigon";
  http = true;
  "http.api" = [
    "eth"
    "debug"
    "net"
    "trace"
    "web3"
    "erigon"
  ];
  "http.port" = 8545;
  "log.console.verbosity" = 3;
  port = 30303;
  "private.api.addr" = "localhost:9090";
  "torrent.port" = 42069;
  ws = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/erigon.nix>

services.errbot.instances
Errbot instance configs

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/errbot.nix>

services.errbot.instances.<name>.admins
List of identifiers of errbot admins.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/errbot.nix>

services.errbot.instances.<name>.backend
Errbot backend name.

Type: string

Default:

```
"XMPP"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/errbot.nix>

services.errbot.instances.<name>.dataDir
Data directory for errbot instance.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/errbot.nix>

services.errbot.instances.<name>.extraConfig
String to be appended to the config verbatim

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/misc/errbot.nix>

services.errbot.instances.<name>.identity
Errbot identity configuration

Type: attribute set

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/errbot.nix>

services.errbot.instances.<name>.logLevel
Errbot log level

Type: string

Default:

```
"INFO"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/errbot.nix>

services.errbot.instances.<name>.plugins
List of errbot plugin derivations.

Type: list of package

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/errbot.nix>

services.ersatztv.enable
Whether to enable ErsatzTV.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ersatztv.nix>

services.ersatztv.package
The ersatztv package to use.

Type: package

Default:

```
pkgs.ersatztv
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ersatztv.nix>

services.ersatztv.baseUrl
Base URL to support reverse proxies that use paths (e.g. ‘/ersatztv’)

Type: string

Default:

```
"/"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ersatztv.nix>

services.ersatztv.environment
Environment variables to set for the ErsatzTV service.

Type: attribute set of (string or signed integer or floating point number or boolean or absolute path or package)

Default:

```
{
  ETV_BASE_URL = "/";
  ETV_UI_PORT = 8409;
}
```

Example:

```
{
  ETV_STREAMING_PORT = 8001;
  ETV_UI_PORT = 8000;
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ersatztv.nix>

services.ersatztv.group
Group under which ErsatzTV runs.

Type: string

Default:

```
"ersatztv"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ersatztv.nix>

services.ersatztv.openFirewall

Open the default ports in the firewall for the server.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/ersatztv.nix>

services.ersatztv.user

User account under which ErsatzTV runs.

Type: string

Default:

```
"ersatztv"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/ersatztv.nix>

services.esdm.enable

Whether to enable ESDM service configuration.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/security/esdm.nix>

services.esdm.enableLinuxCompatServices

Enable /dev/random, /dev/urandom and /proc/sys/kernel/random/* userspace wrapper.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/security/esdm.nix>

services.esdm.package

The esdm package to use.

Type: package

Default:

```
pkgs.esdm
```

Declared by:

<nixpkgs/nixos/modules/services/security/esdm.nix>

services.espanso.enable

Whether to enable Espanso.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/desktops/espanso.nix>

services.espanso.package

The espanso package to use.

Type: package

Default:

```
pkgs.espanso
```

Example:

```
pkgs.espanso-wayland
```

Declared by:

<nixpkgs/nixos/modules/services/desktops/espanso.nix>

services.esphome.enable

Whether to enable esphome, for making custom firmwares for ESP32/ESP8266.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/home-automation/esphome.nix>

services.esphome.enableUnixSocket

Listen on a unix socket '/run/esphome/esphome.sock' instead of the TCP port.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/home-automation/esphome.nix>

services.esphome.package

The esphome package to use.

Type: package

Default:

```
pkgs.esphome
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/esphome.nix>

services.esphome.address
esphome address

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/esphome.nix>

services.esphome.allowedDevices
A list of device nodes to which **esphome** has access to. Refer to DeviceAllow in **systemd.resource−control**(5) for more information. Beware that if a device is referred to by an absolute path instead of a device category, it will only allow devices that already are plugged in when the service is started.

Type: list of string

Default:

```
[
  "char−ttyS"
  "char−ttyUSB"
]
```

Example:

```
[
  "/dev/serial/by−id/usb−Silicon_Labs_CP2102_USB_to_UART_Bridge_C \
ontroller_0001−if00−port0"
]
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/esphome.nix>

services.esphome.environment
Extra environment variables to pass to ESPHome. Secrets should be passed using the **services.esphome.environmentFile** option.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  PASSWORD = "gensokyo9";
  USERNAME = "reimu";
}
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/esphome.nix>

services.esphome.environmentFile
Path to an environment file. Use this option for setting the dashboard password.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/esphome.nix>

services.esphome.openFirewall
Whether to open the firewall for the specified port.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/esphome.nix>

services.esphome.port
esphome port

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
6052
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/esphome.nix>

services.esphome.usePing
Use ping to check online status of devices instead of mDNS

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/esphome.nix>

services.etcd.enable
Whether to enable etcd.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/databases/etcd.nix>

services.etcd.package
The etcd package to use.

Type: package

Default:

```
pkgs.etcd
```

Declared by:
<nixpkgs/nixos/modules/services/databases/etcd.nix>

services.etcd.advertiseClientUrls
Etcd list of this member’s client URLs to advertise to the rest of the cluster.

Type: list of string

Default:

```
config.services.etcd.listenClientUrls
```

Declared by:
<nixpkgs/nixos/modules/services/databases/etcd.nix>

services.etcd.certFile
Cert file to use for clients

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/databases/etcd.nix>

services.etcd.clientCertAuth
Whether to use certs for client authentication

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/databases/etcd.nix>

services.etcd.dataDir
Etcd data directory.

Type: absolute path

Default:

```
"/var/lib/etcd"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/etcd.nix>

services.etcd.discovery
Etcd discovery url

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/databases/etcd.nix>

services.etcd.extraConf
Etcd extra configuration. See **https://github.com/coreos/etcd/blob/master/Documentation/op-guide/configuration.md#configuration-flags**

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  "CORS" = "*";
  "NAME" = "default-name";
  "MAX_RESULT_BUFFER" = "1024";
```

```
  "MAX_CLUSTER_SIZE" = "9";
  "MAX_RETRY_ATTEMPTS" = "3";
}
```

Declared by:
<nixpkgs/nixos/modules/services/databases/etcd.nix>

services.etcd.initialAdvertisePeerUrls
Etcd list of this member's peer URLs to advertise to rest of the cluster.

Type: list of string

Default:

```
config.services.etcd.listenPeerUrls
```

Declared by:
<nixpkgs/nixos/modules/services/databases/etcd.nix>

services.etcd.initialCluster
Etcd initial cluster configuration for bootstrapping.

Type: list of string

Default:

```
["${config.services.etcd.name}=http://127.0.0.1:2380"]
```

Declared by:
<nixpkgs/nixos/modules/services/databases/etcd.nix>

services.etcd.initialClusterState
Etcd initial cluster configuration for bootstrapping.

Type: one of "new", "existing"

Default:

```
"new"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/etcd.nix>

services.etcd.initialClusterToken
Etcd initial cluster token for etcd cluster during bootstrap.

Type: string

Default:

```
"etcd-cluster"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/etcd.nix>

services.etcd.keyFile
Key file to use for clients

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/databases/etcd.nix>

services.etcd.listenClientUrls

Etcd list of URLs to listen on for client traffic.

Type: list of string

Default:

```
[
  "http://127.0.0.1:2379"
]
```

Declared by:

<nixpkgs/nixos/modules/services/databases/etcd.nix>

services.etcd.listenPeerUrls

Etcd list of URLs to listen on for peer traffic.

Type: list of string

Default:

```
[
  "http://127.0.0.1:2380"
]
```

Declared by:

<nixpkgs/nixos/modules/services/databases/etcd.nix>

services.etcd.name

Etcd unique node name.

Type: string

Default:

```
config.networking.hostName
```

Declared by:

<nixpkgs/nixos/modules/services/databases/etcd.nix>

services.etcd.openFirewall

Open etcd ports in the firewall. Ports opened:

- 2379/tcp for client requests
- 2380/tcp for peer communication

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/databases/etcd.nix>

services.etcd.peerCertFile

Cert file to use for peer to peer communication

Type: null or absolute path

Default:

```
config.services.etcd.certFile
```

Declared by:

<nixpkgs/nixos/modules/services/databases/etcd.nix>

services.etcd.peerClientCertAuth

Whether to check all incoming peer requests from the cluster for valid client certificates signed by the supplied CA

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/databases/etcd.nix>

services.etcd.peerKeyFile

Key file to use for peer to peer communication

Type: null or absolute path

Default:

```
config.services.etcd.keyFile
```

Declared by:

<nixpkgs/nixos/modules/services/databases/etcd.nix>

services.etcd.peerTrustedCaFile

Certificate authority file to use for peer to peer communication

Type: null or absolute path

Default:

```
config.services.etcd.trustedCaFile
```

Declared by:

<nixpkgs/nixos/modules/services/databases/etcd.nix>

services.etcd.trustedCaFile

Certificate authority file to use for clients

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/databases/etcd.nix>

services.etebase−server.enable

Whether to enable the Etebase server.

Once enabled you need to create an admin user by invoking the shell command ‘etebase−server createsuperuser’ with the user specified by the ‘user’ option or a superuser. Then you can login and create accounts on your−etebase−server.com/admin

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/etebase−server.nix>

services.etebase−server.package
The etebase−server package to use.

Type: package

Default:

```
pkgs.etebase−server
```

Declared by:
<nixpkgs/nixos/modules/services/misc/etebase−server.nix>

services.etebase−server.dataDir
Directory to store the Etebase server data.

Type: string

Default:

```
"/var/lib/etebase−server"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/etebase−server.nix>

services.etebase−server.openFirewall
Whether to open ports in the firewall for the server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/etebase−server.nix>

services.etebase−server.port
Port to listen on.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8001
```

Declared by:
<nixpkgs/nixos/modules/services/misc/etebase−server.nix>

services.etebase−server.settings
Configuration for ‘etebase−server’. Refer to **https://github.com/etesync/server/blob/master/etebase−server.ini.example** and **https://github.com/etesync/server/wiki** for details on supported values.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Example:

```
{
  allowed_hosts = {
    allowed_host2 = "localhost";
  };
  global = {
```

```
    debug = true;
    media_root = "/path/to/media";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/etebase-server.nix>

services.etebase-server.settings.allowed_hosts.allowed_host1
The main host that is allowed access.

Type: string

Default:

```
"0.0.0.0"
```

Example:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/etebase-server.nix>

services.etebase-server.settings.database.engine
The database engine to use.

Type: one of “django.db.backends.sqlite3”, “django.db.backends.postgresql”

Default:

```
"django.db.backends.sqlite3"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/etebase-server.nix>

services.etebase-server.settings.database.name
The database name.

Type: string

Default:

```
"${config.services.etebase-server.dataDir}/db.sqlite3"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/etebase-server.nix>

services.etebase-server.settings.global.debug
Whether to set django’s DEBUG flag.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/etebase-server.nix>

services.etebase-server.settings.global.media_root
The media directory.

Type: string

Default:

```
"${config.services.etebase-server.dataDir}/media"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/etebase-server.nix>

services.etebase-server.settings.global.secret_file
The path to a file containing the secret used as django's SECRET_KEY.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/etebase-server.nix>

services.etebase-server.settings.global.static_root
The directory for static files.

Type: string

Default:

```
"${config.services.etebase-server.dataDir}/static"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/etebase-server.nix>

services.etebase-server.unixSocket
The path to the socket to bind to.

Type: null or string

Default:

```
null
```

Example:

```
"/run/etebase-server/etebase-server.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/etebase-server.nix>

services.etebase-server.user
User under which Etebase server runs.

Type: string

Default:

```
"etebase-server"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/etebase-server.nix>

services.eternal-terminal.enable
Whether to enable Eternal Terminal server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/eternal−terminal.nix>

services.eternal−terminal.logSize
The maximum log size.

Type: signed integer

Default:

```
20971520
```

Declared by:
<nixpkgs/nixos/modules/services/networking/eternal−terminal.nix>

services.eternal−terminal.port
The port the server should listen on. Will use the server's default (2022) if not specified.

Make sure to open this port in the firewall if necessary.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
2022
```

Declared by:
<nixpkgs/nixos/modules/services/networking/eternal−terminal.nix>

services.eternal−terminal.silent
If enabled, disables all logging.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/eternal−terminal.nix>

services.eternal−terminal.verbosity
The verbosity level (0−9).

Type: one of 0, 1, 2, 3, 4, 5, 6, 7, 8, 9

Default:

Declared by:
<nixpkgs/nixos/modules/services/networking/eternal−terminal.nix>

services.etesync−dav.enable
Whether to enable etesync−dav, end−to−end encrypted sync for contacts, calendars and tasks.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/etesync−dav.nix>

services.etesync−dav.apiUrl
The url to the etesync API.

Type: string

Default:

```
"https://api.etebase.com/partner/etesync/"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/etesync−dav.nix>

services.etesync−dav.host
The server host address.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/etesync−dav.nix>

services.etesync−dav.openFirewall
Whether to open the firewall for the specified port.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/etesync−dav.nix>

services.etesync−dav.port
The server host port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
37358
```

Declared by:
<nixpkgs/nixos/modules/services/misc/etesync−dav.nix>

services.etesync−dav.sslCertificate
Path to server SSL certificate. It will be copied into etesync−dav's data directory.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/etesync.crt"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/etesync−dav.nix>

services.etesync−dav.sslCertificateKey

Path to server SSL certificate key. It will be copied into etesync−dav's data directory.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/etesync.key"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/etesync−dav.nix>

services.evcc.enable

Whether to enable EVCC, the extensible EV Charge Controller and Home Energy Management System.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/home−automation/evcc.nix>

services.evcc.package

The evcc package to use.

Type: package

Default:

```
pkgs.evcc
```

Declared by:

<nixpkgs/nixos/modules/services/home−automation/evcc.nix>

services.evcc.environmentFile

File with environment variables to pass into the runtime environment.

Useful to pass secrets into the configuration, that get applied using 'envsubst'.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/evcc"
```

Declared by:

<nixpkgs/nixos/modules/services/home−automation/evcc.nix>

services.evcc.extraArgs

Extra arguments to pass to the 'evcc' executable.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/evcc.nix>

services.evcc.settings
evcc configuration as a Nix attribute set. Supports substitution of secrets using 'envsubst' from the 'environmentFile'.

Check for possible options in the sample **evcc.dist.yaml**.

Type: YAML 1.1 value

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/evcc.nix>

services.evdevremapkeys.enable
Whether to enable evdevremapkeys, a daemon to remap events on linux input devices.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/evdevremapkeys.nix>

services.evdevremapkeys.settings
config.yaml for evdevremapkeys

Type: YAML 1.1 value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/evdevremapkeys.nix>

services.evremap.enable
Whether to enable evremap, a keyboard input remapper for Linux/Wayland systems.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/evremap.nix>

services.evremap.settings
Settings for evremap.

See the **upstream documentation** for how to configure evremap.

Type: open submodule of (TOML value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/evremap.nix>

services.evremap.settings.device_name
The name of the device that should be remapped.

You can get a list of devices by running ‘evremap list−devices’ with elevated permissions.

Type: string

Example:

```
"AT Translated Set 2 keyboard"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/evremap.nix>

services.evremap.settings.dual_role
List of dual−role remappings that output different key sequences based on whether the input key is held or tapped.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    hold = [
      "KEY_LEFTCTRL"
    ];
    input = "KEY_CAPSLOCK";
    tap = [
      "KEY_ESC"
    ];
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/evremap.nix>

services.evremap.settings.dual_role.*.hold
The key sequence that should be output when the input key is held.

You can get a list of keys by running ‘evremap list−keys’.

Type: list of key ID prefixed with BTN_ or KEY_

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/evremap.nix>

services.evremap.settings.dual_role.*.input
The key that should be remapped.

You can get a list of keys by running ‘evremap list−keys’.

Type: key ID prefixed with BTN_ or KEY_

Declared by:
<nixpkgs/nixos/modules/services/misc/evremap.nix>

services.evremap.settings.dual_role.*.tap
The key sequence that should be output when the input key is tapped.

You can get a list of keys by running ‘evremap list−keys’.

Type: list of key ID prefixed with BTN_ or KEY_

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/evremap.nix>

services.evremap.settings.phys
The physical device name to listen on.

This attribute may be specified to disambiguate multiple devices with the same device name. The physical device names of each device can be obtained by running ‘evremap list−devices’ with elevated permissions.

Type: null or string

Default:

```
null
```

Example:

```
"usb−0000:07:00.3−2.1.1/input0"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/evremap.nix>

services.evremap.settings.remap
List of remappings.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    input = [
      "KEY_LEFTALT"
      "KEY_UP"
    ];
    output = [
      "KEY_PAGEUP"
    ];
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/evremap.nix>

services.evremap.settings.remap.*.input

The key sequence that should be remapped.

You can get a list of keys by running ‘evremap list−keys’.

Type: list of key ID prefixed with BTN_ or KEY_

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/misc/evremap.nix>

services.evremap.settings.remap.*.output

The key sequence that should be output when the input sequence is entered.

You can get a list of keys by running ‘evremap list−keys’.

Type: list of key ID prefixed with BTN_ or KEY_

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/misc/evremap.nix>

services.exim.enable

Whether to enable the Exim mail transfer agent.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/mail/exim.nix>

services.exim.package

The exim package to use. This can be used to enable features such as LDAP or PAM support.

Type: package

Default:

```
pkgs.exim
```

Declared by:

<nixpkgs/nixos/modules/services/mail/exim.nix>

services.exim.config

Verbatim Exim configuration. This should not contain exim_user, exim_group, exim_path, or spool_directory.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/mail/exim.nix>

services.exim.group

Group to use when no root privileges are required.

Type: string

Default:

```
"exim"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/exim.nix>

services.exim.queueRunnerInterval

How often to spawn a new queue runner.

Type: string

Default:

```
"5m"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/exim.nix>

services.exim.spoolDir

Location of the spool directory of exim.

Type: absolute path

Default:

```
"/var/spool/exim"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/exim.nix>

services.exim.user

User to use when no root privileges are required. In particular, this applies when receiving messages and when doing remote deliveries. (Local deliveries run as various non−root users, typically as the owner of a local mailbox.) Specifying this value as root is not supported.

Type: string

Default:

```
"exim"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/exim.nix>

services.expressvpn.enable

Enable the ExpressVPN daemon.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/expressvpn.nix>

services.factorio.enable

Whether to enable Factorio.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/games/factorio.nix>

services.factorio.package
The factorio−headless package to use.

Type: package

Default:

```
pkgs.factorio-headless
```

Example:

```
factorio-headless-experimental
```

Declared by:
<nixpkgs/nixos/modules/services/games/factorio.nix>

services.factorio.admins
List of player names which will be admin.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "username"
]
```

Declared by:
<nixpkgs/nixos/modules/services/games/factorio.nix>

services.factorio.allowedPlayers
If non−empty, only these player names are allowed to connect. The game will not be able to save any changes made in−game with the /whitelist console command, though they will still take effect until the server is restarted.

If empty, the whitelist defaults to open, but can be managed with the in−game /whitelist console command (see: /help whitelist), which will cause changes to be saved to the game's state directory (see also: 'stateDirName').

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "Rseding91"
  "Oxyd"
]
```

Declared by:
<nixpkgs/nixos/modules/services/games/factorio.nix>

services.factorio.autosave−interval

Autosave interval in minutes.

Type: null or signed integer

Default:

```
null
```

Example:

```
10
```

Declared by:
<nixpkgs/nixos/modules/services/games/factorio.nix>

services.factorio.bind

The address to which the service should bind.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/games/factorio.nix>

services.factorio.configFile

The server's configuration file.

The default file generated by this module contains lines essential to the server's operation. Use its contents as a basis for any customizations.

Type: absolute path

Default:

```
configFile
```

Declared by:
<nixpkgs/nixos/modules/services/games/factorio.nix>

services.factorio.description

Description of the game that will appear in the listing.

Type: null or string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/games/factorio.nix>

services.factorio.extraArgs

Extra command line arguments.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--rcon-bind=localhost:27015"
  "--rcon-password=..."
]
```

Declared by:
<nixpkgs/nixos/modules/services/games/factorio.nix>

services.factorio.extraSettings
Extra game configuration that will go into server−settings.json

Type: attribute set

Default:

```
{ }
```

Example:

```
{
  max_players = 64;
}
```

Declared by:
<nixpkgs/nixos/modules/services/games/factorio.nix>

services.factorio.extraSettingsFile
File, which is dynamically applied to server−settings.json before startup.

This option should be used for credentials.

For example a settings file could contain:

```
{
  "game−password": "hunter1"
}
```

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/games/factorio.nix>

services.factorio.game−name
Name of the game as it will appear in the game listing.

Type: null or string

Default:

```
"Factorio Game"
```

Declared by:
<nixpkgs/nixos/modules/services/games/factorio.nix>

services.factorio.game−password
Game password.

This option is insecure. Use extraSettingsFile instead.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/games/factorio.nix>

services.factorio.lan

Game will be broadcast on LAN.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/games/factorio.nix>

services.factorio.loadLatestSave

Load the latest savegame on startup. This overrides saveName, in that the latest save will always be used even if a saved game of the given name exists. It still controls the 'canonical' name of the savegame.

Set this to true to have the server automatically reload a recent autosave after a crash or desync.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/games/factorio.nix>

services.factorio.mods

Mods the server should install and activate.

The derivations in this list must "build" the mod by simply copying the .zip, named correctly, into the output directory. Eventually, there will be a way to pull in the most up−to−date list of derivations via nixos−channel. Until then, this is for experts only.

Type: list of package

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/games/factorio.nix>

services.factorio.mods−dat

Mods settings can be changed by specifying a dat file, in the **mod settings file format**.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/games/factorio.nix>

services.factorio.nonBlockingSaving

Highly experimental feature, enable only at your own risk of losing your saves. On UNIX systems, server will fork itself to create an autosave. Autosaving on connected Windows clients will be disabled regardless of autosave_only_on_server option.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/games/factorio.nix>

services.factorio.openFirewall
Whether to automatically open the specified UDP port in the firewall.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/games/factorio.nix>

services.factorio.password
Your factorio.com login credentials. Required for games with visibility public.

This option is insecure. Use extraSettingsFile instead.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/games/factorio.nix>

services.factorio.port
The port to which the service should bind.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
34197
```

Declared by:
<nixpkgs/nixos/modules/services/games/factorio.nix>

services.factorio.public
Game will be published on the official Factorio matching server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/games/factorio.nix>

services.factorio.requireUserVerification
When set to true, the server will only allow clients that have a valid factorio.com account.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/games/factorio.nix>

services.factorio.saveName

The name of the savegame that will be used by the server.

When not present in /var/lib/${config.services.factorio.stateDirName}/saves, a new map with default settings will be generated before starting the service.

Type: string

Default:

```
"default"
```

Declared by:

<nixpkgs/nixos/modules/services/games/factorio.nix>

services.factorio.stateDirName

Name of the directory under /var/lib holding the server's data.

The configuration and map will be stored here.

Type: string

Default:

```
"factorio"
```

Declared by:

<nixpkgs/nixos/modules/services/games/factorio.nix>

services.factorio.token

Authentication token. May be used instead of 'password' above.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/games/factorio.nix>

services.factorio.username

Your factorio.com login credentials. Required for games with visibility public.

This option is insecure. Use extraSettingsFile instead.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/games/factorio.nix>

services.fail2ban.enable

Whether to enable the fail2ban service.

See the documentation of **services.fail2ban.jails** for what jails are enabled by default.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/security/fail2ban.nix>

services.fail2ban.package

The fail2ban package to use.

Type: package

Default:

```
pkgs.fail2ban
```

Example:

```
fail2ban_0_11
```

Declared by:

<nixpkgs/nixos/modules/services/security/fail2ban.nix>

services.fail2ban.packageFirewall

The firewall package used by fail2ban service. Defaults to the package for your firewall (iptables or nftables).

Type: package

Default:

```
config.networking.firewall.package
```

Declared by:

<nixpkgs/nixos/modules/services/security/fail2ban.nix>

services.fail2ban.banaction

Default banning action (e.g. iptables, iptables−new, iptables−multiport, iptables−ipset−proto6−allports, shorewall, etc). It is used to define action_* variables. Can be overridden globally or per section within jail.local file

Type: string

Default:

```
if config.networking.nftables.enable then "nftables-multiport" els \
e "iptables-multiport"
```

Declared by:

<nixpkgs/nixos/modules/services/security/fail2ban.nix>

services.fail2ban.banaction−allports

Default banning action (e.g. iptables, iptables−new, iptables−multiport, shorewall, etc) for “allports” jails. It is used to define action_* variables. Can be overridden globally or per section within jail.local file

Type: string

Default:

```
if config.networking.nftables.enable then "nftables-allports" else \
 "iptables-allports"
```

Declared by:

<nixpkgs/nixos/modules/services/security/fail2ban.nix>

services.fail2ban.bantime

Number of seconds that a host is banned.

Type: string

Default:

```
"10m"
```

Example:

```
"1h"
```

Declared by:
<nixpkgs/nixos/modules/services/security/fail2ban.nix>

services.fail2ban.bantime−increment.enable
“bantime.increment” allows to use database for searching of previously banned ip’s to increase a default ban time using special formula, default it is banTime * 1, 2, 4, 8, 16, 32 …

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/fail2ban.nix>

services.fail2ban.bantime−increment.factor
“bantime.factor” is a coefficient to calculate exponent growing of the formula or common multiplier, default value of factor is 1 and with default value of formula, the ban time grows by 1, 2, 4, 8, 16 …

Type: null or string

Default:

```
null
```

Example:

```
"4"
```

Declared by:
<nixpkgs/nixos/modules/services/security/fail2ban.nix>

services.fail2ban.bantime−increment.formula
“bantime.formula” used by default to calculate next value of ban time, default value below, the same ban time growing will be reached by multipliers 1, 2, 4, 8, 16, 32 …

Type: null or string

Default:

```
null
```

Example:

```
"ban.Time * math.exp(float(ban.Count+1)*banFactor)/math.exp(1*banFa \
ctor)"
```

Declared by:
<nixpkgs/nixos/modules/services/security/fail2ban.nix>

services.fail2ban.bantime−increment.maxtime
“bantime.maxtime” is the max number of seconds using the ban time can reach (don’t grows further)

Type: null or string

Default:

```
null
```

Example:

```
"48h"
```

Declared by:
<nixpkgs/nixos/modules/services/security/fail2ban.nix>

services.fail2ban.bantime−increment.multipliers
"bantime.multipliers" used to calculate next value of ban time instead of formula, corresponding previously ban count and given "bantime.factor" (for multipliers default is 1); following example grows ban time by 1, 2, 4, 8, 16 … and if last ban count greater as multipliers count, always used last multiplier (64 in example), for factor '1' and original ban time 600 − 10.6 hours

Type: null or string

Default:

```
null
```

Example:

```
"1 2 4 8 16 32 64"
```

Declared by:
<nixpkgs/nixos/modules/services/security/fail2ban.nix>

services.fail2ban.bantime−increment.overalljails
"bantime.overalljails" (if true) specifies the search of IP in the database will be executed cross over all jails, if false (default), only current jail of the ban IP will be searched.

Type: null or boolean

Default:

```
null
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/fail2ban.nix>

services.fail2ban.bantime−increment.rndtime
"bantime.rndtime" is the max number of seconds using for mixing with random time to prevent "clever" botnets calculate exact time IP can be unbanned again

Type: null or string

Default:

```
null
```

Example:

```
"8m"
```

Declared by:
<nixpkgs/nixos/modules/services/security/fail2ban.nix>

services.fail2ban.daemonSettings
The contents of Fail2ban's main configuration file. It's generally not necessary to change it.

Type: attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{
  Definition = {
    logtarget = "SYSLOG";
    socket = "/run/fail2ban/fail2ban.sock";
    pidfile = "/run/fail2ban/fail2ban.pid";
```

```
      dbfile = "/var/lib/fail2ban/fail2ban.sqlite3";
    };
  }
```

Declared by:
<nixpkgs/nixos/modules/services/security/fail2ban.nix>

services.fail2ban.extraPackages
Extra packages to be made available to the fail2ban service. The example contains the packages needed by the ‘iptables−ipset−proto6’ action.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.ipset ]
```

Declared by:
<nixpkgs/nixos/modules/services/security/fail2ban.nix>

services.fail2ban.ignoreIP
“ignoreIP” can be a list of IP addresses, CIDR masks or DNS hosts. Fail2ban will not ban a host which matches an address in this list. Several addresses can be defined using space (and/or comma) separator.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "192.168.0.0/16"
  "2001:DB8::42"
]
```

Declared by:
<nixpkgs/nixos/modules/services/security/fail2ban.nix>

services.fail2ban.jails
The configuration of each Fail2ban “jail”. A jail consists of an action (such as blocking a port using **iptables**) that is triggered when a filter applied to a log file triggers more than a certain number of times in a certain time period. Actions are defined in */etc/fail2ban/action.d*, while filters are defined in */etc/fail2ban/filter.d*.

NixOS comes with a default ‘sshd’ jail; for it to work well, **services.openssh.settings.LogLevel** should be set to ‘"VERBOSE"’ or higher so that fail2ban can observe failed login attempts. This module sets it to ‘"VERBOSE"’ if not set otherwise, so enabling fail2ban can make SSH logs more verbose.

Type: attribute set of (strings concatenated with “\n” or (submodule))

Default:

```
{ }
```

Example:

```
{
  apache−nohome−iptables = {
    settings = {
      # Block an IP address if it accesses a non−existent
```

```
            # home directory more than 5 times in 10 minutes,
            # since that indicates that it's scanning.
            filter = "apache-nohome";
            action = ''iptables-multiport[name=HTTP, port="http,https"]' \
        ';
            logpath = "/var/log/httpd/error_log*";
            backend = "auto";
            findtime = 600;
            bantime = 600;
            maxretry = 5;
          };
        };
        dovecot = {
          settings = {
            # block IPs which failed to log-in
            # aggressive mode add blocking for aborted connections
            filter = "dovecot[mode=aggressive]";
            maxretry = 3;
          };
        };
      };
```

Declared by:

<nixpkgs/nixos/modules/services/security/fail2ban.nix>

services.fail2ban.maxretry

Number of failures before a host gets banned.

Type: unsigned integer, meaning >=0

Default:

```
3
```

Declared by:

<nixpkgs/nixos/modules/services/security/fail2ban.nix>

services.fakeroute.enable

Whether to enable the fakeroute service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/fakeroute.nix>

services.fakeroute.route

Fake route that will appear after the real one to any host running a traceroute.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "216.102.187.130"
  "4.0.1.122"
  "198.116.142.34"
  "63.199.8.242"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fakeroute.nix>

services.fanout.enable
Whether to enable fanout.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/config/fanout.nix>

services.fanout.bufferSize
Size of /dev/fanout buffer in bytes

Type: signed integer

Default:

```
16384
```

Declared by:
<nixpkgs/nixos/modules/config/fanout.nix>

services.fanout.fanoutDevices
Number of /dev/fanout devices

Type: signed integer

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/config/fanout.nix>

services.fastnetmon−advanced.enable
Whether to enable the fastnetmon−advanced DDoS Protection daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fastnetmon−advanced.nix>

services.fastnetmon−advanced.enableAdvancedTrafficPersistence
Store historical flow data in clickhouse

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fastnetmon−advanced.nix>

services.fastnetmon−advanced.bgpPeers
BGP Peers to declaratively load into FastNetMon Advanced

Type: attribute set of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fastnetmon−advanced.nix>

services.fastnetmon−advanced.hostgroups
Hostgroups to declaratively load into FastNetMon Advanced

Type: attribute set of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fastnetmon−advanced.nix>

services.fastnetmon−advanced.settings
Extra configuration options to declaratively load into FastNetMon Advanced.

See the **FastNetMon Advanced Configuration options reference** for more details.

Type: YAML 1.1 value

Default:

```
{ }
```

Example:

```
{
  networks_list = [ "192.0.2.0/24" ];
  gobgp = true;
  gobgp_flow_spec_announces = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fastnetmon−advanced.nix>

services.fastnetmon−advanced.traffic_db.settings
Additional settings for /etc/fastnetmon/traffic_db.conf

Type: YAML 1.1 value

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fastnetmon−advanced.nix>

services.fcgiwrap.instances
Configuration for fcgiwrap instances.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/fcgiwrap.nix>

services.fcgiwrap.instances.<name>.process.group
Group as which this instance of fcgiwrap will be run.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/fcgiwrap.nix>

services.fcgiwrap.instances.<name>.process.prefork
Number of processes to prefork.

Type: positive integer, meaning >0

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/fcgiwrap.nix>

services.fcgiwrap.instances.<name>.process.user
User as which this instance of fcgiwrap will be run. Set to ‘null’ (the default) to use a dynamically allocated user.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/fcgiwrap.nix>

services.fcgiwrap.instances.<name>.socket.address
Socket address. In case of a UNIX socket, this should be its filesystem path.

Type: string

Default:

```
"/run/fcgiwrap−‹name›.sock"
```

Example:

```
"1.2.3.4:5678"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/fcgiwrap.nix>

services.fcgiwrap.instances.<name>.socket.group
Group to be set as owner of the UNIX socket.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/fcgiwrap.nix>

services.fcgiwrap.instances.<name>.socket.mode
Mode to be set on the UNIX socket. Defaults to private to the socket's owner.

Type: null or string

Default:

```
if config.socket.type == "unix" then "0600" else null
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/fcgiwrap.nix>

services.fcgiwrap.instances.<name>.socket.type
Socket type: 'unix', 'tcp' or 'tcp6'.

Type: one of "unix", "tcp", "tcp6"

Default:

```
"unix"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/fcgiwrap.nix>

services.fcgiwrap.instances.<name>.socket.user
User to be set as owner of the UNIX socket.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/fcgiwrap.nix>

services.fcron.enable
Whether to enable the **fcron** daemon.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/scheduling/fcron.nix>

services.fcron.allow
Users allowed to use fcrontab and fcrondyn (one name per line, 'all' for everyone).

Type: list of string

Default:

```
[
  "all"
]
```

Declared by:
<nixpkgs/nixos/modules/services/scheduling/fcron.nix>

services.fcron.deny
Users forbidden from using fcron.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/scheduling/fcron.nix>

services.fcron.maxSerialJobs
Maximum number of serial jobs which can run simultaneously.

Type: signed integer

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/scheduling/fcron.nix>

services.fcron.queuelen
Number of jobs the serial queue and the lavg queue can contain.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/scheduling/fcron.nix>

services.fcron.systab
The “system” crontab contents.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/scheduling/fcron.nix>

services.fedimintd
Specification of one or more fedimintd instances.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.enable
Whether to enable fedimintd.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.package
The fedimint package to use.

Type: package

Default:

```
pkgs.fedimint
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.api_iroh.bind
Address to bind on for Iroh endpoint for API connections

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.api_iroh.openFirewall
Opens UDP port in firewall for fedimintd's API Iroh endpoint

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.api_iroh.port
UDP Port to bind Iroh endpoint for API connections

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8174
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.api_ws.bind
Address to bind on for API connections relied by the reverse proxy/tls terminator.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.api_ws.openFirewall

Opens TCP port in firewall for fedimintd's Websocket API

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.api_ws.port

TCP Port to bind on for API connections relayed by the reverse proxy/tls terminator.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8174
```

Declared by:

<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.api_ws.url

Public URL of the API address of the reverse proxy/tls terminator. Usually starting with 'wss://'.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.bitcoin.network

Bitcoin network to participate in.

Type: string

Default:

```
"signet"
```

Example:

```
"bitcoin"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.bitcoin.rpc.kind

Kind of a bitcoin node.

Type: string

Default:

```
"bitcoind"
```

Example:

```
"electrum"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.bitcoin.rpc.secretFile

If set the URL specified in ‘bitcoin.rpc.url’ will get the content of this file added as an URL password, so ‘http://user@example.com’ will turn into ‘http://user:SOMESECRET@example.com’.

Example:

‘/etc/nix−bitcoin−secrets/bitcoin−rpcpassword−public’ (for nix−bitcoin default)

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.bitcoin.rpc.url

Bitcoin node (bitcoind/electrum/esplora) address to connect to

Type: string

Default:

```
"http://127.0.0.1:38332"
```

Example:

```
"signet"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.consensus.finalityDelay

Consensus peg−in finality delay.

Type: unsigned integer, meaning >=0

Default:

```
10
```

Declared by:

<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.dataDir

Path to the data dir fedimintd will use to store its data. Note that due to using the DynamicUser feature of systemd, this value should not be changed and is set to be read only.

Type: absolute path *(read only)*

Default:

```
"/var/lib/fedimintd−‹name›/"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.environment

Extra Environment variables to pass to the fedimintd.

Type: attribute set of string

Default:

```
{
  RUST_BACKTRACE = "1";
}
```

Example:

```
{
  RUST_BACKTRACE = "1";
  RUST_LOG = "info,fm=debug";
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.enable
Whether to configure nginx for fedimintd

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config
Overrides to the nginx vhost section for api

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.enableACME
Whether to ask Let's Encrypt to sign a certificate for this vhost. Alternately, you can use an existing certificate through **useACMEHost**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.acmeFallbackHost
Host which to proxy requests to if ACME challenge is not found. Useful if you want multiple hosts to be able to verify the same domain name.

With this option, you could request certificates for the present domain with an ACME client that is running on another host, which you would specify here.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.acmeRoot
Directory for the ACME challenge, which is **public**. Don't put certs or keys in here. Set to null to inherit from config.security.acme.

Type: null or string

Default:

```
"/var/lib/acme/acme-challenge"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.addSSL
Whether to enable HTTPS in addition to plain HTTP. This will set defaults for 'listen' to listen on all interfaces on the respective default ports (80, 443).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.basicAuth
Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.basicAuthFile
Basic Auth password file for a vhost. Can be created by running **nix-shell --packages apacheHttpd --run 'htpasswd -B -c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.default
Makes this vhost the default.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.extraConfig

These lines go to the end of the vhost verbatim.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.forceSSL

Whether to add a separate nginx server block that redirects (defaults to 301, configurable with 'redirectCode') all plain HTTP traffic to HTTPS. This will set defaults for 'listen' to listen on all interfaces on the respective default ports (80, 443), where the non−SSL listens are used for the redirect vhosts.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.globalRedirect

If set, all requests for this host are redirected (defaults to 301, configurable with 'redirectCode') to the given hostname.

Type: null or string

Default:

```
null
```

Example:

```
"newserver.example.org"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.http2

Whether to enable the HTTP/2 protocol. Note that (as of writing) due to nginx's implementation, to disable HTTP/2 you have to disable it on all vhosts that use a given IP address / port. If there is one server block configured to enable http2, then it is enabled for all server blocks on this IP. See **https://stackoverflow.com/a/39466948/263061**.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.http3

Whether to enable the HTTP/3 protocol. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that HTTP/3 support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/** HTTP/3 availability must be manually advertised, preferably in each location block.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.http3_hq

Whether to enable the HTTP/0.9 protocol negotiation used in QUIC interoperability tests. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that special application protocol support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.kTLS

Whether to enable kTLS support. Implementing TLS in the kernel (kTLS) improves performance by significantly reducing the need for copying operations between user space and the kernel. Required Nginx version 1.21.4 or later.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.listen

Listen addresses and ports for this virtual host. IPv6 addresses must be enclosed in square brackets. Note: this option overrides 'addSSL' and 'onlySSL'.

If you only want to set the addresses manually and not the ports, take a look at 'listenAddresses'.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    addr = "195.154.1.1";
    port = 443;
    ssl = true;
  }
  {
    addr = "192.154.1.1";
    port = 80;
  }
  {
    addr = "unix:/var/run/nginx.sock";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.listen.*.addr
Listen address.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.listen.*.extraParameters
Extra parameters of this listen directive.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "backlog=1024"
  "deferred"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.listen.*.port
Port number to listen on. If unset and the listen address is not a socket then nginx defaults to 80.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.listen.*.proxyProtocol
Enable PROXY protocol.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.listen.*.ssl
Enable SSL.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.listenAddresses

Listen addresses for this virtual host. Compared to ‘listen’ this only sets the addresses and the ports are chosen automatically.

Note: This option overrides ‘networking.enableIPv6’

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "127.0.0.1"
  "[::1]"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.locations

Declarative location config

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "/" = {
    proxyPass = "http://localhost:3000";
  };
};
```

Declared by:

<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.locations.<name>.alias

Alias directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/alias/directory"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.locations.<name>.basicAuth

Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.locations.<name>.basicAuthFile
Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.locations.<name>.extraConfig
These lines go to the end of the location verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.locations.<name>.fastcgiParams
FastCGI parameters to override. Unlike in the Nginx configuration file, overriding only some default parameters won’t unset the default values for other parameters.

Type: attribute set of (string or absolute path)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.locations.<name>.index
Adds index directive.

Type: null or string

Default:

```
null
```

Example:

```
"index.php index.html"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.locations.<name>.priority

Order of this location block in relation to the others in the vhost. The semantics are the same as with ‘lib.mkOrder’. Smaller values have a greater priority.

Type: signed integer

Default:

```
1000
```

Declared by:

<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.locations.<name>.proxyPass

Adds proxy_pass directive and sets recommended proxy headers if recommendedProxySettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"http://www.example.org/"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.locations.<name>.proxyWebsockets

Whether to support proxying websocket connections with HTTP/1.1.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.locations.<name>.recommendedProxySettings

Enable recommended proxy settings.

Type: boolean

Default:

```
config.services.nginx.recommendedProxySettings
```

Declared by:

<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.locations.<name>.recommendedUwsgiSettings

Enable recommended uwsgi settings.

Type: boolean

Default:

```
config.services.nginx.recommendedUwsgiSettings
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.locations.<name>.return
Adds a return directive, for e.g. redirections.

Type: null or string or signed integer

Default:

```
null
```

Example:

```
"301 http://example.com$request_uri"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.locations.<name>.root
Root directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/root/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.locations.<name>.tryFiles
Adds try_files directive.

Type: null or string

Default:

```
null
```

Example:

```
"$uri =404"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.locations.<name>.uwsgiPass
Adds uwsgi_pass directive and sets recommended proxy headers if recommendedUwsgiSettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"unix:/run/example/example.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.onlySSL

Whether to enable HTTPS and reject plain HTTP connections. This will set defaults for 'listen' to listen on all interfaces on port 443.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.quic

Whether to enable the QUIC transport protocol. Note that QUIC support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.redirectCode

HTTP status used by 'globalRedirect' and 'forceSSL'. Possible usecases include temporary (302, 307) redirects, keeping the request method and body (307, 308), or explicitly resetting the method to GET (303). See **https://developer.mozilla.org/en-US/docs/Web/HTTP/Redirections**.

Type: integer between 300 and 399 (both inclusive)

Default:

```
301
```

Example:

```
308
```

Declared by:

<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.rejectSSL

Whether to listen for and reject all HTTPS connections to this vhost. Useful in **default** server blocks to avoid serving the certificate for another vhost. Uses the 'ssl_reject_handshake' directive available in nginx versions 1.19.4 and above.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.reuseport

Create an individual listening socket . It is required to specify only once on one of the hosts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.root
The path of the web root directory.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/data/webserver/docs"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.serverAliases
Additional names of virtual hosts served by this virtual host configuration.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
  "example.org"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.serverName
Name of this virtual host. Defaults to attribute name in virtualHosts.

Type: null or string

Default:

```
null
```

Example:

```
"example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.sslCertificate
Path to server SSL certificate.

Type: absolute path

Example:

```
"/var/host.cert"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.sslCertificateKey
Path to server SSL certificate key.

Type: absolute path

Example:

```
"/var/host.key"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.sslTrustedCertificate
Path to root SSL certificate for stapling and client certificates.

Type: null or absolute path

Default:

```
null
```

Example:

```
"${pkgs.cacert}/etc/ssl/certs/ca-bundle.crt"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.config.useACMEHost
A host of an existing Let's Encrypt certificate to use. This is useful if you have many subdomains and want to avoid hitting the **rate limit**. Alternately, you can generate a certificate through **enableACME**. *Note that this option does not create any certificates, nor it does add subdomains to existing ones – you will need to create them manually using* **security.acme.certs**[2].

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

2. see the **security.acme.certs** option

services.fedimintd.<name>.nginx.fqdn
Public domain of the API address of the reverse proxy/tls terminator.

Type: string

Example:

```
"api.myfedimint.com"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.path_ui
Path to host the built−in UI on and forward to the daemon's api port

Type: string

Default:

```
"/"
```

Example:

```
"/"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.nginx.path_ws
Path to host the API on and forward to the daemon's api port

Type: string

Default:

```
"/ws/"
```

Example:

```
"/"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.p2p.bind
Address to bind on for p2p connections from peers (both TCP and UDP)

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.p2p.openFirewall
Opens port in firewall for fedimintd's p2p port (both TCP and UDP)

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.p2p.port
Port to bind on for p2p connections from peers (both TCP and UDP)

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8173
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.p2p.url
Public address for p2p connections from peers (if TCP is used)

Type: null or string

Default:

```
null
```

Example:

```
"fedimint://p2p.myfedimint.com:8173"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.ui.bind
Address to bind on for UI connections

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.ui.openFirewall
Opens TCP port in firewall for built−in UI

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fedimintd.<name>.ui.port
TCP Port to bind on for UI connections

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8175
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fedimintd.nix>

services.fediwall.enable
Whether to enable fediwall, a social media wall for the fediverse.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.package
The fediwall package to use.

Type: package

Default:

```
pkgs.fediwall
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.hostName

The hostname to serve fediwall on.

Type: string

Default:

```
config.networking.fqdnOrHostName
```

Example:

```
"fediwall.example.org"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx

Allows customizing the nginx virtualHost settings

Type: submodule

Default:

```
{ }
```

Example:

```
{
  serverAliases = [
    "fedi.${config.networking.domain}"
  ];
  # Enable TLS and use let’s encrypt for ACME
  forceSSL = true;
  enableACME = true;
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.enableACME

Whether to ask Let’s Encrypt to sign a certificate for this vhost. Alternately, you can use an existing certificate through **useACMEHost**.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.acmeFallbackHost

Host which to proxy requests to if ACME challenge is not found. Useful if you want multiple hosts to be able to verify the same domain name.

With this option, you could request certificates for the present domain with an ACME client that is running on another host, which you would specify here.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.acmeRoot
Directory for the ACME challenge, which is **public**. Don’t put certs or keys in here. Set to null to inherit from config.security.acme.

Type: null or string

Default:

```
"/var/lib/acme/acme−challenge"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.addSSL
Whether to enable HTTPS in addition to plain HTTP. This will set defaults for ‘listen’ to listen on all interfaces on the respective default ports (80, 443).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.basicAuth
Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.basicAuthFile
Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.default
Makes this vhost the default.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.extraConfig
These lines go to the end of the vhost verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.forceSSL
Whether to add a separate nginx server block that redirects (defaults to 301, configurable with ‘redirectCode’) all plain HTTP traffic to HTTPS. This will set defaults for ‘listen’ to listen on all interfaces on the respective default ports (80, 443), where the non−SSL listens are used for the redirect vhosts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.globalRedirect
If set, all requests for this host are redirected (defaults to 301, configurable with ‘redirectCode’) to the given hostname.

Type: null or string

Default:

```
null
```

Example:

```
"newserver.example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.http2
Whether to enable the HTTP/2 protocol. Note that (as of writing) due to nginx’s implementation, to disable HTTP/2 you have to disable it on all vhosts that use a given IP address / port. If there is one server block configured to enable http2, then it is enabled for all server blocks on this IP. See **https://stackoverflow.com/a/39466948/263061**.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.http3
Whether to enable the HTTP/3 protocol. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that HTTP/3 support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/** HTTP/3 availability must be manually advertised, preferably in each location block.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.http3_hq
Whether to enable the HTTP/0.9 protocol negotiation used in QUIC interoperability tests. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that special application protocol support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.kTLS
Whether to enable kTLS support. Implementing TLS in the kernel (kTLS) improves performance by significantly reducing the need for copying operations between user space and the kernel. Required Nginx version 1.21.4 or later.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.listen
Listen addresses and ports for this virtual host. IPv6 addresses must be enclosed in square brackets. Note: this option overrides 'addSSL' and 'onlySSL'.

If you only want to set the addresses manually and not the ports, take a look at 'listenAddresses'.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    addr = "195.154.1.1";
    port = 443;
    ssl = true;
```

```
  }
  {
    addr = "192.154.1.1";
    port = 80;
  }
  {
    addr = "unix:/var/run/nginx.sock";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.listen.*.addr
Listen address.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.listen.*.extraParameters
Extra parameters of this listen directive.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "backlog=1024"
  "deferred"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.listen.*.port
Port number to listen on. If unset and the listen address is not a socket then nginx defaults to 80.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.listen.*.proxyProtocol
Enable PROXY protocol.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.listen.*.ssl

Enable SSL.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.listenAddresses

Listen addresses for this virtual host. Compared to ‘listen’ this only sets the addresses and the ports are chosen automatically.

Note: This option overrides ‘networking.enableIPv6’

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "127.0.0.1"
  "[::1]"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.locations

Declarative location config

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "/" = {
    proxyPass = "http://localhost:3000";
  };
};
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.locations.<name>.alias

Alias directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/alias/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.locations.<name>.basicAuth
Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.locations.<name>.basicAuthFile
Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.locations.<name>.extraConfig
These lines go to the end of the location verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.locations.<name>.fastcgiParams
FastCGI parameters to override. Unlike in the Nginx configuration file, overriding only some default parameters won’t unset the default values for other parameters.

Type: attribute set of (string or absolute path)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.locations.<name>.index
Adds index directive.

Type: null or string

Default:

```
null
```

Example:

```
"index.php index.html"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.locations.<name>.priority
Order of this location block in relation to the others in the vhost. The semantics are the same as with 'lib.mkOrder'. Smaller values have a greater priority.

Type: signed integer

Default:

```
1000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.locations.<name>.proxyPass
Adds proxy_pass directive and sets recommended proxy headers if recommendedProxySettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"http://www.example.org/"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.locations.<name>.proxyWebsockets
Whether to support proxying websocket connections with HTTP/1.1.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.locations.<name>.recommendedProxySettings
Enable recommended proxy settings.

Type: boolean

Default:

```
config.services.nginx.recommendedProxySettings
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.locations.<name>.recommendedUwsgiSettings
Enable recommended uwsgi settings.

Type: boolean

Default:

```
config.services.nginx.recommendedUwsgiSettings
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.locations.<name>.return
Adds a return directive, for e.g. redirections.

Type: null or string or signed integer

Default:

```
null
```

Example:

```
"301 http://example.com$request_uri"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.locations.<name>.root
Root directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/root/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.locations.<name>.tryFiles
Adds try_files directive.

Type: null or string

Default:

```
null
```

Example:

```
"$uri =404"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.locations.<name>.uwsgiPass
Adds uwsgi_pass directive and sets recommended proxy headers if recommendedUwsgiSettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"unix:/run/example/example.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.onlySSL
Whether to enable HTTPS and reject plain HTTP connections. This will set defaults for 'listen' to listen on all interfaces on port 443.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.quic
Whether to enable the QUIC transport protocol. Note that QUIC support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.redirectCode
HTTP status used by 'globalRedirect' and 'forceSSL'. Possible usecases include temporary (302, 307) redirects, keeping the request method and body (307, 308), or explicitly resetting the method to GET (303). See **https://developer.mozilla.org/en−US/docs/Web/HTTP/Redirections**.

Type: integer between 300 and 399 (both inclusive)

Default:

```
301
```

Example:

```
308
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.rejectSSL
Whether to listen for and reject all HTTPS connections to this vhost. Useful in **default** server blocks to avoid serving the certificate for another vhost. Uses the 'ssl_reject_handshake' directive available in nginx versions 1.19.4 and above.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.reuseport

Create an individual listening socket . It is required to specify only once on one of the hosts.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.root

The path of the web root directory.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/data/webserver/docs"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.serverAliases

Additional names of virtual hosts served by this virtual host configuration.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
  "example.org"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.serverName

Name of this virtual host. Defaults to attribute name in virtualHosts.

Type: null or string

Default:

```
null
```

Example:

```
"example.org"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.sslCertificate

Path to server SSL certificate.

Type: absolute path

Example:

```
"/var/host.cert"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.sslCertificateKey
Path to server SSL certificate key.

Type: absolute path

Example:

```
"/var/host.key"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.sslTrustedCertificate
Path to root SSL certificate for stapling and client certificates.

Type: null or absolute path

Default:

```
null
```

Example:

```
"${pkgs.cacert}/etc/ssl/certs/ca−bundle.crt"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.nginx.useACMEHost
A host of an existing Let's Encrypt certificate to use. This is useful if you have many subdomains and want to avoid hitting the **rate limit**. Alternately, you can generate a certificate through **enableACME**. *Note that this option does not create any certificates, nor it does add subdomains to existing ones – you will need to create them manually using* **security.acme.certs**[2].

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

2. see the **security.acme.certs** option

services.fediwall.settings
Fediwall configuration. See https://github.com/defnull/fediwall/blob/main/public/wall−config.json.example for information on supported values.

Type: open submodule of (JSON value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.settings.hideBoosts
Hide boosts

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.settings.hideBots
Hide posts from bot accounts

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.settings.hideReplies
Hide replies

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.settings.hideSensitive
Hide sensitive (potentially NSFW) posts

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.settings.loadFederated
Load federated posts

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.settings.loadPublic
Load public posts

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.settings.loadTrends
Load trending posts

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.settings.playVideos
Autoplay videos in posts

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.settings.servers
Servers to load posts from

Type: list of string

Default:

```
[
  "mastodon.social"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.settings.showMedia
Show media in posts

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.fediwall.settings.tags
Tags to follow

Type: list of string

Default:

```
[ ]
```

Example:

```
[ "cats" "dogs"]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fediwall.nix>

services.felix.enable
Whether to enable the Apache Felix OSGi service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/felix.nix>

services.felix.bundles
List of bundles that should be activated on startup

Type: list of package

Default:

```
[ pkgs.felix_remoteshell ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/felix.nix>

services.felix.group
Group account under which Apache Felix runs.

Type: string

Default:

```
"osgi"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/felix.nix>

services.felix.user
User account under which Apache Felix runs.

Type: string

Default:

```
"osgi"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/felix.nix>

services.ferm.enable
Whether to enable Ferm Firewall. *Warning*: Enabling this service WILL disable the existing NixOS firewall! Default firewall rules provided by packages are not considered at the moment.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ferm.nix>

services.ferm.package
The ferm package to use.

Type: package

Default:

```
pkgs.ferm
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ferm.nix>

services.ferm.config
Verbatim ferm.conf configuration.

Type: strings concatenated with "\n"

Default: empty firewall, allows any traffic

Declared by:
<nixpkgs/nixos/modules/services/networking/ferm.nix>

services.ferretdb.enable
Whether to enable FerretDB, an Open Source MongoDB alternative.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/databases/ferretdb.nix>

services.ferretdb.package
The ferretdb package to use.

Type: package

Default:

```
pkgs.ferretdb
```

Declared by:
<nixpkgs/nixos/modules/services/databases/ferretdb.nix>

services.ferretdb.settings
Additional configuration for FerretDB, see **https://docs.ferretdb.io/configuration/flags/** for supported values.

Type: open submodule of attribute set of string

Example:

```
{
  FERRETDB_LOG_LEVEL = "warn";
  FERRETDB_MODE = "normal";
}
```

Declared by:
<nixpkgs/nixos/modules/services/databases/ferretdb.nix>

services.ferretdb.settings.FERRETDB_HANDLER
Backend handler

Type: one of “sqlite”, “pg”

Default:

```
"sqlite"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/ferretdb.nix>

services.ferretdb.settings.FERRETDB_POSTGRESQL_URL
PostgreSQL URL for ‘pg’ handler

Type: string

Default:

```
"postgres://ferretdb@localhost/ferretdb?host=/run/postgresql"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/ferretdb.nix>

services.ferretdb.settings.FERRETDB_SQLITE_URL
SQLite URI (directory) for ‘sqlite’ handler

Type: string

Default:

```
"file:/var/lib/ferretdb/"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/ferretdb.nix>

services.ferretdb.settings.FERRETDB_TELEMETRY
Enable or disable basic telemetry.

See **https://docs.ferretdb.io/telemetry/** for more information.

Type: one of “enable”, “disable”

Default:

```
"disable"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/ferretdb.nix>

services.fider.enable
Whether to enable the Fider server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fider.nix>

services.fider.package

The fider package to use.

Type: package

Default:

```
pkgs.fider
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/fider.nix>

services.fider.dataDir

Default data folder for Fider.

Type: string

Default:

```
"/var/lib/fider"
```

Example:

```
"/mnt/fider"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/fider.nix>

services.fider.database.url

URI to use for the main PostgreSQL database. If this needs to include credentials that shouldn't be world−readable in the Nix store, set an environment file on the systemd service and override the 'DATABASE_URL' entry. Pass the string 'local' to setup a database on the local server.

Type: string

Default:

```
"local"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/fider.nix>

services.fider.environment

Environment variables to set for the service. Secrets should be specified using **environmentFiles**. Refer to **https://github.com/getfider/fider/blob/stable/.example.env** and **https://github.com/getfider/fider/blob/stable/app/pkg/env/env.go** for available options.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  BASE_URL = "https://fider.example.com";
  BLOB_STORAGE = "fs";
  EMAIL = "smtp";
  EMAIL_NOREPLY = "fider@example.com";
  EMAIL_SMTP_HOST = "mail.example.com";
  EMAIL_SMTP_PORT = "587";
  EMAIL_SMTP_USERNAME = "fider@example.com";
  PORT = "31213";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fider.nix>

services.fider.environmentFiles
Files to load environment variables from. Loaded variables override values set in **environment**.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
"/run/secrets/fider.env"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fider.nix>

services.filebeat.enable
Whether to enable filebeat.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/logging/filebeat.nix>

services.filebeat.package
The filebeat package to use.

Type: package

Default:

```
pkgs.filebeat
```

Example:

```
filebeat7
```

Declared by:
<nixpkgs/nixos/modules/services/logging/filebeat.nix>

services.filebeat.inputs
Inputs specify how Filebeat locates and processes input data.

This is like ‘services.filebeat.settings.filebeat.inputs’, but structured as an attribute set. This has the benefit that multiple NixOS modules can contribute settings to a single filebeat input.

An input type can be specified multiple times by choosing a different ‘<name>’ for each, but setting **services.filebeat.inputs.<name>.type** to the same value.

See **https://www.elastic.co/guide/en/beats/filebeat/current/configuration−filebeat−options.html**.

Type: attribute set of (open submodule of (JSON value))

Default:

```
{ }
```

Example:

```
{
```

```
    journald.id = "everything";  # Only for filebeat7
    log = {
      enabled = true;
      paths = [
        "/var/log/*.log"
      ];
    };
  };
```

Declared by:
<nixpkgs/nixos/modules/services/logging/filebeat.nix>

services.filebeat.inputs.<name>.type
The input type.

Look for the value after 'type:' on the individual input pages linked from **https://www.elastic.co/guide/en/beats/filebeat/current/configuration−filebeat−options.html**.

Type: string

Default:

```
"‹name›"
```

Declared by:
<nixpkgs/nixos/modules/services/logging/filebeat.nix>

services.filebeat.modules
Filebeat modules provide a quick way to get started processing common log formats. They contain default configurations, Elasticsearch ingest pipeline definitions, and Kibana dashboards to help you implement and deploy a log monitoring solution.

This is like 'services.filebeat.settings.filebeat.modules', but structured as an attribute set. This has the benefit that multiple NixOS modules can contribute settings to a single filebeat module.

A module can be specified multiple times by choosing a different '<name>' for each, but setting **services.filebeat.modules.<name>.module** to the same value.

See **https://www.elastic.co/guide/en/beats/filebeat/current/filebeat−modules.html**.

Type: attribute set of (open submodule of (JSON value))

Default:

```
{ }
```

Example:

```
{
  nginx = {
    access = {
      enabled = true;
      var.paths = [ "/path/to/log/nginx/access.log*" ];
    };
    error = {
      enabled = true;
      var.paths = [ "/path/to/log/nginx/error.log*" ];
    };
  };
};
```

Declared by:
<nixpkgs/nixos/modules/services/logging/filebeat.nix>

services.filebeat.modules.<name>.module
The name of the module.

Look for the value after 'module:' on the individual input pages linked from **https://www.elastic.co/guide/en/beats/filebeat/current/filebeat-modules.html**.

Type: string

Default:

```
"‹name›"
```

Declared by:
<nixpkgs/nixos/modules/services/logging/filebeat.nix>

services.filebeat.settings
Configuration for filebeat. See **https://www.elastic.co/guide/en/beats/filebeat/current/filebeat-reference-yml.html** for supported values.

Options containing secret data should be set to an attribute set containing the attribute '_secret' − a string pointing to a file containing the value the option should be set to. See the example to get a better picture of this: in the resulting *filebeat.yml* file, the 'output.elasticsearch.password' key will be set to the contents of the */var/keys/elasticsearch_password* file.

Type: open submodule of (JSON value)

Default:

```
{ }
```

Example:

```
{
  settings = {
    output.elasticsearch = {
      hosts = [ "myEShost:9200" ];
      username = "filebeat_internal";
      password = { _secret = "/var/keys/elasticsearch_password"; };
    };
    logging.level = "info";
  };
};
```

Declared by:
<nixpkgs/nixos/modules/services/logging/filebeat.nix>

services.filebeat.settings.output.elasticsearch.hosts
The list of Elasticsearch nodes to connect to.

The events are distributed to these nodes in round robin order. If one node becomes unreachable, the event is automatically sent to another node. Each Elasticsearch node can be defined as a URL or IP:PORT. For example: 'http://192.15.3.2', 'https://es.found.io:9230' or '192.24.3.2:9300'. If no port is specified, '9200' is used.

Type: list of string

Default:

```
[
  "127.0.0.1:9200"
]
```

Example:

```
[
  "myEShost:9200"
]
```

Declared by:
<nixpkgs/nixos/modules/services/logging/filebeat.nix>

services.filebrowser.enable
Whether to enable FileBrowser.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/filebrowser.nix>

services.filebrowser.package
The filebrowser package to use.

Type: package

Default:

```
pkgs.filebrowser
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/filebrowser.nix>

services.filebrowser.group
Group under which FileBrowser runs.

Type: string

Default:

```
"filebrowser"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/filebrowser.nix>

services.filebrowser.openFirewall
Whether to enable opening firewall ports for FileBrowser.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/filebrowser.nix>

services.filebrowser.settings

Settings for FileBrowser. Refer to **https://filebrowser.org/cli/filebrowser#options** for all supported values.

Type: open submodule of (JSON value)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/filebrowser.nix>

services.filebrowser.settings.address

The address to listen on.

Type: string

Default:

```
"localhost"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/filebrowser.nix>

services.filebrowser.settings.cache−dir

The directory where FileBrowser stores its cache.

Type: absolute path *(read only)*

Default:

```
"/var/cache/filebrowser"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/filebrowser.nix>

services.filebrowser.settings.database

The path to FileBrowser's Bolt database.

Type: absolute path

Default:

```
"/var/lib/filebrowser/database.db"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/filebrowser.nix>

services.filebrowser.settings.port

The port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/filebrowser.nix>

services.filebrowser.settings.root

The directory where FileBrowser stores files.

Type: absolute path

Default:

```
"/var/lib/filebrowser/data"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/filebrowser.nix>

services.filebrowser.user
User account under which FileBrowser runs.

Type: string

Default:

```
"filebrowser"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/filebrowser.nix>

services.firebird.enable
Whether to enable the Firebird super server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/databases/firebird.nix>

services.firebird.package
The firebird package to use. For SuperServer use override: ‘pkgs.firebird_3.override { superServer = true; };’

Type: package

Default:

```
pkgs.firebird
```

Example:

```
firebird_3
```

Declared by:
<nixpkgs/nixos/modules/services/databases/firebird.nix>

services.firebird.baseDir
Location containing data/ and system/ directories. data/ stores the databases, system/ stores the password database security2.fdb.

Type: string

Default:

```
"/var/lib/firebird"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/firebird.nix>

services.firebird.port
Port Firebird uses.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3050
```

Declared by:
<nixpkgs/nixos/modules/services/databases/firebird.nix>

services.firebird.user
User account under which firebird runs.

Type: string

Default:

```
"firebird"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/firebird.nix>

services.firefly−iii.enable
Whether to enable Firefly III: A free and open source personal finance manager.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/firefly−iii.nix>

services.firefly−iii.enableNginx
Whether to enable nginx or not. If enabled, an nginx virtual host will be created for access to firefly−iii. If not enabled, then you may use '${config.services.firefly−iii.package}' as your document root in whichever webserver you wish to setup.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/firefly−iii.nix>

services.firefly−iii.package
The firefly−iii package to use.

Type: package

Default:

```
pkgs.firefly-iii
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/firefly−iii.nix>

services.firefly−iii.dataDir
The place where firefly−iii stores its state.

Type: absolute path

Default:

```
"/var/lib/firefly-iii"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/firefly−iii.nix>

services.firefly−iii.group
Group under which firefly−iii runs. It is best to set this to the group of whatever webserver is being used as the frontend.

Type: string

Default:

```
"If ‘services.firefly−iii.enableNginx‘ is true then ‘nginx‘ else f \
irefly−iii"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/firefly−iii.nix>

services.firefly−iii.poolConfig
Options for the Firefly III PHP pool. See the documentation on <literal>php−fpm.conf</literal> for details on configuration directives.

Type: attribute set of (string or signed integer or boolean)

Default:

```
{
  "pm" = "dynamic";
  "pm.max_children" = 32;
  "pm.start_servers" = 2;
  "pm.min_spare_servers" = 2;
  "pm.max_spare_servers" = 4;
  "pm.max_requests" = 500;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/firefly−iii.nix>

services.firefly−iii.settings
Options for firefly−iii configuration. Refer to **https://github.com/firefly−iii/firefly−iii/blob/main/.env.example** for details on supported values. All <option>_FILE values supported by upstream are supported here.

APP_URL will be the same as ‘services.firefly−iii.virtualHost’ if the former is unset in ‘services.firefly−iii.settings’.

Type: open submodule of attribute set of (string or signed integer or boolean)

Default:

```
{ }
```

Example:

```
{
  APP_ENV = "production";
  APP_KEY_FILE = "/var/secrets/firefly−iii−app−key.txt";
  SITE_OWNER = "mail@example.com";
  DB_CONNECTION = "mysql";
  DB_HOST = "db";
  DB_PORT = 3306;
  DB_DATABASE = "firefly";
  DB_USERNAME = "firefly";
  DB_PASSWORD_FILE = "/var/secrets/firefly−iii−mysql−password.tx \
```

```
t";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/firefly−iii.nix>

services.firefly−iii.settings.APP_ENV
The app environment. It is recommended to keep this at “local”. Possible values are “local”, “production” and “testing”

Type: one of “local”, “production”, “testing”

Default:

```
"local"
```

Example:

```
"production"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/firefly−iii.nix>

services.firefly−iii.settings.APP_KEY_FILE
The path to your appkey. The file should contain a 32 character random app key. This may be set using ‘echo "base64:$(head −c 32 /dev/urandom | base64)" > /path/to/key−file’.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/web−apps/firefly−iii.nix>

services.firefly−iii.settings.APP_URL
The APP_URL used by firefly−iii internally. Please make sure this URL matches the external URL of your Firefly III installation. It is used to validate specific requests and to generate URLs in emails.

Type: string

Default:

```
http(s)://''${config.services.firefly−iii.virtualHost}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/firefly−iii.nix>

services.firefly−iii.settings.DB_CONNECTION
The type of database you wish to use. Can be one of “sqlite”, “mysql” or “pgsql”.

Type: one of “sqlite”, “pgsql”, “mysql”

Default:

```
"sqlite"
```

Example:

```
"pgsql"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/firefly−iii.nix>

services.firefly−iii.settings.DB_HOST
The machine which hosts your database. This is left at the default value for “mysql” because we use the “DB_SOCKET” option to connect to a unix socket instead. “pgsql” requires that the unix socket location be specified here instead of at “DB_SOCKET”. This option does not affect “sqlite”.

Type: string

Default:

```
  "localhost" if DB_CONNECTION is "sqlite" or "mysql", "/run/postgr \
esql" if "pgsql".
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/firefly−iii.nix>

services.firefly−iii.settings.DB_PORT
The port your database is listening at. sqlite does not require this value to be filled.

Type: null or signed integer

Default:

```
 ‘null‘ if DB_CONNECTION is "sqlite", ‘3306‘ if "mysql", ‘5432‘ if \
"pgsql"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/firefly−iii.nix>

services.firefly−iii.user
User account under which firefly−iii runs.

Type: string

Default:

```
"firefly−iii"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/firefly−iii.nix>

services.firefly−iii.virtualHost
The hostname at which you wish firefly−iii to be served. If you have enabled nginx using ‘services.firefly−iii.enableNginx’ then this will be used.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/firefly−iii.nix>

services.firefly−iii−data−importer.enable
Whether to enable Firefly III Data Importer.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/firefly−iii−data−importer.nix>

services.firefly−iii−data−importer.enableNginx
Whether to enable nginx or not. If enabled, an nginx virtual host will be created for access to firefly−iii data importer. If not enabled, then you may use ‘${config.services.firefly−iii−data−importer.package}’ as your document root in whichever webserver you wish to setup.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/firefly−iii−data−importer.nix>

services.firefly−iii−data−importer.package
The firefly−iii−data−importer package served by php−fpm and the webserver of choice. This option can be used to point the webserver to the correct root. It may also be used to set the package to a different version, say a development version.

Type: package

Default:

```
pkgs.firefly−iii−data−importer
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/firefly−iii−data−importer.nix>

services.firefly−iii−data−importer.dataDir
The place where firefly−iii data importer stores its state.

Type: absolute path

Default:

```
"/var/lib/firefly−iii−data−importer"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/firefly−iii−data−importer.nix>

services.firefly−iii−data−importer.group
Group under which firefly−iii−data−importer runs. It is best to set this to the group of whatever webserver is being used as the frontend.

Type: string

Default:

```
"If ‘services.firefly−iii−data−importer.enableNginx‘ is true the \
n ‘nginx‘ else firefly−iii−data−importer"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/firefly−iii−data−importer.nix>

services.firefly−iii−data−importer.poolConfig
Options for the Firefly III Data Importer PHP pool. See the documentation on <literal>php−fpm.conf</literal> for details on configuration directives.

Type: attribute set of (string or signed integer or boolean)

Default:

```
{
  "pm" = "dynamic";
  "pm.max_children" = 32;
  "pm.start_servers" = 2;
  "pm.min_spare_servers" = 2;
  "pm.max_spare_servers" = 4;
  "pm.max_requests" = 500;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/firefly−iii−data−importer.nix>

services.firefly−iii−data−importer.settings

Options for firefly−iii data importer configuration. Refer to **https://github.com/firefly−iii/data−importer/blob/main/.env.example** for details on supported values. All <option>_FILE values supported by upstream are supported here.

APP_URL will be the same as ‘services.firefly−iii−data−importer.virtualHost’ if the former is unset in ‘services.firefly−iii−data−importer.settings’.

Type: open submodule of attribute set of (string or signed integer or boolean)

Default:

```
{ }
```

Example:

```
{
  APP_ENV = "local";
  LOG_CHANNEL = "syslog";
  FIREFLY_III_ACCESS_TOKEN= = "/var/secrets/firefly−iii−access−t \
oken.txt";
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/firefly−iii−data−importer.nix>

services.firefly−iii−data−importer.user

User account under which firefly−iii−data−importer runs.

Type: string

Default:

```
"firefly−iii−data−importer"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/firefly−iii−data−importer.nix>

services.firefly−iii−data−importer.virtualHost

The hostname at which you wish firefly−iii−data−importer to be served. If you have enabled nginx using ‘services.firefly−iii−data−importer.enableNginx’ then this will be used.

Type: string

Default:

```
"localhost"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/firefly−iii−data−importer.nix>

services.firefox−syncserver.enable

Whether to enable the Firefox Sync storage service.

Out of the box this will not be very useful unless you also configure at least one service and one nodes by inserting them into the mysql database manually, e.g. by running

```
  INSERT INTO ‘services‘ (‘id‘, ‘service‘, ‘pattern‘) VALUES (’1’,  \
’sync−1.5’, ’{node}/1.5/{uid}’);
  INSERT INTO ‘nodes‘ (‘id‘, ‘service‘, ‘node‘, ‘available‘, ‘curre \
nt_load‘,
      ‘capacity‘, ‘downed‘, ‘backoff‘)
    VALUES (’1’, ’1’, ’https://mydomain.tld’, ’1’, ’0’, ’10’, ’0’,  \
’0’);
```

services.firefox−syncserver.singleNode.enable does this automatically when enabled .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firefox−syncserver.nix>

services.firefox−syncserver.package
The syncstorage−rs package to use.

Type: package

Default:

```
pkgs.syncstorage−rs
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firefox−syncserver.nix>

services.firefox−syncserver.database.createLocally
Whether to create database and user on the local machine if they do not exist. This includes enabling unix domain socket authentication for the configured user.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firefox−syncserver.nix>

services.firefox−syncserver.database.host
Database host name. ‘localhost’ is treated specially and inserts systemd dependencies, other hostnames or IP addresses of the local machine do not.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firefox−syncserver.nix>

services.firefox−syncserver.database.name
Database to use for storage. Will be created automatically if it does not exist and ‘config.services.firefox−syncserver.database.createLocally’ is set.

Type: string matching the pattern [a−z_][a−z0−9_]*

Default:

```
"firefox_syncserver"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firefox−syncserver.nix>

services.firefox−syncserver.database.user

Username for database connections.

Type: string

Default:

```
"firefox-syncserver"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firefox−syncserver.nix>

services.firefox−syncserver.logLevel

Log level to run with. This can be a simple log level like ‘error’ or ‘trace’, or a more complicated logging expression.

Type: string

Default:

```
"error"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firefox−syncserver.nix>

services.firefox−syncserver.secrets

A file containing the various secrets. Should be in the format expected by systemd’s ‘EnvironmentFile’ directory. Two secrets are currently available: ‘SYNC_MASTER_SECRET’ and ‘SYNC_TOKENSERVER__FXA_METRICS_HASH_SECRET’.

Type: absolute path

Declared by:

<nixpkgs/nixos/modules/services/networking/firefox−syncserver.nix>

services.firefox−syncserver.settings

Settings for the sync server. These take priority over values computed from NixOS options.

See the example config in **https://github.com/mozilla−services/syncstorage−rs/blob/master/config/local.example.toml** and the doc comments on the ‘Settings’ structs in **https://github.com/mozilla−services/syncstorage−rs/blob/master/syncstorage−settings/src/lib.rs** and **https://github.com/mozilla−services/syncstorage−rs/blob/master/tokenserver−settings/src/lib.rs** for available options.

Type: open submodule of (TOML value)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firefox−syncserver.nix>

services.firefox−syncserver.settings.port

Port to bind to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5000
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firefox−syncserver.nix>

services.firefox−syncserver.settings.tokenserver.enabled
Whether to enable the token service as well.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firefox−syncserver.nix>

services.firefox−syncserver.singleNode.enable
Whether to enable auto−configuration for a simple single−node setup.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firefox−syncserver.nix>

services.firefox−syncserver.singleNode.enableNginx
Whether to enable nginx virtualhost definitions.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firefox−syncserver.nix>

services.firefox−syncserver.singleNode.enableTLS
Whether to enable automatic TLS setup.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firefox−syncserver.nix>

services.firefox−syncserver.singleNode.capacity
How many sync accounts are allowed on this server. Setting this value equal to or less than the number of currently active accounts will effectively deny service to accounts not yet registered here.

Type: unsigned integer, meaning >=0

Default:

```
10
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firefox−syncserver.nix>

services.firefox−syncserver.singleNode.hostname
Host name to use for this service.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/firefox−syncserver.nix>

services.firefox−syncserver.singleNode.url
URL of the host. If you are not using the automatic webserver proxy setup you will have to change this setting or your sync server may not be functional.

Type: string

Default:

```
${if cfg.singleNode.enableTLS then "https" else "http"}://${config. \
services.firefox−syncserver.singleNode.hostname}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firefox−syncserver.nix>

services.fireqos.enable
Whether to enable FireQOS.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fireqos.nix>

services.fireqos.config
The FireQOS configuration.

Type: strings concatenated with “\n”

Example:

```
interface wlp3s0 world−in input rate 10mbit ethernet
  class web commit 50kbit
    match tcp ports 80,443

interface wlp3s0 world−out input rate 10mbit ethernet
  class web commit 50kbit
    match tcp ports 80,443
```

Declared by:
<nixpkgs/nixos/modules/services/networking/fireqos.nix>

services.firewalld.enable
Whether to enable FirewallD.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewalld>

services.firewalld.package
The firewalld package to use.

Type: package

Default:

```
pkgs.firewalld
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewalld>

services.firewalld.packages
Packages providing firewalld zones and other files. Files found in '/lib/firewalld' will be included.

Type: list of package

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewalld>

services.firewalld.extraArgs
Extra arguments to pass to FirewallD.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--debug"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewalld>

services.firewalld.services
firewalld service configuration files. See **firewalld.service**(5).

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewalld/service.nix>

services.firewalld.services.<name>.description
Description for the service.

Type: null or non−empty string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewalld/service.nix>

services.firewalld.services.<name>.destination
Destinations for the service.

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewalld/service.nix>

services.firewalld.services.<name>.destination.ipv4
IPv4 destination.

Type: null or string matching the pattern ([0−9]{1,3}\.){3}[0−9]{1,3}(/[0−9]{1,2})?

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewalld/service.nix>

services.firewalld.services.<name>.destination.ipv6
IPv6 destination.

Type: null or string matching the pattern [0−9A−Fa−f:]{3,39}(/[0−9]{1,3})?

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewalld/service.nix>

services.firewalld.services.<name>.helpers
Helpers for the service.

Type: list of non−empty string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewalld/service.nix>

services.firewalld.services.<name>.includes
Services to include for the service.

Type: list of non−empty string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewalld/service.nix>

services.firewalld.services.<name>.ports
Ports of the service.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewalld/service.nix>

services.firewalld.services.<name>.ports.*.port
Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive) or (submodule)

Declared by:
<nixpkgs/nixos/modules/services/networking/firewalld/service.nix>

services.firewalld.services.<name>.ports.*.protocol
Type: one of “tcp”, “udp”, “sctp”, “dccp”

Declared by:
<nixpkgs/nixos/modules/services/networking/firewalld/service.nix>

services.firewalld.services.<name>.protocols
Protocols for the service.

Type: list of non−empty string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewalld/service.nix>

services.firewalld.services.<name>.short
Short description for the service.

Type: null or non−empty string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewalld/service.nix>

services.firewalld.services.<name>.sourcePorts
Source ports for the service.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewalld/service.nix>

services.firewalld.services.<name>.sourcePorts.*.port
Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive) or (submodule)

Declared by:
<nixpkgs/nixos/modules/services/networking/firewalld/service.nix>

services.firewalld.services.<name>.sourcePorts.*.protocol
Type: one of “tcp”, “udp”, “sctp”, “dccp”

Declared by:
<nixpkgs/nixos/modules/services/networking/firewalld/service.nix>

services.firewalld.services.<name>.version

Version of the service.

Type: null or non−empty string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firewalld/service.nix>

services.firewalld.settings

FirewallD config file. See **firewalld.conf**(5).

Type: open submodule of attribute set of (boolean or non−empty string)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firewalld/settings.nix>

services.firewalld.settings.CleanupModulesOnExit

Whether to unload all firewall−related kernel modules when firewalld stops.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firewalld/settings.nix>

services.firewalld.settings.CleanupOnExit

Whether to clean up firewall rules when firewalld stops.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firewalld/settings.nix>

services.firewalld.settings.DefaultZone

Default zone for connections.

Type: non−empty string

Default:

```
"public"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firewalld/settings.nix>

services.firewalld.settings.FirewallBackend

The firewall backend implementation. This applies to all firewalld primitives. The only exception is direct and passthrough rules which always use the traditional iptables, ip6tables, and ebtables backends.

Caution
The iptables backend is deprecated. It will be removed in a future release.

Type: one of “nftables”, “iptables”

Default:

```
"nftables"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewalld/settings.nix>

services.firewalld.settings.FlushAllOnReload
Whether to flush all runtime rules on a reload.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewalld/settings.nix>

services.firewalld.settings.IPv6_rpfilter
Performs reverse path filtering (RPF) on IPv6 packets as per RFC 3704.

Possible values:

‘"strict"’
: Performs “strict” filtering as per RFC 3704. This check verifies that the in ingress interface is the same interface that would be used to send a packet reply to the source. That is, ‘ingress == egress’.

‘"loose"’
: Performs “loose” filtering as per RFC 3704. This check only verifies that there is a route back to the source through any interface; even if it’s not the same one on which the packet arrived.

‘"strict−forward"’
: This is almost identical to “strict”, but does not perform RPF for packets targeted to the host (INPUT).

‘"loose−forward"’
: This is almost identical to “loose”, but does not perform RPF for packets targeted to the host (INPUT).

‘"no"’
: RPF is completely disabled.

The rp_filter for IPv4 is controlled using sysctl.

Type: one of “strict”, “loose”, “strict−forward”, “loose−forward”, “no”

Default:

```
"strict"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewalld/settings.nix>

services.firewalld.settings.IndividualCalls
Whether to use individual −restore calls to apply changes to the firewall. The use of individual calls increases the time that is needed to apply changes and to start the daemon, but is good for debugging as error messages are more specific.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewalld/settings.nix>

services.firewalld.settings.LogDenied
Add logging rules right before reject and drop rules in the INPUT, FORWARD and OUTPUT chains for the default rules and also final reject and drop rules in zones for the configured link−layer packet type.

Type: one of “all”, “unicast”, “broadcast”, “multicast”, “off”

Default:

```
"off"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewalld/settings.nix>

services.firewalld.settings.NftablesCounters
Whether to add a counter to every nftables rule.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewalld/settings.nix>

services.firewalld.settings.NftablesFlowtable
This may improve forwarded traffic throughput by enabling nftables flowtable. It is a software fastpath and avoids calling nftables rule evaluation for data packets. Its value is a space separate list of interfaces.

Type: strings concatenated with " "

Default:

```
"off"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewalld/settings.nix>

services.firewalld.settings.NftablesTableOwner
If enabled, the generated nftables rule set will be owned exclusively by firewalld. This prevents other entities from mistakenly (or maliciously) modifying firewalld’s rule set. If you intend to modify firewalld’s rules, set this to ‘false’.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewalld/settings.nix>

services.firewalld.settings.RFC3964_IPv4
Whether to filter IPv6 traffic with 6to4 destination addresses that correspond to IPv4 addresses that should not be routed over the public internet.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewalld/settings.nix>

services.firewalld.settings.ReloadPolicy
The policy during reload.

Type: one of “DROP”, “REJECT”, “ACCEPT” or strings concatenated with “,”

Default:

```
"INPUT:DROP,FORWARD:DROP,OUTPUT:DROP"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewalld/settings.nix>

services.firewalld.settings.StrictForwardPorts
If enabled, the generated destination NAT (DNAT) rules will NOT accept traffic that was DNAT’d by other entities, e.g. docker. Firewalld will be strict and not allow published container ports until they’re explicitly allowed via firewalld. If set to ‘false’, then docker (and podman) integrates seamlessly with firewalld. Published container ports are implicitly allowed.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewalld/settings.nix>

services.firewalld.zones
firewalld zone configuration files. See **firewalld.zone**(5).

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  dmz = {
    forward = true;
    services = [
      "ssh"
    ];
  };
  external = {
    forward = true;
    masquerade = true;
    services = [
      "ssh"
    ];
  };
  home = {
    forward = true;
    services = [
      "ssh"
      "mdns"
      "samba-client"
      "dhcpv6-client"
    ];
```

```
    };
    internal = {
      forward = true;
      services = [
        "ssh"
        "mdns"
        "samba-client"
        "dhcpv6-client"
      ];
    };
    public = {
      forward = true;
      services = [
        "ssh"
        "dhcpv6-client"
      ];
    };
    work = {
      forward = true;
      services = [
        "ssh"
        "dhcpv6-client"
      ];
    };
  }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewalld/zone.nix>

services.firewalld.zones.<name>.description

Description for the zone.

Type: null or non−empty string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewalld/zone.nix>

services.firewalld.zones.<name>.egressPriority

Priority for outbound traffic. Lower values have higher priority.

Type: null or 16 bit signed integer; between −32768 and 32767 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewalld/zone.nix>

services.firewalld.zones.<name>.forward

Whether to enable intra−zone forwarding. When enabled, packets will be forwarded between interfaces or sources within a zone, even if the zone's target is not set to ACCEPT.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewalld/zone.nix>

services.firewalld.zones.<name>.forwardPorts
Ports to forward in the zone.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewalld/zone.nix>

services.firewalld.zones.<name>.forwardPorts.*.port
Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive) or (submodule)

Declared by:
<nixpkgs/nixos/modules/services/networking/firewalld/zone.nix>

services.firewalld.zones.<name>.forwardPorts.*.protocol
Type: one of “tcp”, “udp”, “sctp”, “dccp”

Declared by:
<nixpkgs/nixos/modules/services/networking/firewalld/zone.nix>

services.firewalld.zones.<name>.forwardPorts.*.to−addr
Destination IP address.

Type: null or non−empty string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewalld/zone.nix>

services.firewalld.zones.<name>.forwardPorts.*.to−port
Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive) or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewalld/zone.nix>

services.firewalld.zones.<name>.icmpBlockInversion
Whether to invert the icmp block handling. Only enabled ICMP types are accepted and all others are rejected in the zone.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firewalld/zone.nix>

services.firewalld.zones.<name>.icmpBlocks

ICMP types to block in the zone.

Type: list of non−empty string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firewalld/zone.nix>

services.firewalld.zones.<name>.ingressPriority

Priority for inbound traffic. Lower values have higher priority.

Type: null or 16 bit signed integer; between −32768 and 32767 (both inclusive)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firewalld/zone.nix>

services.firewalld.zones.<name>.interfaces

Interfaces to bind.

Type: list of non−empty string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firewalld/zone.nix>

services.firewalld.zones.<name>.masquerade

Whether to enable masquerading in the zone.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firewalld/zone.nix>

services.firewalld.zones.<name>.ports

Ports to allow in the zone.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firewalld/zone.nix>

services.firewalld.zones.<name>.ports.*.port

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive) or (submodule)

Declared by:

<nixpkgs/nixos/modules/services/networking/firewalld/zone.nix>

services.firewalld.zones.<name>.ports.*.protocol

Type: one of “tcp”, “udp”, “sctp”, “dccp”

Declared by:

<nixpkgs/nixos/modules/services/networking/firewalld/zone.nix>

services.firewalld.zones.<name>.protocols

Protocols to allow in the zone.

Type: list of non−empty string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firewalld/zone.nix>

services.firewalld.zones.<name>.rules

Rich rules for the zone.

Type: list of (XML value)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firewalld/zone.nix>

services.firewalld.zones.<name>.services

Services to allow in the zone.

Type: list of non−empty string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firewalld/zone.nix>

services.firewalld.zones.<name>.short

Short description for the zone.

Type: null or non−empty string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firewalld/zone.nix>

services.firewalld.zones.<name>.sourcePorts

Source ports to allow in the zone.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firewalld/zone.nix>

services.firewalld.zones.<name>.sourcePorts.*.port

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive) or (submodule)

Declared by:

<nixpkgs/nixos/modules/services/networking/firewalld/zone.nix>

services.firewalld.zones.<name>.sourcePorts.*.protocol

Type: one of “tcp”, “udp”, “sctp”, “dccp”

Declared by:

<nixpkgs/nixos/modules/services/networking/firewalld/zone.nix>

services.firewalld.zones.<name>.sources

Source addresses, address ranges, MAC addresses or ipsets to bind.

Type: list of attribute−tagged union with choices: address, ipset, mac

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firewalld/zone.nix>

services.firewalld.zones.<name>.sources.*.address

An IP address or a network IP address with a mask for IPv4 or IPv6. For IPv4, the mask can be a network mask or a plain number. For IPv6 the mask is a plain number. The use of host names is not supported.

Type: non−empty string

Declared by:

<nixpkgs/nixos/modules/services/networking/firewalld/zone.nix>

services.firewalld.zones.<name>.sources.*.ipset

An ipset.

Type: non−empty string

Declared by:

<nixpkgs/nixos/modules/services/networking/firewalld/zone.nix>

services.firewalld.zones.<name>.sources.*.mac

A MAC address.

Type: string matching the pattern ([[:xdigit:]]{2}:){5}[[:xdigit:]]{2}

Declared by:

<nixpkgs/nixos/modules/services/networking/firewalld/zone.nix>

services.firewalld.zones.<name>.target

Action for packets that doesn’t match any rules.

Type: one of “ACCEPT”, “%%REJECT%%”, “DROP”

Default:

```
"%%REJECT%%"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firewalld/zone.nix>

services.firewalld.zones.<name>.version

Version of the zone.

Type: null or non−empty string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firewalld/zone.nix>

services.firezone.gateway.enable

Whether to enable the firezone gateway.

You have to manually masquerade and forward traffic from the tun−firezone interface to your resource! Refer to the **upstream setup script** for a list of iptable commands.

See the firezone nixos test in this repository for an nftables based example.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firezone/gateway.nix>

services.firezone.gateway.enableTelemetry

Whether to enable telemetry.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firezone/gateway.nix>

services.firezone.gateway.package

The firezone−gateway package to use.

Type: package

Default:

```
pkgs.firezone-gateway
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firezone/gateway.nix>

services.firezone.gateway.apiUrl

The URL of your firezone server's API. This should be the same as your server's setting for **services.firezone.server.settings.api.externalUrl**, but with 'wss://' instead of 'https://'.

Type: string matching the pattern ^wss://.+/$

Example:

```
"wss://firezone.example.com/api/"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/gateway.nix>

services.firezone.gateway.logLevel
The log level for the firezone application. See **RUST_LOG** for the format.

Type: string

Default:

```
"info"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/gateway.nix>

services.firezone.gateway.name
The name of this gateway as shown in firezone

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/gateway.nix>

services.firezone.gateway.tokenFile
A file containing the firezone gateway token. Do not use a nix−store path here as it will make the token publicly readable!

This file will be passed via systemd credentials, it should only be accessible by the root user.

Type: absolute path

Example:

```
"/run/secrets/firezone−gateway−token"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/gateway.nix>

services.firezone.gui−client.enable
Whether to enable the firezone gui client.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/gui−client.nix>

services.firezone.gui−client.package
The firezone−gui−client package to use.

Type: package

Default:

```
pkgs.firezone−gui−client
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/gui−client.nix>

services.firezone.gui−client.allowedUsers

All listed users will become part of the ‘firezone−client’ group so they can control the tunnel service. This is a convenience option.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firezone/gui−client.nix>

services.firezone.gui−client.logLevel

The log level for the firezone application. See **RUST_LOG** for the format.

Type: string

Default:

```
"info"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firezone/gui−client.nix>

services.firezone.gui−client.name

The name of this client as shown in firezone

Type: string

Declared by:

<nixpkgs/nixos/modules/services/networking/firezone/gui−client.nix>

services.firezone.headless−client.enable

Whether to enable the firezone headless client.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firezone/headless−client.nix>

services.firezone.headless−client.enableTelemetry

Whether to enable telemetry.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firezone/headless−client.nix>

services.firezone.headless−client.package

The firezone−headless−client package to use.

Type: package

Default:

```
pkgs.firezone-headless-client
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firezone/headless−client.nix>

services.firezone.headless−client.apiUrl

The URL of your firezone server's API. This should be the same as your server's setting for **services.firezone.server.settings.api.externalUrl**, but with 'wss://' instead of 'https://'.

Type: string matching the pattern ^wss://.+/$

Example:

```
"wss://firezone.example.com/api/"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firezone/headless−client.nix>

services.firezone.headless−client.logLevel

The log level for the firezone application. See **RUST_LOG** for the format.

Type: string

Default:

```
"info"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firezone/headless−client.nix>

services.firezone.headless−client.name

The name of this client as shown in firezone

Type: string

Declared by:

<nixpkgs/nixos/modules/services/networking/firezone/headless−client.nix>

services.firezone.headless−client.tokenFile

A file containing the firezone client token. Do not use a nix−store path here as it will make the token publicly readable!

This file will be passed via systemd credentials, it should only be accessible by the root user.

Type: absolute path

Example:

```
"/run/secrets/firezone-client-token"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firezone/headless−client.nix>

services.firezone.relay.enable

Whether to enable the firezone relay server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/relay.nix>

services.firezone.relay.enableTelemetry
Whether to enable telemetry.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/relay.nix>

services.firezone.relay.package
The firezone−relay package to use.

Type: package

Default:

```
pkgs.firezone-relay
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/relay.nix>

services.firezone.relay.apiUrl
The URL of your firezone server's API. This should be the same as your server's setting for **services.firezone.server.settings.api.externalUrl**, but with 'wss://' instead of 'https://'.

Type: string matching the pattern ^wss://.+/$

Example:

```
"wss://firezone.example.com/api/"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/relay.nix>

services.firezone.relay.highestPort
The highest port to use in TURN allocation

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
65535
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/relay.nix>

services.firezone.relay.logLevel
The log level for the firezone application. See **RUST_LOG** for the format.

Type: string

Default:

```
"info"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/relay.nix>

services.firezone.relay.lowestPort
The lowest port to use in TURN allocation

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
49152
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/relay.nix>

services.firezone.relay.name
The name of this gateway as shown in firezone

Type: string

Example:

```
"My relay"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/relay.nix>

services.firezone.relay.openFirewall
Opens up the main STUN port and the TURN allocation range.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/relay.nix>

services.firezone.relay.port
The port to listen on for STUN messages

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3478
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/relay.nix>

services.firezone.relay.publicIpv4
The public ipv4 address of this relay

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/relay.nix>

services.firezone.relay.publicIpv6
The public ipv6 address of this relay

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/relay.nix>

services.firezone.relay.tokenFile
A file containing the firezone relay token. Do not use a nix−store path here as it will make the token publicly readable!

This file will be passed via systemd credentials, it should only be accessible by the root user.

Type: absolute path

Example:

```
"/run/secrets/firezone-relay-token"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/relay.nix>

services.firezone.server.enable
Whether to enable all Firezone components.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.enableLocalDB
Whether to enable a local postgresql database for Firezone.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.api.enable
Whether to enable the Firezone api server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.api.package

The firezone−server−api package to use.

Type: package

Default:

```
pkgs.firezone-server-api
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.api.address

The address to listen on

Type: string

Default:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.api.externalUrl

The external URL under which you will serve the api. You need to setup a reverse proxy for TLS termination, either with **services.firezone.server.nginx.enable** or manually.

Type: string matching the pattern ^https://.+/$

Example:

```
"https://firezone.example.com/api/"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.api.port

The port under which the api will be served locally

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8081
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.api.settings

Environment variables for this component of the Firezone server. For a list of available variables, please refer to the **upstream definitions**. Some variables like 'OUTBOUND_EMAIL_ADAPTER_OPTS' require json values for which you can use 'VAR = builtins.toJSON { /* ... */ }'.

This component will automatically inherit all variables defined via **services.firezone.server.settings** and **services.firezone.server.settingsSecret**, but which can be overwritten by this option.

Type: open submodule of attribute set of (boolean or floating point number or signed integer or string or absolute path or package)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.api.trustedProxies

A list of trusted proxies

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.clusterHosts

A list of components and their hosts that are part of this cluster. For a single−machine setup, the default value will be sufficient. This value will automatically set 'ERLANG_CLUSTER_ADAPTER_CONFIG'.

The format is '<COMPONENT_NAME>@<HOSTNAME>'.

Type: list of string

Default:

```
[
  "api@localhost.localdomain"
  "web@localhost.localdomain"
  "domain@localhost.localdomain"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.domain.enable

Whether to enable the Firezone domain server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.domain.package

The firezone−server−domain package to use.

Type: package

Default:

```
pkgs.firezone-server-domain
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.domain.settings

Environment variables for this component of the Firezone server. For a list of available variables, please refer to the **upstream definitions**. Some variables like 'OUTBOUND_EMAIL_ADAPTER_OPTS' require json values for which you can use 'VAR = builtins.toJSON { /* ... */ }'.

This component will automatically inherit all variables defined via **services.firezone.server.settings** and **services.firezone.server.settingsSecret**, but which can be overwritten by this option.

Type: open submodule of attribute set of (boolean or floating point number or signed integer or string or

absolute path or package)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.nginx.enable
Whether to enable nginx virtualhost definition.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.openClusterFirewall
Opens up the erlang distribution port of all enabled components to allow reaching the server cluster from the internet. You only need to set this if you are actually distributing your cluster across multiple machines.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.provision.enable
Whether to enable provisioning of the Firezone domain server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.provision.accounts
All accounts to provision. The attribute name specified here will become the account slug. By using ‘'{file:/path/to/file}'’ as a string value anywhere in these settings, the provisioning script will replace that value with the content of the given file at runtime.

Please refer to the **Firezone source code** for all available properties.

Type: attribute set of (open submodule of (JSON value))

Default:

```
{ }
```

Example:

```
{
  main = {
    features = {
      rest_api = false;
    };
    metadata = {
      stripe = {
        billing_email = "org@myorg.example.com";
      };
    };
    name = "My Account / Organization";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.provision.accounts.<name>.actors
All actors (users) to provision. The attribute name will only be used to track the actor and does not have any significance for Firezone.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  admin = {
    email = "admin@myorg.example.com";
    name = "Admin";
    type = "account_admin_user";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.provision.accounts.<name>.actors.<name>.email
The email address used to authenticate as this account

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.provision.accounts.<name>.actors.<name>.name
The name of this actor

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.provision.accounts.<name>.actors.<name>.type
The account type

Type: one of “account_admin_user”, “account_user”, “service_account”, “api_client”

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.provision.accounts.<name>.auth
All authentication providers to provision. The attribute name will only be used to track the provider and does not have any significance for Firezone.

Type: attribute set of (open submodule of (JSON value))

Default:

```
{ }
```

Example:

```
{
  myoidcprovider = {
    adapter = "openid_connect";
    adapter_config = {
      clientSecretFile = "/run/secrets/oidc-client-secret";
      client_id = "clientid";
      discovery_document_uri = "https://auth.example.com/.well-kno \
wn/openid-configuration";
      response_type = "code";
      scope = "openid email name";
    };
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.provision.accounts.<name>.auth.<name>.adapter
The auth adapter type

Type: one of “email”, “openid_connect”, “userpass”, “token”, “google_workspace”, “microsoft_entra”, “okta”, “jumpcloud”

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.provision.accounts.<name>.auth.<name>.adapter_config.clientSecretFile
A file containing a the client secret for an openid_connect adapter. You only need to set this if this is an openid_connect provider.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.provision.accounts.<name>.auth.<name>.name
The name of this authentication provider

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.provision.accounts.<name>.features.idp_sync
Whether to enable the ‘idp_sync’ feature for this account.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.provision.accounts.<name>.features.internet_resource
Whether to enable the ‘internet_resource’ feature for this account.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.provision.accounts.<name>.features.multi_site_resources
Whether to enable the ‘multi_site_resources’ feature for this account.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.provision.accounts.<name>.features.policy_conditions
Whether to enable the ‘policy_conditions’ feature for this account.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.provision.accounts.<name>.features.rest_api
Whether to enable the ‘rest_api’ feature for this account.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.provision.accounts.<name>.features.self_hosted_relays
Whether to enable the ‘self_hosted_relays’ feature for this account.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.provision.accounts.<name>.features.traffic_filters
Whether to enable the ‘traffic_filters’ feature for this account.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.provision.accounts.<name>.gatewayGroups
All gateway groups (sites) to provision. The attribute name will only be used to track the gateway group and does not have any significance for Firezone.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  my-gateways = {
    name = "My Gateways";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.provision.accounts.<name>.gatewayGroups.<name>.name
The name of this gateway group

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.provision.accounts.<name>.groups
All groups to provision. The attribute name will only be used to track the group and does not have any significance for Firezone.

A group named ‘everyone’ will automatically be managed by Firezone.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  users = {
    name = "Users";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.provision.accounts.<name>.groups.<name>.forceMembers
Ensure that only the given members are part of this group at every server start.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.provision.accounts.<name>.groups.<name>.members
The members of this group

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.provision.accounts.<name>.groups.<name>.name
The name of this group

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.provision.accounts.<name>.name
The account name

Type: string

Example:

```
"My Organization"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.provision.accounts.<name>.policies
All policies to provision. The attribute name will only be used to track the policy and does not have any significance for Firezone.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  access_vaultwarden = {
    group = "everyone";
    name = "Allow anyone to access vaultwarden";
    resource = "vaultwarden";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.provision.accounts.<name>.policies.<name>.description
The description of this policy

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.provision.accounts.<name>.policies.<name>.group
The group which should be allowed access to the given resource.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.provision.accounts.<name>.policies.<name>.resource
The resource to which access should be allowed.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.provision.accounts.<name>.relayGroups
All relay groups to provision. The attribute name will only be used to track the relay group and does not have any significance for Firezone.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  my-relays = {
    name = "My Relays";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.provision.accounts.<name>.relayGroups.<name>.name
The name of this relay group

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.provision.accounts.<name>.resources
All resources to provision. The attribute name will only be used to track the resource and does not have any significance for Firezone.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  vaultwarden = {
    address = "vault.example.com";
    address_description = "https://vault.example.com";
    filters = [
      {
        protocol = "icmp";
      }
      {
        ports = [
          80
          443
        ];
        protocol = "tcp";
      }
    ];
    gatewayGroups = [
      "my-site"
    ];
    name = "Vaultwarden";
    type = "dns";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.provision.accounts.<name>.resources.<name>.address

The address of this resource. Depending on the resource type, this should be an ip, ip with cidr mask or a domain.

Type: string

Declared by:

<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.provision.accounts.<name>.resources.<name>.addressDescription

An optional description for resource address, usually a full link to the resource including a schema.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.provision.accounts.<name>.resources.<name>.filters

A list of filter to restrict traffic. If no filters are given, all traffic is allowed.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.provision.accounts.<name>.resources.<name>.filters.*.ports
Either a single port or port range to allow. Both bounds are inclusive.

Type: list of ((submodule) or 16 bit unsigned integer; between 0 and 65535 (both inclusive) convertible to it)

Default:

```
[ ]
```

Example:

```
[
  443
  {
    from = 8080;
    to = 8100;
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.provision.accounts.<name>.resources.<name>.filters.*.ports.*.from
The start of the port range, inclusive.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.provision.accounts.<name>.resources.<name>.filters.*.ports.*.to
The end of the port range, inclusive.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.provision.accounts.<name>.resources.<name>.filters.*.protocol
The protocol to allow

Type: one of “icmp”, “tcp”, “udp”

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.provision.accounts.<name>.resources.<name>.gatewayGroups
A list of gateway groups (sites) which can reach the resource and may be used to connect to it.

Type: non−empty (list of string)

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.provision.accounts.<name>.resources.<name>.name
The name of this resource

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.provision.accounts.<name>.resources.<name>.type
The resource type

Type: one of “dns”, “cidr”, “ip”

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.settings
Environment variables for the Firezone server. For a list of available variables, please refer to the **upstream definitions**. Some variables like ‘OUTBOUND_EMAIL_ADAPTER_OPTS’ require json values for which you can use ‘VAR = builtins.toJSON { /* ... */ }’.

Each component has an additional ‘settings’ option which allows you to override specific variables passed to that component.

Type: open submodule of attribute set of (boolean or floating point number or signed integer or string or absolute path or package)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.settingsSecret
This is a convenience option which allows you to set secret values for environment variables by specifying a file which will contain the value at runtime. Before starting the server, the content of each file will be loaded into the respective environment variable.

Otherwise, this option is equivalent to **services.firezone.server.settings**. Refer to the settings option for more information regarding the actual variables and how filtering rules are applied for each component.

Type: open submodule of attribute set of absolute path

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.settingsSecret.COOKIE_ENCRYPTION_SALT
A file containing a unique base64 encoded secret for the ‘COOKIE_ENCRYPTION_SALT’. All Firezone components in your cluster must use the same value.

If this is ‘null’, a shared value will automatically be generated on startup and used for all components on this machine. You do not need to set this except when you spread your cluster over multiple hosts.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.settingsSecret.COOKIE_SIGNING_SALT

A file containing a unique base64 encoded secret for the 'COOKIE_SIGNING_SALT'. All Firezone components in your cluster must use the same value.

If this is 'null', a shared value will automatically be generated on startup and used for all components on this machine. You do not need to set this except when you spread your cluster over multiple hosts.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.settingsSecret.LIVE_VIEW_SIGNING_SALT

A file containing a unique base64 encoded secret for the 'LIVE_VIEW_SIGNING_SALT'. All Firezone components in your cluster must use the same value.

If this is 'null', a shared value will automatically be generated on startup and used for all components on this machine. You do not need to set this except when you spread your cluster over multiple hosts.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.settingsSecret.RELEASE_COOKIE

A file containing a unique secret identifier for the Erlang cluster. All Firezone components in your cluster must use the same value.

If this is 'null', a shared value will automatically be generated on startup and used for all components on this machine. You do not need to set this except when you spread your cluster over multiple hosts.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.settingsSecret.SECRET_KEY_BASE

A file containing a unique base64 encoded secret for the 'SECRET_KEY_BASE'. All Firezone components in your cluster must use the same value.

If this is 'null', a shared value will automatically be generated on startup and used for all components on this machine. You do not need to set this except when you spread your cluster over multiple hosts.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.settingsSecret.TOKENS_KEY_BASE

A file containing a unique base64 encoded secret for the 'TOKENS_KEY_BASE'. All Firezone components in your cluster must use the same value.

If this is 'null', a shared value will automatically be generated on startup and used for all components on this machine. You do not need to set this except when you spread your cluster over multiple hosts.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.settingsSecret.TOKENS_SALT

A file containing a unique base64 encoded secret for the 'TOKENS_SALT'. All Firezone components in your cluster must use the same value.

If this is 'null', a shared value will automatically be generated on startup and used for all components on this machine. You do not need to set this except when you spread your cluster over multiple hosts.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.smtp.configureManually

Outbound email configuration is mandatory for Firezone and supports many different delivery adapters. Yet, most users will only need an SMTP relay to send emails, so this configuration enforced by default.

If you want to utilize an alternative way to send emails (e.g. via a supportd API−based service), enable this option and define 'OUTBOUND_EMAIL_FROM', 'OUTBOUND_EMAIL_ADAPTER' and 'OUTBOUND_EMAIL_ADAPTER_OPTS' manually via **services.firezone.server.settings** and/or **services.firezone.server.settingsSecret**.

The Firezone documentation holds **a list of supported Swoosh adapters**.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.smtp.from

Outbound SMTP FROM address

Type: string

Example:

```
"firezone@example.com"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.smtp.host
Outbound SMTP host

Type: string

Example:

```
"mail.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.smtp.implicitTls
Whether to use implicit TLS instead of STARTTLS (usually port 465)

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.smtp.passwordFile
File containing the password for the given username. Beware that a file in the nix store will be world readable.

Type: absolute path

Example:

```
"/run/secrets/smtp-password"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.smtp.port
Outbound SMTP port

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Example:

```
465
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.smtp.username
Username to authenticate against the SMTP relay

Type: string

Example:

```
"firezone@example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.web.enable
Whether to enable the Firezone web server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.web.package
The firezone−server−web package to use.

Type: package

Default:

```
pkgs.firezone-server-web
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.web.address
The address to listen on

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.web.externalUrl
The external URL under which you will serve the web interface. You need to setup a reverse proxy for TLS termination, either with **services.firezone.server.nginx.enable** or manually.

Type: string matching the pattern ^https://.+/$

Example:

```
"https://firezone.example.com/"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.web.port
The port under which the web interface will be served locally

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.web.settings
Environment variables for this component of the Firezone server. For a list of available variables, please refer to the **upstream definitions**. Some variables like ‘OUTBOUND_EMAIL_ADAPTER_OPTS’ require json values for which you can use ‘VAR = builtins.toJSON { /* ... */ }’.

This component will automatically inherit all variables defined via **services.firezone.server.settings** and **services.firezone.server.settingsSecret**, but which can be overwritten by this option.

Type: open submodule of attribute set of (boolean or floating point number or signed integer or string or absolute path or package)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.firezone.server.web.trustedProxies

A list of trusted proxies

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/firezone/server.nix>

services.flannel.enable

Whether to enable flannel.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/flannel.nix>

services.flannel.package

The flannel package to use.

Type: package

Default:

```
pkgs.flannel
```

Declared by:

<nixpkgs/nixos/modules/services/networking/flannel.nix>

services.flannel.backend

Type of backend to use and specific configurations for that backend.

Type: attribute set

Default:

```
{
  Type = "vxlan";
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/flannel.nix>

services.flannel.etcd.caFile

Etcd certificate authority file

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/flannel.nix>

services.flannel.etcd.certFile
Etcd cert file

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/flannel.nix>

services.flannel.etcd.endpoints
Etcd endpoints

Type: list of string

Default:

```
[
  "http://127.0.0.1:2379"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/flannel.nix>

services.flannel.etcd.keyFile
Etcd key file

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/flannel.nix>

services.flannel.etcd.prefix
Etcd key prefix

Type: string

Default:

```
"/coreos.com/network"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/flannel.nix>

services.flannel.extraNetworkConfig
Extra configuration to be added to the net−conf.json/etcd−backed network configuration.

Type: JSON value

Default:

```
{ }
```

Example:

```
{
  EnableIPv6 = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/flannel.nix>

services.flannel.iface
Interface to use (IP or name) for inter−host communication. Defaults to the interface for the default route on the machine.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/flannel.nix>

services.flannel.kubeconfig
Path to kubeconfig to use for storing flannel config using the Kubernetes API

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/flannel.nix>

services.flannel.network
IPv4 network in CIDR format to use for the entire flannel network

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/flannel.nix>

services.flannel.nodeName
Needed when running with Kubernetes as backend as this cannot be auto−detected";

Type: null or string

Default:

```
config.networking.fqdnOrHostName
```

Example:

```
"node1.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/flannel.nix>

services.flannel.publicIp
IP accessible by other nodes for inter−host communication. Defaults to the IP of the interface being used for communication.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/flannel.nix>

services.flannel.storageBackend

Determines where flannel stores its configuration at runtime

Type: one of “etcd”, “kubernetes”

Default:

```
"etcd"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/flannel.nix>

services.flannel.subnetLen

The size of the subnet allocated to each host. Defaults to 24 (i.e. /24) unless the Network was configured to be smaller than a /24 in which case it is one less than the network.

Type: signed integer

Default:

```
24
```

Declared by:

<nixpkgs/nixos/modules/services/networking/flannel.nix>

services.flannel.subnetMax

The end of IP range which the subnet allocation should start with. Defaults to the last subnet of Network.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/flannel.nix>

services.flannel.subnetMin

The beginning of IP range which the subnet allocation should start with. Defaults to the first subnet of Network.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/flannel.nix>

services.flaresolverr.enable

Whether to enable FlareSolverr, a proxy server to bypass Cloudflare protection.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/flaresolverr.nix>

services.flaresolverr.package
The flaresolverr package to use.

Type: package

Default:

```
pkgs.flaresolverr
```

Declared by:
<nixpkgs/nixos/modules/services/misc/flaresolverr.nix>

services.flaresolverr.openFirewall
Open the port in the firewall for FlareSolverr.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/flaresolverr.nix>

services.flaresolverr.port
The port on which FlareSolverr will listen for incoming HTTP traffic.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8191
```

Declared by:
<nixpkgs/nixos/modules/services/misc/flaresolverr.nix>

services.flarum.enable
Whether to enable Flarum discussion platform.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/flarum.nix>

services.flarum.package
The flarum package to use.

Type: package

Default:

```
pkgs.flarum
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/flarum.nix>

services.flarum.adminEmail
Email for first web application administrator

Type: string

Default:

```
"admin@example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/flarum.nix>

services.flarum.adminUser
Username for first web application administrator

Type: string

Default:

```
"flarum"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/flarum.nix>

services.flarum.baseUrl
Change ‘domain’ instead.

Type: string

Default:

```
"http://localhost"
```

Example:

```
"https://forum.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/flarum.nix>

services.flarum.createDatabaseLocally
Create the database and database user locally, and run installation.

WARNING: Due to **https://github.com/flarum/framework/issues/4018**, this option is set to false by default. The ‘flarum install’ command may delete existing database tables. Only set this to true if you are certain you are working with a fresh, empty database.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/flarum.nix>

services.flarum.database
MySQL database parameters

Type: attribute set of (string or boolean or signed integer)

Default:

```
{
  database = "flarum";
  driver = "mysql";
  host = "localhost";
  password = "";
  port = 3306;
```

```
  prefix = "";
  strict = false;
  username = "flarum";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/flarum.nix>

services.flarum.domain
Domain to serve on.

Type: string

Default:

```
"localhost"
```

Example:

```
"forum.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/flarum.nix>

services.flarum.forumTitle
Title of the forum.

Type: string

Default:

```
"A Flarum Forum on NixOS"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/flarum.nix>

services.flarum.group
System group to run Flarum

Type: string

Default:

```
"flarum"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/flarum.nix>

services.flarum.initialAdminPassword
Initial password for the adminUser

Type: string

Default:

```
"flarum"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/flarum.nix>

services.flarum.stateDir
Home directory for writable storage

Type: absolute path

Default:

```
"/var/lib/flarum"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/flarum.nix>

services.flarum.user
System user to run Flarum

Type: string

Default:

```
"flarum"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/flarum.nix>

services.flatpak.enable
Whether to enable flatpak.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/flatpak.nix>

services.flatpak.package
The flatpak package to use.

Type: package

Default:

```
pkgs.flatpak
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/flatpak.nix>

services.flexget.enable
Whether to enable FlexGet daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/flexget.nix>

services.flexget.package
The flexget package to use.

Type: package

Default:

```
pkgs.flexget
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/flexget.nix>

services.flexget.config
The YAML configuration for FlexGet.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/flexget.nix>

services.flexget.homeDir
Where files live.

Type: absolute path

Default:

```
"/var/lib/deluge"
```

Example:

```
"/home/flexget"
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/flexget.nix>

services.flexget.interval
When to perform a **flexget** run. See **man 7 systemd.time** for the format.

Type: string

Default:

```
"10m"
```

Example:

```
"1h"
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/flexget.nix>

services.flexget.systemScheduler
When true, execute the runs via the flexget−runner.timer. If false, you have to specify the settings yourself in the YML file.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/flexget.nix>

services.flexget.user

The user under which to run flexget.

Type: string

Default:

```
"deluge"
```

Example:

```
"some_user"
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/flexget.nix>

services.flood.enable

Whether to enable flood.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/flood.nix>

services.flood.package

The flood package to use.

Type: package

Default:

```
pkgs.flood
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/flood.nix>

services.flood.extraArgs

Extra arguments passed to ‘flood’.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--baseuri=/"
]
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/flood.nix>

services.flood.host

Host to bind webserver.

Type: string

Default:

```
"localhost"
```

Example:

```
"::"
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/flood.nix>

services.flood.openFirewall
Whether to open the firewall for the port in **services.flood.port**.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/flood.nix>

services.flood.port
Port to bind webserver.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Example:

```
3001
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/flood.nix>

services.fluent−bit.enable
Whether to enable Fluent Bit.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/fluent−bit.nix>

services.fluent−bit.package
The fluent−bit package to use.

Type: package

Default:

```
pkgs.fluent−bit
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/fluent−bit.nix>

services.fluent−bit.configurationFile

Fluent Bit configuration. See **https://docs.fluentbit.io/manual/administration/configuring−fluent−bit/yaml** for supported values.

configurationFile takes precedence over **settings**.

Note: Restricted evaluation blocks access to paths outside the Nix store. This means detecting content changes for mutable paths (i.e. not input or content−addressed) can't be done. As a result, 'nixos−rebuild' won't reload/restart the systemd unit when mutable path contents change. 'systemctl restart fluent−bit.service' must be used instead.

Type: absolute path

Default:

```
yamlFormat.generate "fluent−bit.yaml" cfg.settings
```

Example:

```
"/etc/fluent−bit/fluent−bit.yaml"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/fluent−bit.nix>

services.fluent−bit.graceLimit

The grace time limit. Sets the systemd unit's 'TimeoutStopSec'.

The 'service.grace' option in the Fluent Bit configuration should be ≤ this option.

Type: null or positive integer, meaning >0, or string

Default:

```
null
```

Example:

```
30
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/fluent−bit.nix>

services.fluent−bit.settings

See **configurationFile**.

configurationFile takes precedence over **settings**.

Type: YAML 1.1 value

Default:

```
{ }
```

Example:

```
{
  pipeline = {
    inputs = [
      {
        name = "systemd";
        systemd_filter = "_SYSTEMD_UNIT=fluent−bit.service";
      }
    ];
    outputs = [
      {
        file = "fluent−bit.out";
        name = "file";
```

```
            path = "/var/log/fluent-bit";
          }
        ];
      };
      service = {
        grace = 30;
      };
    }
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/fluent-bit.nix>

services.fluentd.enable
Whether to enable fluentd, a data/log collector.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/logging/fluentd.nix>

services.fluentd.package
The fluentd package to use.

Type: package

Default:

```
pkgs.fluentd
```

Declared by:
<nixpkgs/nixos/modules/services/logging/fluentd.nix>

services.fluentd.config
Fluentd config.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/logging/fluentd.nix>

services.fluentd.plugins
A list of plugin paths to pass into fluentd. It will make plugins defined in ruby files there available in your config.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/logging/fluentd.nix>

services.fluidd.enable

Whether to enable Fluidd, a Klipper web interface for managing your 3d printer.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.package

The fluidd package to use.

Type: package

Default:

```
pkgs.fluidd
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.hostName

Hostname to serve fluidd on

Type: string

Default:

```
"localhost"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx

Extra configuration for the nginx virtual host of fluidd.

Type: submodule

Default:

```
{ }
```

Example:

```
{
  serverAliases = [ "fluidd.${config.networking.domain}" ];
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.enableACME

Whether to ask Let’s Encrypt to sign a certificate for this vhost. Alternately, you can use an existing certificate through **useACMEHost**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.acmeFallbackHost
Host which to proxy requests to if ACME challenge is not found. Useful if you want multiple hosts to be able to verify the same domain name.

With this option, you could request certificates for the present domain with an ACME client that is running on another host, which you would specify here.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.acmeRoot
Directory for the ACME challenge, which is **public**. Don't put certs or keys in here. Set to null to inherit from config.security.acme.

Type: null or string

Default:

```
"/var/lib/acme/acme−challenge"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.addSSL
Whether to enable HTTPS in addition to plain HTTP. This will set defaults for 'listen' to listen on all interfaces on the respective default ports (80, 443).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.basicAuth
Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.basicAuthFile

Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.default

Makes this vhost the default.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.extraConfig

These lines go to the end of the vhost verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.forceSSL

Whether to add a separate nginx server block that redirects (defaults to 301, configurable with ‘redirectCode’) all plain HTTP traffic to HTTPS. This will set defaults for ‘listen’ to listen on all interfaces on the respective default ports (80, 443), where the non−SSL listens are used for the redirect vhosts.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.globalRedirect

If set, all requests for this host are redirected (defaults to 301, configurable with ‘redirectCode’) to the given hostname.

Type: null or string

Default:

```
null
```

Example:

```
"newserver.example.org"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.http2

Whether to enable the HTTP/2 protocol. Note that (as of writing) due to nginx's implementation, to disable HTTP/2 you have to disable it on all vhosts that use a given IP address / port. If there is one server block configured to enable http2, then it is enabled for all server blocks on this IP. See **https://stackoverflow.com/a/39466948/263061**.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.http3

Whether to enable the HTTP/3 protocol. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that HTTP/3 support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/** HTTP/3 availability must be manually advertised, preferably in each location block.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.http3_hq

Whether to enable the HTTP/0.9 protocol negotiation used in QUIC interoperability tests. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that special application protocol support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.kTLS

Whether to enable kTLS support. Implementing TLS in the kernel (kTLS) improves performance by significantly reducing the need for copying operations between user space and the kernel. Required Nginx version 1.21.4 or later.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.listen

Listen addresses and ports for this virtual host. IPv6 addresses must be enclosed in square brackets. Note: this option overrides 'addSSL' and 'onlySSL'.

If you only want to set the addresses manually and not the ports, take a look at 'listenAddresses'.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    addr = "195.154.1.1";
    port = 443;
    ssl = true;
  }
  {
    addr = "192.154.1.1";
    port = 80;
  }
  {
    addr = "unix:/var/run/nginx.sock";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.listen.*.addr
Listen address.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.listen.*.extraParameters
Extra parameters of this listen directive.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "backlog=1024"
  "deferred"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.listen.*.port
Port number to listen on. If unset and the listen address is not a socket then nginx defaults to 80.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.listen.*.proxyProtocol

Enable PROXY protocol.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.listen.*.ssl

Enable SSL.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.listenAddresses

Listen addresses for this virtual host. Compared to ‘listen’ this only sets the addresses and the ports are chosen automatically.

Note: This option overrides ‘networking.enableIPv6’

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "127.0.0.1"
  "[::1]"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.locations

Declarative location config

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "/" = {
    proxyPass = "http://localhost:3000";
  };
};
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.locations.<name>.alias

Alias directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/alias/directory"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.locations.<name>.basicAuth

Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.locations.<name>.basicAuthFile

Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.locations.<name>.extraConfig

These lines go to the end of the location verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.locations.<name>.fastcgiParams

FastCGI parameters to override. Unlike in the Nginx configuration file, overriding only some default parameters won’t unset the default values for other parameters.

Type: attribute set of (string or absolute path)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.locations.<name>.index
Adds index directive.

Type: null or string

Default:

```
null
```

Example:

```
"index.php index.html"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.locations.<name>.priority
Order of this location block in relation to the others in the vhost. The semantics are the same as with 'lib.mkOrder'. Smaller values have a greater priority.

Type: signed integer

Default:

```
1000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.locations.<name>.proxyPass
Adds proxy_pass directive and sets recommended proxy headers if recommendedProxySettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"http://www.example.org/"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.locations.<name>.proxyWebsockets
Whether to support proxying websocket connections with HTTP/1.1.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.locations.<name>.recommendedProxySettings
Enable recommended proxy settings.

Type: boolean

Default:

```
config.services.nginx.recommendedProxySettings
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.locations.<name>.recommendedUwsgiSettings
Enable recommended uwsgi settings.

Type: boolean

Default:

```
config.services.nginx.recommendedUwsgiSettings
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.locations.<name>.return
Adds a return directive, for e.g. redirections.

Type: null or string or signed integer

Default:

```
null
```

Example:

```
"301 http://example.com$request_uri"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.locations.<name>.root
Root directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/root/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.locations.<name>.tryFiles
Adds try_files directive.

Type: null or string

Default:

```
null
```

Example:

```
"$uri =404"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.locations.<name>.uwsgiPass
Adds uwsgi_pass directive and sets recommended proxy headers if recommendedUwsgiSettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"unix:/run/example/example.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.onlySSL
Whether to enable HTTPS and reject plain HTTP connections. This will set defaults for 'listen' to listen on all interfaces on port 443.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.quic
Whether to enable the QUIC transport protocol. Note that QUIC support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.redirectCode
HTTP status used by 'globalRedirect' and 'forceSSL'. Possible usecases include temporary (302, 307) redirects, keeping the request method and body (307, 308), or explicitly resetting the method to GET (303). See **https://developer.mozilla.org/en−US/docs/Web/HTTP/Redirections**.

Type: integer between 300 and 399 (both inclusive)

Default:

```
301
```

Example:

```
308
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.rejectSSL

Whether to listen for and reject all HTTPS connections to this vhost. Useful in **default** server blocks to avoid serving the certificate for another vhost. Uses the 'ssl_reject_handshake' directive available in nginx versions 1.19.4 and above.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.reuseport

Create an individual listening socket . It is required to specify only once on one of the hosts.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.root

The path of the web root directory.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/data/webserver/docs"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.serverAliases

Additional names of virtual hosts served by this virtual host configuration.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
  "example.org"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.serverName

Name of this virtual host. Defaults to attribute name in virtualHosts.

Type: null or string

Default:

```
null
```

Example:

```
"example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.sslCertificate
Path to server SSL certificate.

Type: absolute path

Example:

```
"/var/host.cert"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.sslCertificateKey
Path to server SSL certificate key.

Type: absolute path

Example:

```
"/var/host.key"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.sslTrustedCertificate
Path to root SSL certificate for stapling and client certificates.

Type: null or absolute path

Default:

```
null
```

Example:

```
"${pkgs.cacert}/etc/ssl/certs/ca−bundle.crt"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

services.fluidd.nginx.useACMEHost
A host of an existing Let's Encrypt certificate to use. This is useful if you have many subdomains and want to avoid hitting the **rate limit**. Alternately, you can generate a certificate through **enableACME**. *Note that this option does not create any certificates, nor it does add subdomains to existing ones – you will need to create them manually using* **security.acme.certs**[2].

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/fluidd.nix>

2. see the **security.acme.certs** option

services.foldingathome.enable

Whether to enable Folding@home client.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/computing/foldingathome/client.nix>

services.foldingathome.package

The fahclient package to use.

Type: package

Default:

```
pkgs.fahclient
```

Declared by:

<nixpkgs/nixos/modules/services/computing/foldingathome/client.nix>

services.foldingathome.daemonNiceLevel

Daemon process priority for FAHClient. 0 is the default Unix process priority, 19 is the lowest.

Type: integer between −20 and 19 (both inclusive)

Default:

Declared by:

<nixpkgs/nixos/modules/services/computing/foldingathome/client.nix>

services.foldingathome.extraArgs

Extra startup options for the FAHClient. Run ‘fah−client −−help’ to find all the available options.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/computing/foldingathome/client.nix>

services.foldingathome.team

The team ID associated with the reported computation results. This will be used in the ranking statistics.

By default, use the NixOS folding@home team ID is being used.

Type: signed integer

Default:

```
236565
```

Declared by:

<nixpkgs/nixos/modules/services/computing/foldingathome/client.nix>

services.foldingathome.user

The user associated with the reported computation results. This will be used in the ranking statistics.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/computing/foldingathome/client.nix>

services.forgejo.enable

Whether to enable Forgejo, a software forge.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/forgejo.nix>

services.forgejo.package

The forgejo−lts package to use.

Type: package

Default:

```
pkgs.forgejo-lts
```

Declared by:

<nixpkgs/nixos/modules/services/misc/forgejo.nix>

services.forgejo.customDir

Base directory for custom templates and other options.

If **services.forgejo.useWizard** is disabled (default), this directory will also hold secrets and the resulting *app.ini* config at runtime.

Type: string

Default:

```
"${config.services.forgejo.stateDir}/custom"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/forgejo.nix>

services.forgejo.database.createDatabase

Whether to create a local database automatically.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/forgejo.nix>

services.forgejo.database.host
Database host address.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/forgejo.nix>

services.forgejo.database.name
Database name.

Type: string

Default:

```
"forgejo"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/forgejo.nix>

services.forgejo.database.passwordFile
A file containing the password corresponding to **services.forgejo.database.user**.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/forgejo-dbpassword"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/forgejo.nix>

services.forgejo.database.path
Path to the sqlite3 database file.

Type: string

Default:

```
"${config.services.forgejo.stateDir}/data/forgejo.db"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/forgejo.nix>

services.forgejo.database.port
Database host port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
if config.services.forgejo.database.type != "postgresql"
then 3306
else 5432
```

Declared by:
<nixpkgs/nixos/modules/services/misc/forgejo.nix>

services.forgejo.database.socket
Path to the unix socket file to use for authentication.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/mysqld/mysqld.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/forgejo.nix>

services.forgejo.database.type
Database engine to use.

Type: one of “sqlite3”, “mysql”, “postgres”

Default:

```
"sqlite3"
```

Example:

```
"mysql"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/forgejo.nix>

services.forgejo.database.user
Database user.

Type: string

Default:

```
"forgejo"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/forgejo.nix>

services.forgejo.dump.enable
Whether to enable periodic dumps via the **built−in dump command**.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/forgejo.nix>

services.forgejo.dump.age
Age of backup used to decide what files to delete when cleaning. If a file or directory is older than the current time minus the age field, it is deleted.

The format is described in **tmpfiles.d**(5).

Type: string

Default:

```
"4w"
```

Example:

```
"5d"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/forgejo.nix>

services.forgejo.dump.backupDir
Path to the directory where the dump archives will be stored.

Type: string

Default:

```
"${config.services.forgejo.stateDir}/dump"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/forgejo.nix>

services.forgejo.dump.file
Filename to be used for the dump. If ‘null’ a default name is chosen by forgejo.

Type: null or string

Default:

```
null
```

Example:

```
"forgejo-dump"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/forgejo.nix>

services.forgejo.dump.interval
Run a Forgejo dump at this interval. Runs by default at 04:31 every day.

The format is described in **systemd.time**(7).

Type: string

Default:

```
"04:31"
```

Example:

```
"hourly"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/forgejo.nix>

services.forgejo.dump.type
Archive format used to store the dump file.

Type: one of “zip”, “tar”, “tar.sz”, “tar.gz”, “tar.xz”, “tar.bz2”, “tar.br”, “tar.lz4”, “tar.zst”

Default:

```
"zip"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/forgejo.nix>

services.forgejo.group
Group under which Forgejo runs.

Type: string

Default:

```
"forgejo"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/forgejo.nix>

services.forgejo.lfs.enable
Enables git−lfs support.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/forgejo.nix>

services.forgejo.lfs.contentDir
Where to store LFS files.

Type: string

Default:

```
"${config.services.forgejo.stateDir}/data/lfs"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/forgejo.nix>

services.forgejo.repositoryRoot
Path to the git repositories.

Type: string

Default:

```
"${config.services.forgejo.stateDir}/repositories"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/forgejo.nix>

services.forgejo.secrets
This is a small wrapper over systemd's 'LoadCredential'.

It takes the same sections and keys as **services.forgejo.settings**, but the value of each key is a path instead of a string or bool.

The path is then loaded as credential, exported as environment variable and then feed through **https://codeberg.org/forgejo/forgejo/src/branch/forgejo/contrib/environment−to−ini/environment−to−ini.go**.

It does the required environment variable escaping for you.

Note
Keys specified here take priority over the ones in **services.forgejo.settings**!

Type: open submodule of attribute set of attribute set of absolute path

Default:

```
{ }
```

Example:

```
{
  metrics = {
    TOKEN = "/run/keys/forgejo-metrics-token";
  };
  camo = {
    HMAC_KEY = "/run/keys/forgejo-camo-hmac";
  };
  service = {
    HCAPTCHA_SECRET = "/run/keys/forgejo-hcaptcha-secret";
    HCAPTCHA_SITEKEY = "/run/keys/forgejo-hcaptcha-sitekey";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/misc/forgejo.nix>

services.forgejo.settings

Free-form settings written directly to the 'app.ini' configfile file. Refer to **https://forgejo.org/docs/latest/admin/config-cheat-sheet/** for supported values.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Example:

```
{
  DEFAULT = {
    RUN_MODE = "dev";
  };
  "cron.sync_external_users" = {
    RUN_AT_START = true;
    SCHEDULE = "@every 24h";
    UPDATE_EXISTING = true;
  };
  mailer = {
    ENABLED = true;
    PROTOCOL = "sendmail";
    FROM = "do-not-reply@example.org";
    SENDMAIL_PATH = "${pkgs.system-sendmail}/bin/sendmail";
  };
  other = {
    SHOW_FOOTER_VERSION = false;
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/misc/forgejo.nix>

services.forgejo.settings.log.LEVEL

General log level.

Type: one of "Trace", "Debug", "Info", "Warn", "Error", "Critical"

Default:

```
"Info"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/forgejo.nix>

services.forgejo.settings.log.ROOT_PATH
Root path for log files.

Type: string

Default:

```
"${config.services.forgejo.stateDir}/log"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/forgejo.nix>

services.forgejo.settings.server.DISABLE_SSH
Disable external SSH feature.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/forgejo.nix>

services.forgejo.settings.server.DOMAIN
Domain name of your server.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/forgejo.nix>

services.forgejo.settings.server.HTTP_ADDR
Listen address. Must be a path when using a unix socket.

Type: string or absolute path

Default:

```
if lib.hasSuffix "+unix" cfg.settings.server.PROTOCOL then "/run/fo \
rgejo/forgejo.sock" else "0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/forgejo.nix>

services.forgejo.settings.server.HTTP_PORT
Listen port. Ignored when using a unix socket.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Declared by:
<nixpkgs/nixos/modules/services/misc/forgejo.nix>

services.forgejo.settings.server.PROTOCOL

Listen protocol. '+unix' means "over unix", not "in addition to."

Type: one of "http", "https", "fcgi", "http+unix", "fcgi+unix"

Default:

```
"http"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/forgejo.nix>

services.forgejo.settings.server.ROOT_URL

Full public URL of Forgejo server.

Type: string

Default:

```
"http://${config.services.forgejo.settings.server.DOMAIN}:${toStrin \
g config.services.forgejo.settings.server.HTTP_PORT}/"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/forgejo.nix>

services.forgejo.settings.server.SSH_PORT

SSH port displayed in clone URL. The option is required to configure a service when the external visible port differs from the local listening port i.e. if port forwarding is used.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
22
```

Example:

```
2222
```

Declared by:

<nixpkgs/nixos/modules/services/misc/forgejo.nix>

services.forgejo.settings.server.STATIC_ROOT_PATH

Upper level of template and static files path.

Type: string or absolute path

Default:

```
config.services.forgejo.package.data
```

Example:

```
"/var/lib/forgejo/data"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/forgejo.nix>

services.forgejo.settings.session.COOKIE_SECURE

Marks session cookies as "secure" as a hint for browsers to only send them via HTTPS. This option is recommend, if Forgejo is being served over HTTPS.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/forgejo.nix>

services.forgejo.stateDir
Forgejo data directory.

Type: string

Default:

```
"/var/lib/forgejo"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/forgejo.nix>

services.forgejo.useWizard
Whether to use the built−in installation wizard instead of declaratively managing the *app.ini* config file in nix.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/forgejo.nix>

services.forgejo.user
User account under which Forgejo runs.

Type: string

Default:

```
"forgejo"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/forgejo.nix>

services.foundationdb.enable
Whether to enable FoundationDB Server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/databases/foundationdb.nix>

services.foundationdb.package
The FoundationDB package to use for this server. This must be specified by the user in order to ensure migrations and upgrades are controlled appropriately.

Type: package

Declared by:
<nixpkgs/nixos/modules/services/databases/foundationdb.nix>

services.foundationdb.backupProcesses

Number of backup_agent processes to run for snapshots.

Type: signed integer

Default:

```
1
```

Declared by:

<nixpkgs/nixos/modules/services/databases/foundationdb.nix>

services.foundationdb.class

Process class

Type: null or one of “storage”, “transaction”, “stateless”

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/databases/foundationdb.nix>

services.foundationdb.dataDir

Data directory. All cluster data will be put under here.

Type: absolute path

Default:

```
"/var/lib/foundationdb"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/foundationdb.nix>

services.foundationdb.extraReadWritePaths

An extra set of filesystem paths that FoundationDB can read to and write from. By default, FoundationDB runs under a heavily namespaced systemd environment without write access to most of the filesystem outside of its data and log directories. By adding paths to this list, the set of writeable paths will be expanded. This is useful for allowing e.g. backups to local files, which must be performed on behalf of the foundationdb service.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/databases/foundationdb.nix>

services.foundationdb.group

Group account under which FoundationDB runs.

Type: string

Default:

```
"foundationdb"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/foundationdb.nix>

services.foundationdb.listenAddress

Publicly visible IP address of the process. Port is determined by process ID

Type: string

Default:

```
"public"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/foundationdb.nix>

services.foundationdb.listenPortStart

Starting port number for database listening sockets. Every FDB process binds to a subsequent port, to this number reflects the start of the overall range. e.g. having 8 server processes will use all ports between 4500 and 4507.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
4500
```

Declared by:

<nixpkgs/nixos/modules/services/databases/foundationdb.nix>

services.foundationdb.locality

FoundationDB locality settings.

Type: submodule

Default:

```
{
  dataHall = null;
  datacenterId = null;
  machineId = null;
  zoneId = null;
}
```

Declared by:

<nixpkgs/nixos/modules/services/databases/foundationdb.nix>

services.foundationdb.locality.dataHall

Data hall identifier key. All processes physically located in a data hall should share the id. If you are depending on data hall based replication this must be set on all processes.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/databases/foundationdb.nix>

services.foundationdb.locality.datacenterId

Data center identifier key. All processes physically located in a data center should share the id. If you are depending on data center based replication this must be set on all processes.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/databases/foundationdb.nix>

services.foundationdb.locality.machineId
Machine identifier key. All processes on a machine should share a unique id. By default, processes on a machine determine a unique id to share. This does not generally need to be set.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/databases/foundationdb.nix>

services.foundationdb.locality.zoneId
Zone identifier key. Processes that share a zone id are considered non−unique for the purposes of data replication. If unset, defaults to machine id.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/databases/foundationdb.nix>

services.foundationdb.logDir
Log directory.

Type: absolute path

Default:

```
"/var/log/foundationdb"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/foundationdb.nix>

services.foundationdb.logSize
Roll over to a new log file after the current log file reaches the specified size.

Type: string

Default:

```
"10MiB"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/foundationdb.nix>

services.foundationdb.maxLogSize
Delete the oldest log file when the total size of all log files exceeds the specified size. If set to 0, old log files will not be deleted.

Type: string

Default:

```
"100MiB"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/foundationdb.nix>

services.foundationdb.memory

Maximum memory used by the process. The default value is '8GiB'. When specified without a unit, 'MiB' is assumed. This parameter does not change the memory allocation of the program. Rather, it sets a hard limit beyond which the process will kill itself and be restarted. The default value of '8GiB' is double the intended memory usage in the default configuration (providing an emergency buffer to deal with memory leaks or similar problems). It is not recommended to decrease the value of this parameter below its default value. It may be increased if you wish to allocate a very large amount of storage engine memory or cache. In particular, when the 'storageMemory' parameter is increased, the 'memory' parameter should be increased by an equal amount.

Type: string

Default:

```
"8GiB"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/foundationdb.nix>

services.foundationdb.openFirewall

Open the firewall ports corresponding to FoundationDB processes and coordinators using **config.networking.firewall.***.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/databases/foundationdb.nix>

services.foundationdb.pidfile

Path to pidfile for fdbmonitor.

Type: absolute path

Default:

```
"/run/foundationdb.pid"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/foundationdb.nix>

services.foundationdb.publicAddress

Publicly visible IP address of the process. Port is determined by process ID

Type: string

Default:

```
"auto"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/foundationdb.nix>

services.foundationdb.restartDelay

Number of seconds to wait before restarting servers.

Type: signed integer

Default:

```
10
```

Declared by:
<nixpkgs/nixos/modules/services/databases/foundationdb.nix>

services.foundationdb.serverProcesses
Number of fdbserver processes to run.

Type: signed integer

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/databases/foundationdb.nix>

services.foundationdb.storageMemory
Maximum memory used for data storage. The default value is ‘1GiB’. When specified without a unit, ‘MB’ is assumed. Clusters using the memory storage engine will be restricted to using this amount of memory per process for purposes of data storage. Memory overhead associated with storing the data is counted against this total. If you increase the ‘storageMemory’, you should also increase the ‘memory’ parameter by the same amount.

Type: string

Default:

```
"1GiB"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/foundationdb.nix>

services.foundationdb.tls
FoundationDB Transport Security Layer (TLS) settings.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/databases/foundationdb.nix>

services.foundationdb.tls.allowedPeers
“Peer verification string”. This may be used to adjust which TLS client certificates a server will accept, as a form of user authorization; for example, it may only accept TLS clients who offer a certificate abiding by some locality or organization name.

For more information, please see the FoundationDB documentation.

Type: string

Default:

```
"Check.Valid=1,Check.Unexpired=1"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/foundationdb.nix>

services.foundationdb.tls.certificate
Path to the TLS certificate file. This certificate will be offered to, and may be verified by, clients.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/databases/foundationdb.nix>

services.foundationdb.tls.key
Private key file for the certificate.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/databases/foundationdb.nix>

services.foundationdb.traceFormat
Trace logging format.

Type: one of “xml”, “json”

Default:

```
"xml"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/foundationdb.nix>

services.foundationdb.user
User account under which FoundationDB runs.

Type: string

Default:

```
"foundationdb"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/foundationdb.nix>

services.fprintd.enable
Whether to enable fprintd daemon and PAM module for fingerprint readers handling.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/fprintd.nix>

services.fprintd.package
fprintd package to use.

Type: package

Default:

```
if config.services.fprintd.tod.enable then pkgs.fprintd-tod else p \
kgs.fprintd
```

Declared by:
<nixpkgs/nixos/modules/services/security/fprintd.nix>

services.fprintd.tod.enable

Whether to enable Touch OEM Drivers library support.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/security/fprintd.nix>

services.fprintd.tod.driver

Touch OEM Drivers (TOD) package to use.

Type: package

Example:

```
pkgs.libfprint-2-tod1-goodix
```

Declared by:

<nixpkgs/nixos/modules/services/security/fprintd.nix>

services.fractalart.enable

Enable FractalArt for generating colorful wallpapers on login

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/x11/fractalart.nix>

services.fractalart.height

Screen height

Type: null or signed integer

Default:

```
null
```

Example:

```
1080
```

Declared by:

<nixpkgs/nixos/modules/services/x11/fractalart.nix>

services.fractalart.width

Screen width

Type: null or signed integer

Default:

```
null
```

Example:

```
1920
```

Declared by:
<nixpkgs/nixos/modules/services/x11/fractalart.nix>

services.freeciv.enable
Whether to enable freeciv.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/games/freeciv.nix>

services.freeciv.openFirewall
Whether to enable opening the firewall for the port listening for clients.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/games/freeciv.nix>

services.freeciv.settings
Parameters of freeciv−server.

Type: open submodule of (freeciv−server params)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/games/freeciv.nix>

services.freeciv.settings.Announce
Announce game in LAN using given protocol.

Type: one of “IPv4”, “IPv6”, “none”

Default:

```
"none"
```

Declared by:
<nixpkgs/nixos/modules/services/games/freeciv.nix>

services.freeciv.settings.Database
Enable database connection with given configuration.

Type: null or string

Default:

```
[fcdb]
  backend="sqlite"
  database="/var/lib/freeciv/auth.sqlite"
```

Declared by:
<nixpkgs/nixos/modules/services/games/freeciv.nix>

services.freeciv.settings.Guests
Whether to enable guests to login if auth is enabled.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/games/freeciv.nix>

services.freeciv.settings.Newusers
Whether to enable new users to login if auth is enabled.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/games/freeciv.nix>

services.freeciv.settings.auth
Whether to enable server authentication.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/games/freeciv.nix>

services.freeciv.settings.debug
Set debug log level.

Type: integer between 0 and 3 (both inclusive)

Default:

Declared by:
<nixpkgs/nixos/modules/services/games/freeciv.nix>

services.freeciv.settings.exit−on−end
Whether to enable exit instead of restarting when a game ends.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/games/freeciv.nix>

services.freeciv.settings.port
Listen for clients on given port

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5556
```

Declared by:
<nixpkgs/nixos/modules/services/games/freeciv.nix>

services.freeciv.settings.quitidle
Quit if no players for given time in seconds.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/games/freeciv.nix>

services.freeciv.settings.read
Startup script.

Type: strings concatenated with "\n"

Default:

```
/fcdb lua sqlite_createdb()
```

Declared by:
<nixpkgs/nixos/modules/services/games/freeciv.nix>

services.freeciv.settings.saves
Save games to given directory, a sub−directory named after the starting date of the service will me inserted to preserve older saves.

Type: null or string

Default:

```
"/var/lib/freeciv/saves/"
```

Declared by:
<nixpkgs/nixos/modules/services/games/freeciv.nix>

services.freefall.enable
Whether to protect HP/Dell laptop hard drives (not SSDs) in free fall.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/freefall.nix>

services.freefall.package

The freefall package to use.

Type: package

Default:

```
pkgs.freefall
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/freefall.nix>

services.freefall.devices

Device paths to all internal spinning hard drives.

Type: list of string

Default:

```
[
  "/dev/sda"
]
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/freefall.nix>

services.freenet.enable

Whether to enable Freenet daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/freenet.nix>

services.freenet.nice

Set the nice level for the Freenet daemon

Type: integer between −20 and 19 (both inclusive)

Default:

```
10
```

Declared by:

<nixpkgs/nixos/modules/services/networking/freenet.nix>

services.freeradius.enable

Whether to enable the freeradius server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/freeradius.nix>

services.freeradius.package
The freeradius package to use.

Type: package

Default:

```
pkgs.freeradius
```

Declared by:
<nixpkgs/nixos/modules/services/networking/freeradius.nix>

services.freeradius.configDir
The path of the freeradius server configuration directory.

Type: absolute path

Default:

```
"/etc/raddb"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/freeradius.nix>

services.freeradius.debug
Whether to enable debug logging for freeradius (−xx option). This should not be left on, since it includes sensitive data such as passwords in the logs.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/freeradius.nix>

services.freeswitch.enable
Whether to enable FreeSWITCH.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/freeswitch.nix>

services.freeswitch.enableReload
Issue the ‘reloadxml’ command to FreeSWITCH when configuration directory changes (instead of restart). See **FreeSWITCH documentation** for more info. The configuration directory is exposed at */etc/freeswitch*. See also ‘systemd.services.*.restartIfChanged’.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/freeswitch.nix>

services.freeswitch.package
The freeswitch package to use.

Type: package

Default:

```
pkgs.freeswitch
```

Declared by:
<nixpkgs/nixos/modules/services/misc/freeswitch.nix>

services.freeswitch.configDir
Override file in FreeSWITCH config template directory. Each top−level attribute denotes a file path in the configuration directory, its value is the file path. See **FreeSWITCH documentation** for more info. Also check available templates in **FreeSWITCH repository**.

Type: attribute set of absolute path

Default:

```
{ }
```

Example:

```
{
  "freeswitch.xml" = ./freeswitch.xml;
  "dialplan/default.xml" = pkgs.writeText "dialplan−default.xml" ’ \
’
    [xml lines]
  ’’;
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/freeswitch.nix>

services.freeswitch.configTemplate
Configuration template to use. See available templates in **FreeSWITCH repository**. You can also set your own configuration directory.

Type: absolute path

Default:

```
"${config.services.freeswitch.package}/share/freeswitch/conf/vanill \
a"
```

Example:

```
"${config.services.freeswitch.package}/share/freeswitch/conf/minima \
l"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/freeswitch.nix>

services.freshrss.enable
Whether to enable FreshRSS RSS aggregator and reader with php−fpm backend.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/freshrss.nix>

services.freshrss.package
The freshrss package to use.

Type: package

Default:

```
pkgs.freshrss
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/freshrss.nix>

services.freshrss.api.enable
Whether to enable API access for mobile apps and third−party clients (Google Reader API and Fever API). Users must set individual API passwords in their profile settings.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/freshrss.nix>

services.freshrss.authType
Authentication type for FreshRSS.

Type: one of “form”, “http_auth”, “none”

Default:

```
"form"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/freshrss.nix>

services.freshrss.baseUrl
Default URL for FreshRSS.

Type: string

Example:

```
"https://freshrss.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/freshrss.nix>

services.freshrss.dataDir
Default data folder for FreshRSS.

Type: string

Default:

```
"/var/lib/freshrss"
```

Example:

```
"/mnt/freshrss"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/freshrss.nix>

services.freshrss.database.host
Database host for FreshRSS.

Type: null or string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/freshrss.nix>

services.freshrss.database.name
Database name for FreshRSS.

Type: null or string

Default:

```
"freshrss"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/freshrss.nix>

services.freshrss.database.passFile
Database password file for FreshRSS.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/freshrss"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/freshrss.nix>

services.freshrss.database.port
Database port for FreshRSS.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Example:

```
3306
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/freshrss.nix>

services.freshrss.database.tableprefix
Database table prefix for FreshRSS.

Type: null or string

Default:

```
null
```

Example:

```
"freshrss"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/freshrss.nix>

services.freshrss.database.type
Database type.

Type: one of “sqlite”, “pgsql”, “mysql”

Default:

```
"sqlite"
```

Example:

```
"pgsql"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/freshrss.nix>

services.freshrss.database.user
Database user for FreshRSS.

Type: null or string

Default:

```
"freshrss"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/freshrss.nix>

services.freshrss.defaultUser
Default username for FreshRSS.

Type: string

Default:

```
"admin"
```

Example:

```
"eva"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/freshrss.nix>

services.freshrss.extensions
Additional extensions to be used.

Type: list of package

Default:

```
[]
```

Example:

```
with freshrss-extensions; [
  youtube
] ++ [
  (freshrss-extensions.buildFreshRssExtension {
    FreshRssExtUniqueId = "ReadingTime";
    pname = "reading-time";
    version = "1.5";
    src = pkgs.fetchFromGitLab {
      domain = "framagit.org";
```

```
            owner = "Lapineige";
            repo = "FreshRSS_Extension-ReadingTime";
            rev = "fb6e9e944ef6c5299fa56ffddbe04c41e5a34ebf";
           hash = "sha256-C5cRfaphx4Qz2xg2z+v5qRji8WVSIpvzMbethTdSqsk=";
         };
        })
      ]
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/freshrss.nix>

services.freshrss.language
Default language for FreshRSS.

Type: string

Default:

```
"en"
```

Example:

```
"de"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/freshrss.nix>

services.freshrss.passwordFile
Password for the defaultUser for FreshRSS.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/freshrss"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/freshrss.nix>

services.freshrss.pool
Name of the php-fpm pool to use and setup. If not specified, a pool will be created with default values.

Type: null or string

Default:

```
"freshrss"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/freshrss.nix>

services.freshrss.user
User under which FreshRSS runs.

Type: string

Default:

```
"freshrss"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/freshrss.nix>

services.freshrss.virtualHost

Name of the caddy/nginx virtualhost to use and setup.

Type: string

Default:

```
"freshrss"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/freshrss.nix>

services.freshrss.webserver

Whether to use nginx or caddy for virtual host management.

Further nginx configuration can be done by adapting ‘services.nginx.virtualHosts.<name>’. See **services.nginx.virtualHosts** for further information.

Further caddy configuration can be done by adapting ‘services.caddy.virtualHosts.<name>’. See **services.caddy.virtualHosts** for further information.

Type: one of “nginx”, “caddy”

Default:

```
"nginx"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/freshrss.nix>

services.frigate.enable

Whether to enable Frigate NVR.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/video/frigate.nix>

services.frigate.package

The frigate package to use.

Type: package

Default:

```
pkgs.frigate
```

Declared by:

<nixpkgs/nixos/modules/services/video/frigate.nix>

services.frigate.checkConfig

Whether to check the configuration at build time.

Type: boolean

Default:

```
pkgs.stdenv.buildPlatform.canExecute pkgs.stdenv.hostPlatform && !( \
pkgs.stdenv.hostPlaform.isAarch64)
```

Declared by:
<nixpkgs/nixos/modules/services/video/frigate.nix>

services.frigate.hostname
Hostname of the nginx vhost to configure.

Only nginx is supported by upstream for direct reverse proxying.

Type: string

Example:

```
"frigate.exampe.com"
```

Declared by:
<nixpkgs/nixos/modules/services/video/frigate.nix>

services.frigate.preCheckConfig
This script gets run before the config is checked. It can be used to, e.g., set environment variables needed or transform the config (available as '$out') to make it checkable in the sandbox.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/video/frigate.nix>

services.frigate.settings
Frigate configuration as a nix attribute set.

See the project documentation for how to configure frigate.

- **Creating a config file**
- **Configuration reference**

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/video/frigate.nix>

services.frigate.settings.cameras
Attribute set of cameras configurations.

https://docs.frigate.video/configuration/cameras

Type: attribute set of (open submodule of (YAML 1.1 value))

Declared by:
<nixpkgs/nixos/modules/services/video/frigate.nix>

services.frigate.settings.cameras.<name>.ffmpeg.inputs
List of inputs for this camera.

Type: list of (open submodule of (YAML 1.1 value))

Declared by:
<nixpkgs/nixos/modules/services/video/frigate.nix>

services.frigate.settings.cameras.<name>.ffmpeg.inputs.*.path
Stream URL

Type: string

Example:

```
"rtsp://192.0.2.1:554/rtsp"
```

Declared by:
<nixpkgs/nixos/modules/services/video/frigate.nix>

services.frigate.settings.cameras.<name>.ffmpeg.inputs.*.roles
List of roles for this stream

Type: list of (one of “audio”, “detect”, “record”)

Default:

```
[ ]
```

Example:

```
[
  "detect"
  "record"
]
```

Declared by:
<nixpkgs/nixos/modules/services/video/frigate.nix>

services.frigate.settings.database.path
Path to the SQLite database used

Type: absolute path

Default:

```
"/var/lib/frigate/frigate.db"
```

Declared by:
<nixpkgs/nixos/modules/services/video/frigate.nix>

services.frigate.settings.ffmpeg.path
Package providing the ffmpeg and ffprobe executables below the bin/ directory.

Type: string or package convertible to it

Default:

```
<derivation ffmpeg-headless-8.0.1>
```

Example:

```
pkgs.ffmpeg-full
```

Declared by:
<nixpkgs/nixos/modules/services/video/frigate.nix>

services.frigate.settings.mqtt.enabled
Whether to enable MQTT support.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/video/frigate.nix>

services.frigate.settings.mqtt.host
MQTT server hostname

Type: null or string

Default:

```
null
```

Example:

```
"mqtt.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/video/frigate.nix>

services.frigate.vaapiDriver
Force usage of a particular VA−API driver for video acceleration. Use together with 'settings.ffmpeg.hwaccel_args'.

Setting this *is not required* for VA−API to work, but it can help steer VA−API towards the correct card if you have multiple.

> **Note**
> For VA−API to work you must enable **hardware.graphics.enable** (sufficient for AMDGPU) and pass for example 'pkgs.intel−media−driver' (required for Intel 5th Gen. and newer) into **hardware.graphics.extraPackages**.

See also:

- **https://docs.frigate.video/configuration/hardware_acceleration**
- **https://docs.frigate.video/configuration/ffmpeg_presets#hwaccel−presets**

Type: null or one of "i965", "iHD", "nouveau", "vdpau", "nvidia", "radeonsi"

Default:

```
null
```

Example:

```
"radeonsi"
```

Declared by:
<nixpkgs/nixos/modules/services/video/frigate.nix>

services.froide−govplan.enable
Whether to enable Gouvernment planer web app Govplan.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/froide−govplan.nix>

services.froide−govplan.package
The froide−govplan package to use.

Type: package

Default:

```
pkgs.froide-govplan
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/froide−govplan.nix>

services.froide−govplan.dataDir
Directory to store the Froide−Govplan server data.

Type: string

Default:

```
"/var/lib/froide-govplan"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/froide−govplan.nix>

services.froide−govplan.hostName
FQDN for the froide−govplan instance.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/froide−govplan.nix>

services.froide−govplan.secretKeyFile
Path to a file containing the secret key.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/froide−govplan.nix>

services.froide−govplan.settings
Configuration options to set in ‘extra_settings.py’.

Type: open submodule of attribute set of (Python value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/froide−govplan.nix>

services.froide−govplan.settings.ALLOWED_HOSTS
A list of valid fully−qualified domain names (FQDNs) and/or IP addresses that can be used to reach the Froide−Govplan service.

Type: list of string

Default:

```
[
  "*"
```

```
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/froide−govplan.nix>

services.frp.package
The frp package to use.

Type: package

Default:

```
pkgs.frp
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frp.nix>

services.frp.instances
Frp instances.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frp.nix>

services.frp.instances.<name>.enable
Whether to enable frp.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frp.nix>

services.frp.instances.<name>.environmentFiles
List of paths files that follows systemd environmentfile structure. Can be used to pass secrets to settings attribute.

Example content of a file: SECRET_TOKEN=1234

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frp.nix>

services.frp.instances.<name>.role
The frp consists of ‘client’ and ‘server’. The server is usually deployed on the machine with a public IP address, and the client is usually deployed on the machine where the Intranet service to be penetrated resides.

Type: one of “server”, “client”

Declared by:
<nixpkgs/nixos/modules/services/networking/frp.nix>

services.frp.instances.<name>.settings
Frp configuration, for configuration options see the example of **client** or **server** on github.

Type: TOML value

Default:

```
{ }
```

Example:

```
{
  proxies = [
    {
      localIP = "127.0.0.1";
      localPort = 22;
      name = "ssh";
      remotePort = 6000;
      type = "tcp";
    }
  ];
  serverAddr = "x.x.x.x";
  serverPort = 7000;
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frp.nix>

services.frr.babeld.enable
Whether to enable FRR babeld.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.babeld.extraOptions
Extra options to be appended to the FRR babeld daemon options.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.babeld.options
Options for the FRR babeld daemon.

Type: list of string

Default:

```
[
```

```
  "-A 127.0.0.1"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.bfdd.enable
Whether to enable FRR bfdd.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.bfdd.extraOptions
Extra options to be appended to the FRR bfdd daemon options.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.bfdd.options
Options for the FRR bfdd daemon.

Type: list of string

Default:

```
[
  "-A 127.0.0.1"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.bgpd.enable
Whether to enable FRR bgpd.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.bgpd.extraOptions

Extra options to be appended to the FRR bgpd daemon options.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.bgpd.options

Options for the FRR bgpd daemon.

Type: list of string

Default:

```
[
  "-A 127.0.0.1"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.config

FRR configuration statements.

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
router rip
  network 10.0.0.0/8
router ospf
  network 10.0.0.0/8 area 0
router bgp 65001
  neighbor 10.0.0.1 remote-as 65001
```

Declared by:

<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.configFile

Configuration file to use for FRR. By default the NixOS generated files are used.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/etc/frr/frr.conf"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.eigrpd.enable

Whether to enable FRR eigrpd.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.eigrpd.extraOptions

Extra options to be appended to the FRR eigrpd daemon options.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.eigrpd.options

Options for the FRR eigrpd daemon.

Type: list of string

Default:

```
[
  "-A 127.0.0.1"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.fabricd.enable

Whether to enable FRR fabricd.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.fabricd.extraOptions

Extra options to be appended to the FRR fabricd daemon options.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.fabricd.options
Options for the FRR fabricd daemon.

Type: list of string

Default:

```
[
  "-A 127.0.0.1"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.isisd.enable
Whether to enable FRR isisd.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.isisd.extraOptions
Extra options to be appended to the FRR isisd daemon options.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.isisd.options
Options for the FRR isisd daemon.

Type: list of string

Default:

```
[
  "-A 127.0.0.1"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.ldpd.enable
Whether to enable FRR ldpd.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.ldpd.extraOptions

Extra options to be appended to the FRR ldpd daemon options.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.ldpd.options

Options for the FRR ldpd daemon.

Type: list of string

Default:

```
[
  "-A 127.0.0.1"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.mgmtd.extraOptions

Extra options to be appended to the FRR mgmtd daemon options.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.mgmtd.options

Options for the FRR mgmtd daemon.

Type: list of string

Default:

```
[
  "-A 127.0.0.1"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.nhrpd.enable

Whether to enable FRR nhrpd.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.nhrpd.extraOptions
Extra options to be appended to the FRR nhrpd daemon options.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.nhrpd.options
Options for the FRR nhrpd daemon.

Type: list of string

Default:

```
[
  "-A 127.0.0.1"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.openFilesLimit
This is the maximum number of FD's that will be available. Use a reasonable value for your setup if you are expecting a large number of peers in say BGP.

Type: unsigned integer, meaning >=0

Default:

```
1024
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.ospf6d.enable
Whether to enable FRR ospf6d.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.ospf6d.extraOptions
Extra options to be appended to the FRR ospf6d daemon options.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.ospf6d.options
Options for the FRR ospf6d daemon.

Type: list of string

Default:

```
[
  "-A ::1"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.ospfd.enable
Whether to enable FRR ospfd.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.ospfd.extraOptions
Extra options to be appended to the FRR ospfd daemon options.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.ospfd.options
Options for the FRR ospfd daemon.

Type: list of string

Default:

```
[
  "-A 127.0.0.1"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.pathd.enable
Whether to enable FRR pathd.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.pathd.extraOptions

Extra options to be appended to the FRR pathd daemon options.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.pathd.options

Options for the FRR pathd daemon.

Type: list of string

Default:

```
[
  "-A 127.0.0.1"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.pbrd.enable

Whether to enable FRR pbrd.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.pbrd.extraOptions

Extra options to be appended to the FRR pbrd daemon options.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.pbrd.options

Options for the FRR pbrd daemon.

Type: list of string

Default:

```
[
  "-A 127.0.0.1"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.pim6d.enable
Whether to enable FRR pim6d.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.pim6d.extraOptions
Extra options to be appended to the FRR pim6d daemon options.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.pim6d.options
Options for the FRR pim6d daemon.

Type: list of string

Default:

```
[
  "-A ::1"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.pimd.enable
Whether to enable FRR pimd.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.pimd.extraOptions
Extra options to be appended to the FRR pimd daemon options.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.pimd.options
Options for the FRR pimd daemon.

Type: list of string

Default:

```
[
  "-A 127.0.0.1"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.ripd.enable
Whether to enable FRR ripd.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.ripd.extraOptions
Extra options to be appended to the FRR ripd daemon options.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.ripd.options
Options for the FRR ripd daemon.

Type: list of string

Default:

```
[
  "-A 127.0.0.1"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.ripngd.enable
Whether to enable FRR ripngd.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.ripngd.extraOptions

Extra options to be appended to the FRR ripngd daemon options.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.ripngd.options

Options for the FRR ripngd daemon.

Type: list of string

Default:

```
[
  "-A ::1"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.sharpd.enable

Whether to enable FRR sharpd.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.sharpd.extraOptions

Extra options to be appended to the FRR sharpd daemon options.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.sharpd.options

Options for the FRR sharpd daemon.

Type: list of string

Default:

```
[
  "-A 127.0.0.1"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.staticd.extraOptions
Extra options to be appended to the FRR staticd daemon options.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.staticd.options
Options for the FRR staticd daemon.

Type: list of string

Default:

```
[
  "-A 127.0.0.1"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.vrrpd.enable
Whether to enable FRR vrrpd.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.vrrpd.extraOptions
Extra options to be appended to the FRR vrrpd daemon options.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.vrrpd.options
Options for the FRR vrrpd daemon.

Type: list of string

Default:

```
[
  "-A 127.0.0.1"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.zebra.extraOptions
Extra options to be appended to the FRR zebra daemon options.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frr.nix>

services.frr.zebra.options
Options for the FRR zebra daemon.

Type: list of string

Default:

```
[
  "-A 127.0.0.1 -s 90000000"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/frr.nix>

services.fstrim.enable
Whether to enable periodic SSD TRIM of mounted partitions in background.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/fstrim.nix>

services.fstrim.interval
How often we run fstrim. For most desktop and server systems a sufficient trimming frequency is once a week.

The format is described in **systemd.time**(7).

Type: string

Default:

```
"weekly"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/fstrim.nix>

services.fusionInventory.enable
Whether to enable Fusion Inventory Agent.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/fusion−inventory.nix>

services.fusionInventory.extraConfig
Configuration that is injected verbatim into the configuration file.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/fusion−inventory.nix>

services.fusionInventory.servers
The urls of the OCS/GLPI servers to connect to.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/fusion−inventory.nix>

services.fwupd.enable
Whether to enable fwupd, a DBus service that allows applications to update firmware.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/fwupd.nix>

services.fwupd.package
The fwupd package to use.

Type: package

Default:

```
pkgs.fwupd
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/fwupd.nix>

services.fwupd.daemonSettings
Configurations for the fwupd daemon.

Type: open submodule of section of an INI file (attrs of INI atom (null, bool, int, float or string) or a non−empty list of them)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/fwupd.nix>

services.fwupd.daemonSettings.DisabledDevices

List of device GUIDs to be disabled.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "2082b5e0-7a64-478a-b1b2-e3404fab6dad"
]
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/fwupd.nix>

services.fwupd.daemonSettings.DisabledPlugins

List of plugins to be disabled.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "udev"
]
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/fwupd.nix>

services.fwupd.daemonSettings.EspLocation

The EFI system partition (ESP) path used if UDisks is not available or if this partition is not mounted at /boot/efi, /boot, or /efi

Type: absolute path

Default:

```
config.boot.loader.efi.efiSysMountPoint
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/fwupd.nix>

services.fwupd.extraRemotes

Enables extra remotes in fwupd. See ‘/etc/fwupd/remotes.d’.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "lvfs-testing"
]
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/fwupd.nix>

services.fwupd.extraTrustedKeys

Installing a public key allows firmware signed with a matching private key to be recognized as trusted, which may require less authentication to install than for untrusted files. By default trusted firmware can be upgraded (but not downgraded) without the user or administrator password. Only very few keys are installed by default.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[ /etc/nixos/fwupd/myfirmware.pem ]
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/fwupd.nix>

services.fwupd.uefiCapsuleSettings

UEFI capsule configurations for the fwupd daemon.

Type: open submodule of section of an INI file (attrs of INI atom (null, bool, int, float or string) or a non−empty list of them)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/fwupd.nix>

services.g3proxy.enable

Whether to enable g3proxy, a generic purpose forward proxy.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/g3proxy.nix>

services.g3proxy.package

The g3proxy package to use.

Type: package

Default:

```
pkgs.g3proxy
```

Declared by:

<nixpkgs/nixos/modules/services/networking/g3proxy.nix>

services.g3proxy.settings

Settings of g3proxy.

Type: YAML 1.1 value

Default:

```
{ }
```

Example:

```
{
  server = [{
    name = "test";
    escaper = "default";
    type = "socks_proxy";
    listen = {
      address = "[::]:10086";
    };
  }];
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/g3proxy.nix>

services.g810−led.enable
Whether to enable g810−led, a Linux LED controller for some Logitech G Keyboards.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/g810−led.nix>

services.g810−led.package
The g810−led package to use.

Type: package

Default:

```
pkgs.g810−led
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/g810−led.nix>

services.g810−led.earlySetup
Whether to enable g810−led in early stage initrd.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/g810−led.nix>

services.g810−led.profile
Keyboard profile to apply at boot time.

The upstream repository provides **example configurations**.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
# G810-LED Profile (turn all keys on)

# Set all keys on
a ffffff

# Commit changes
c
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/g810-led.nix>

services.galene.enable
Whether to enable Galene Service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/galene.nix>

services.galene.package
The galene package to use.

Type: package

Default:

```
pkgs.galene
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/galene.nix>

services.galene.certFile
Path to the server's certificate. The file is copied at runtime to Galene's data directory where it needs to reside.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/path/to/your/cert.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/galene.nix>

services.galene.dataDir
Data directory.

Type: absolute path

Default:

```
"${config.services.galene.stateDir}/data"
```

Example:

```
"/var/lib/galene/data"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/galene.nix>

services.galene.group
Group under which galene runs.

Type: string

Default:

```
"galene"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/galene.nix>

services.galene.groupsDir
Web server directory.

Type: absolute path

Default:

```
"${config.services.galene.stateDir}/groups"
```

Example:

```
"/var/lib/galene/groups"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/galene.nix>

services.galene.httpAddress
HTTP listen address for galene.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/galene.nix>

services.galene.httpPort
HTTP listen port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8443
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/galene.nix>

services.galene.insecure
Whether Galene should listen in http or in https. If left as the default value (false), Galene needs to be fed a private key and a certificate.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/galene.nix>

services.galene.keyFile
Path to the server's private key. The file is copied at runtime to Galene's data directory where it needs to reside.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/path/to/your/key.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/galene.nix>

services.galene.recordingsDir
Recordings directory.

Type: absolute path

Default:

```
"${config.services.galene.stateDir}/recordings"
```

Example:

```
"/var/lib/galene/recordings"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/galene.nix>

services.galene.stateDir
The directory where Galene stores its internal state. If left as the default value this directory will automatically be created before the Galene server starts, otherwise the sysadmin is responsible for ensuring the directory exists with appropriate ownership and permissions.

Type: absolute path

Default:

```
"/var/lib/galene"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/galene.nix>

services.galene.staticDir
Web server directory.

Type: absolute path

Default:

```
"${package.static}/static"
```

Example:

```
"/var/lib/galene/static"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/galene.nix>

services.galene.turnAddress

Built−in TURN server listen address and port. Set to “” to disable.

Type: string

Default:

```
"auto"
```

Example:

```
"127.0.0.1:1194"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/galene.nix>

services.galene.user

User account under which galene runs.

Type: string

Default:

```
"galene"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/galene.nix>

services.gammu−smsd.enable

Whether to enable gammu−smsd daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/gammu−smsd.nix>

services.gammu−smsd.backend.files.errorSMSPath

Where SMSes with error in transmission is placed

Type: absolute path

Default:

```
"/var/spool/sms/error/"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/gammu−smsd.nix>

services.gammu−smsd.backend.files.inboxPath

Where the received SMSes are stored

Type: absolute path

Default:

```
"/var/spool/sms/inbox/"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/gammu−smsd.nix>

services.gammu−smsd.backend.files.outboxPath
Where SMSes to be sent should be placed

Type: absolute path

Default:

```
"/var/spool/sms/outbox/"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gammu−smsd.nix>

services.gammu−smsd.backend.files.sentSMSPath
Where the transmitted SMSes are placed

Type: absolute path

Default:

```
"/var/spool/sms/sent/"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gammu−smsd.nix>

services.gammu−smsd.backend.service
Service to use to store sms data.

Type: one of “null”, “files”, “sql”

Default:

```
"null"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gammu−smsd.nix>

services.gammu−smsd.backend.sql.database
Database name to store sms data

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gammu−smsd.nix>

services.gammu−smsd.backend.sql.driver
DB driver to use

Type: one of “native_mysql”, “native_pgsql”, “odbc”, “dbi”

Declared by:
<nixpkgs/nixos/modules/services/misc/gammu−smsd.nix>

services.gammu−smsd.backend.sql.host
Database server address

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gammu−smsd.nix>

services.gammu−smsd.backend.sql.password
User password used for connection to the database

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gammu−smsd.nix>

services.gammu−smsd.backend.sql.sqlDialect
SQL dialect to use (odbc driver only)

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gammu−smsd.nix>

services.gammu−smsd.backend.sql.user
User name used for connection to the database

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gammu−smsd.nix>

services.gammu−smsd.device.connection
Protocol which will be used to talk to the phone

Type: string

Default:

```
"at"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gammu−smsd.nix>

services.gammu−smsd.device.group
Owner group of the device

Type: string

Default:

```
"root"
```

Example:

```
"dialout"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gammu−smsd.nix>

services.gammu−smsd.device.path
Device node or address of the phone

Type: absolute path

Example:

```
"/dev/ttyUSB2"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gammu−smsd.nix>

services.gammu−smsd.device.pin
PIN code for the simcard

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gammu−smsd.nix>

services.gammu−smsd.device.synchronizeTime
Whether to set time from computer to the phone during starting connection

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gammu−smsd.nix>

services.gammu−smsd.extraConfig.gammu
Extra config lines to be added into [gammu] section

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gammu−smsd.nix>

services.gammu−smsd.extraConfig.smsd
Extra config lines to be added into [smsd] section

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gammu−smsd.nix>

services.gammu−smsd.log.file
Path to file where information about communication will be stored

Type: string

Default:

```
"syslog"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gammu-smsd.nix>

services.gammu-smsd.log.format
Determines what will be logged to the LogFile

Type: one of “nothing”, “text”, “textall”, “textalldate”, “errors”, “errorsdate”, “binary”

Default:

```
"errors"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gammu-smsd.nix>

services.gammu-smsd.user
User that has access to the device

Type: string

Default:

```
"smsd"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gammu-smsd.nix>

services.gancio.enable
Whether to enable Gancio, a shared agenda for local communities.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/gancio.nix>

services.gancio.package
The gancio package to use.

Type: package

Default:

```
pkgs.gancio
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/gancio.nix>

services.gancio.nginx
Extra configuration for the nginx virtual host of gancio.

Type: submodule

Default:

```
{ }
```

Example:

```
{
  enableACME = false;
  forceSSL = false;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.enableACME
Whether to ask Let's Encrypt to sign a certificate for this vhost. Alternately, you can use an existing certificate through **useACMEHost**.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.acmeFallbackHost
Host which to proxy requests to if ACME challenge is not found. Useful if you want multiple hosts to be able to verify the same domain name.

With this option, you could request certificates for the present domain with an ACME client that is running on another host, which you would specify here.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.acmeRoot
Directory for the ACME challenge, which is **public**. Don't put certs or keys in here. Set to null to inherit from config.security.acme.

Type: null or string

Default:

```
"/var/lib/acme/acme−challenge"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.addSSL
Whether to enable HTTPS in addition to plain HTTP. This will set defaults for 'listen' to listen on all interfaces on the respective default ports (80, 443).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.basicAuth
Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.basicAuthFile
Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.default
Makes this vhost the default.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.extraConfig
These lines go to the end of the vhost verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.forceSSL
Whether to add a separate nginx server block that redirects (defaults to 301, configurable with ‘redirectCode’) all plain HTTP traffic to HTTPS. This will set defaults for ‘listen’ to listen on all interfaces on the respective default ports (80, 443), where the non−SSL listens are used for the redirect vhosts.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.globalRedirect
If set, all requests for this host are redirected (defaults to 301, configurable with ‘redirectCode’) to the given hostname.

Type: null or string

Default:

```
null
```

Example:

```
"newserver.example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.http2
Whether to enable the HTTP/2 protocol. Note that (as of writing) due to nginx's implementation, to disable HTTP/2 you have to disable it on all vhosts that use a given IP address / port. If there is one server block configured to enable http2, then it is enabled for all server blocks on this IP. See **https://stackoverflow.com/a/39466948/263061**.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.http3
Whether to enable the HTTP/3 protocol. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that HTTP/3 support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/** HTTP/3 availability must be manually advertised, preferably in each location block.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.http3_hq
Whether to enable the HTTP/0.9 protocol negotiation used in QUIC interoperability tests. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that special application protocol support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.kTLS
Whether to enable kTLS support. Implementing TLS in the kernel (kTLS) improves performance by significantly reducing the need for copying operations between user space and the kernel. Required Nginx version 1.21.4 or later.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.listen
Listen addresses and ports for this virtual host. IPv6 addresses must be enclosed in square brackets. Note: this option overrides ‘addSSL’ and ‘onlySSL’.

If you only want to set the addresses manually and not the ports, take a look at ‘listenAddresses’.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    addr = "195.154.1.1";
    port = 443;
    ssl = true;
  }
  {
    addr = "192.154.1.1";
    port = 80;
  }
  {
    addr = "unix:/var/run/nginx.sock";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.listen.*.addr
Listen address.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.listen.*.extraParameters
Extra parameters of this listen directive.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "backlog=1024"
  "deferred"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.listen.*.port

Port number to listen on. If unset and the listen address is not a socket then nginx defaults to 80.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.listen.*.proxyProtocol

Enable PROXY protocol.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.listen.*.ssl

Enable SSL.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.listenAddresses

Listen addresses for this virtual host. Compared to ‘listen’ this only sets the addresses and the ports are chosen automatically.

Note: This option overrides ‘networking.enableIPv6’

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "127.0.0.1"
  "[::1]"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.locations

Declarative location config

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
```

```
  "/" = {
    proxyPass = "http://localhost:3000";
  };
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.locations.<name>.alias
Alias directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/alias/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.locations.<name>.basicAuth
Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.locations.<name>.basicAuthFile
Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.locations.<name>.extraConfig
These lines go to the end of the location verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.locations.<name>.fastcgiParams
FastCGI parameters to override. Unlike in the Nginx configuration file, overriding only some default parameters won't unset the default values for other parameters.

Type: attribute set of (string or absolute path)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.locations.<name>.index
Adds index directive.

Type: null or string

Default:

```
null
```

Example:

```
"index.php index.html"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.locations.<name>.priority
Order of this location block in relation to the others in the vhost. The semantics are the same as with 'lib.mkOrder'. Smaller values have a greater priority.

Type: signed integer

Default:

```
1000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.locations.<name>.proxyPass
Adds proxy_pass directive and sets recommended proxy headers if recommendedProxySettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"http://www.example.org/"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.locations.<name>.proxyWebsockets
Whether to support proxying websocket connections with HTTP/1.1.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.locations.<name>.recommendedProxySettings
Enable recommended proxy settings.

Type: boolean

Default:

```
config.services.nginx.recommendedProxySettings
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.locations.<name>.recommendedUwsgiSettings
Enable recommended uwsgi settings.

Type: boolean

Default:

```
config.services.nginx.recommendedUwsgiSettings
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.locations.<name>.return
Adds a return directive, for e.g. redirections.

Type: null or string or signed integer

Default:

```
null
```

Example:

```
"301 http://example.com$request_uri"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.locations.<name>.root
Root directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/root/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.locations.<name>.tryFiles
Adds try_files directive.

Type: null or string

Default:

```
null
```

Example:

```
"$uri =404"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.locations.<name>.uwsgiPass

Adds uwsgi_pass directive and sets recommended proxy headers if recommendedUwsgiSettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"unix:/run/example/example.sock"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.onlySSL

Whether to enable HTTPS and reject plain HTTP connections. This will set defaults for 'listen' to listen on all interfaces on port 443.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.quic

Whether to enable the QUIC transport protocol. Note that QUIC support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.redirectCode

HTTP status used by 'globalRedirect' and 'forceSSL'. Possible usecases include temporary (302, 307) redirects, keeping the request method and body (307, 308), or explicitly resetting the method to GET (303). See **https://developer.mozilla.org/en−US/docs/Web/HTTP/Redirections**.

Type: integer between 300 and 399 (both inclusive)

Default:

```
301
```

Example:

```
308
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.rejectSSL

Whether to listen for and reject all HTTPS connections to this vhost. Useful in **default** server blocks to avoid serving the certificate for another vhost. Uses the 'ssl_reject_handshake' directive available in nginx versions 1.19.4 and above.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.reuseport

Create an individual listening socket . It is required to specify only once on one of the hosts.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.root

The path of the web root directory.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/data/webserver/docs"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.serverAliases

Additional names of virtual hosts served by this virtual host configuration.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
  "example.org"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.serverName

Name of this virtual host. Defaults to attribute name in virtualHosts.

Type: null or string

Default:

```
null
```

Example:

```
"example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.sslCertificate
Path to server SSL certificate.

Type: absolute path

Example:

```
"/var/host.cert"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.sslCertificateKey
Path to server SSL certificate key.

Type: absolute path

Example:

```
"/var/host.key"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.sslTrustedCertificate
Path to root SSL certificate for stapling and client certificates.

Type: null or absolute path

Default:

```
null
```

Example:

```
"${pkgs.cacert}/etc/ssl/certs/ca−bundle.crt"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.nginx.useACMEHost
A host of an existing Let's Encrypt certificate to use. This is useful if you have many subdomains and want to avoid hitting the **rate limit**. Alternately, you can generate a certificate through **enableACME**. *Note that this option does not create any certificates, nor it does add subdomains to existing ones – you will need to create them manually using* **security.acme.certs**[2].

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

2. see the **security.acme.certs** option

services.gancio.plugins

Paths of gancio plugins to activate (linked under $WorkingDirectory/plugins/).

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.gancioPlugins.telegram-bridge ]
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/gancio.nix>

services.gancio.settings

Configuration for Gancio, see **https://gancio.org/install/config** for supported values.

Type: open submodule of (JSON value)

Declared by:

<nixpkgs/nixos/modules/services/web-apps/gancio.nix>

services.gancio.settings.baseurl

The full URL under which the server is reachable.

Type: string

Default:

```
"https://${config.services.gancio.settings.hostname}"
```

Example:

```
"https://demo.gancio.org/gancio"
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/gancio.nix>

services.gancio.settings.db.database

Name of the PostgreSQL database

Type: null or string *(read only)*

Default:

```
"if config.services.gancio.settings.db.dialect == \"postgres\" th \
en cfg.user else null"
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/gancio.nix>

services.gancio.settings.db.dialect

The database dialect to use

Type: one of “sqlite”, “postgres”

Default:

```
"sqlite"
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/gancio.nix>

services.gancio.settings.db.host
Connection string for the PostgreSQL database

Type: null or string *(read only)*

Default:

```
"if config.services.gancio.settings.db.dialect == \"postgres\" th \
en \"/run/postgresql\" else null"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.settings.db.storage
Location for the SQLite database.

Type: null or string *(read only)*

Default:

```
"if config.services.gancio.settings.db.dialect == \"sqlite\" then \
 \"/var/lib/gancio/db.sqlite\" else null"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.settings.hostname
The domain name under which the server is reachable.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.settings.log_level
Gancio log level.

Type: one of “debug”, “info”, “warning”, “error”

Default:

```
"info"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.settings.log_path
Directory Gancio logs into

Type: string *(read only)*

Default:

```
"/var/log/gancio"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.settings.server.socket
The unix socket for the gancio server to listen on.

Type: absolute path *(read only)*

Default:

```
"/run/gancio/socket"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.user
The user (and PostgreSQL database name) used to run the gancio server

Type: string

Default:

```
"gancio"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.gancio.userLocale
Override default locales within gancio. See **default languages and locales**.

Type: attribute set of attribute set of attribute set of string

Default:

```
{ }
```

Example:

```
{
  en = {
    register = {
      description = "My new registration page description";
    };
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gancio.nix>

services.garage.enable
Whether to enable Garage Object Storage (S3 compatible).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/garage.nix>

services.garage.package
Garage package to use, needs to be set explicitly. If you are upgrading from a major version, please read NixOS and Garage release notes for upgrade instructions.

Type: package

Declared by:
<nixpkgs/nixos/modules/services/web−servers/garage.nix>

services.garage.environmentFile

File containing environment variables to be passed to the Garage server.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/garage.nix>

services.garage.extraEnvironment

Extra environment variables to pass to the Garage server.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  RUST_BACKTRACE = "yes";
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/garage.nix>

services.garage.logLevel

Garage log level, see **https://garagehq.deuxfleurs.fr/documentation/quick−start/#launching−the−garage−server** for examples.

Type: one of “error”, “warn”, “info”, “debug”, “trace”

Default:

```
"info"
```

Example:

```
"debug"
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/garage.nix>

services.garage.settings

Garage configuration, see **https://garagehq.deuxfleurs.fr/documentation/reference−manual/configuration/** for reference.

Type: open submodule of (TOML value)

Declared by:

<nixpkgs/nixos/modules/services/web−servers/garage.nix>

services.garage.settings.data_dir

The directory in which Garage will store the data blocks of objects. This folder can be placed on an HDD. Since v0.9.0, Garage supports multiple data directories, refer to **https://garagehq.deuxfleurs.fr/documentation/reference−manual/configuration/#data_dir** for the exact format.

Type: absolute path or list of (attribute set)

Default:

```
"/var/lib/garage/data"
```

Example:

```
[
  {
    capacity = "2T";
    path = "/var/lib/garage/data";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/garage.nix>

services.garage.settings.metadata_dir
The metadata directory, put this on a fast disk (e.g. SSD) if possible.

Type: absolute path

Default:

```
"/var/lib/garage/meta"
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/garage.nix>

services.gatus.enable
Whether to enable Gatus.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/gatus.nix>

services.gatus.package
The gatus package to use.

Type: package

Default:

```
pkgs.gatus
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/gatus.nix>

services.gatus.configFile
Path to the Gatus configuration file. Overrides any configuration made using the ‘settings’ option.

Type: absolute path

Default:

```
(pkgs.formats.yaml { }).generate "gatus.yaml" config.services.gatus \
.settings
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/gatus.nix>

services.gatus.environmentFile

File to load as environment file. Environmental variables from this file can be interpolated in the configuration file using '${VARIABLE}'. This is useful to avoid putting secrets into the nix store.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/gatus.nix>

services.gatus.openFirewall

Whether to open the firewall for the Gatus web interface.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/gatus.nix>

services.gatus.settings

Configuration for Gatus. Supported options can be found at the **docs**.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Example:

```
{
  web.port = 8080;
  endpoints = [{
    name = "website";
    url = "https://twin.sh/health";
    interval = "5m";
    conditions = [
      "[STATUS] == 200"
      "[BODY].status == UP"
      "[RESPONSE_TIME] < 300"
    ];
  }];
}
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/gatus.nix>

services.gatus.settings.web.port

The TCP port to serve the Gatus service at.

Type: signed integer

Default:

```
8080
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/gatus.nix>

services.gdomap.enable

Whether to enable GNUstep Distributed Objects name server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/gdomap.nix>

services.gemstash.enable

Whether to enable gemstash, a cache for rubygems.org and a private gem server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/development/gemstash.nix>

services.gemstash.openFirewall

Whether to open the firewall for the port in **services.gemstash.bind**.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/development/gemstash.nix>

services.gemstash.settings

Configuration for Gemstash. The details can be found at in **gemstash documentation**. Each key set here is automatically prefixed with ":" to match the gemstash expectations.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/development/gemstash.nix>

services.gemstash.settings.base_path

Path to store the gem files and the sqlite database. If left unchanged, the directory will be created.

Type: absolute path

Default:

```
"/var/lib/gemstash"
```

Declared by:

<nixpkgs/nixos/modules/services/development/gemstash.nix>

services.gemstash.settings.bind
Host and port combination for the server to listen on.

Type: string

Default:

```
"tcp://0.0.0.0:9292"
```

Declared by:
<nixpkgs/nixos/modules/services/development/gemstash.nix>

services.gemstash.settings.db_adapter
Which database type to use. For choices other than sqlite3, the dbUrl has to be specified as well.

Type: null or one of “sqlite3”, “postgres”, “mysql”, “mysql2”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/development/gemstash.nix>

services.gemstash.settings.db_url
The database to connect to when using postgres, mysql, or mysql2.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/development/gemstash.nix>

services.geoclue2.enable
Whether to enable GeoClue 2 daemon, a DBus service that provides location information for accessing.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/geoclue2.nix>

services.geoclue2.enable3G
Whether to enable 3G source.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/geoclue2.nix>

services.geoclue2.enableCDMA
Whether to enable CDMA source.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/geoclue2.nix>

services.geoclue2.enableDemoAgent
Whether to use the GeoClue demo agent. This should be overridden by desktop environments that provide their own agent.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/geoclue2.nix>

services.geoclue2.enableModemGPS
Whether to enable Modem−GPS source.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/geoclue2.nix>

services.geoclue2.enableNmea
Whether to fetch location from NMEA sources on local network.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/geoclue2.nix>

services.geoclue2.enableStatic
Whether to enable the static source. This source defines a fixed location using the ‘staticLatitude’, ‘staticLongitude’, ‘staticAltitude’, and ‘staticAccuracy’ options.

Setting ‘enableStatic’ to true will disable all other sources, to prevent conflicts. Use ‘lib.mkForce true’ when enabling other sources if for some reason you want to override this.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/geoclue2.nix>

services.geoclue2.enableWifi
Whether to enable WiFi source.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/geoclue2.nix>

services.geoclue2.package
The geoclue2 package to use

Type: package

Default:

```
pkgs.geoclue2
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/geoclue2.nix>

services.geoclue2.appConfig
Specify extra settings per application.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
"com.github.app" = {
  isAllowed = true;
  isSystem = true;
  users = [ "300" ];
};
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/geoclue2.nix>

services.geoclue2.appConfig.<name>.desktopID
Desktop ID of the application.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/desktops/geoclue2.nix>

services.geoclue2.appConfig.<name>.isAllowed
Whether the application will be allowed access to location information.

Type: boolean

Declared by:
<nixpkgs/nixos/modules/services/desktops/geoclue2.nix>

services.geoclue2.appConfig.<name>.isSystem
Whether the application is a system component or not.

Type: boolean

Declared by:
<nixpkgs/nixos/modules/services/desktops/geoclue2.nix>

services.geoclue2.appConfig.<name>.users
List of UIDs of all users for which this application is allowed location info access, Defaults to an empty string to allow it for all users.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/geoclue2.nix>

services.geoclue2.geoProviderUrl
The url to the wifi GeoLocation Service.

Type: string

Default:

```
"https://api.beacondb.net/v1/geolocate"
```

Example:

```
"https://www.googleapis.com/geolocation/v1/geolocate?key=YOUR_KEY"
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/geoclue2.nix>

services.geoclue2.staticAccuracy
Accuracy radius in meters to use for the static source.

Type: positive integer or floating point number, meaning >0

Declared by:
<nixpkgs/nixos/modules/services/desktops/geoclue2.nix>

services.geoclue2.staticAltitude
Altitude in meters to use for the static source.

Type: signed integer or floating point number

Declared by:
<nixpkgs/nixos/modules/services/desktops/geoclue2.nix>

services.geoclue2.staticLatitude
Latitude to use for the static source. Defaults to ‘location.latitude’.

Type: integer or floating point number between −90 and 90 (both inclusive)

Declared by:
<nixpkgs/nixos/modules/services/desktops/geoclue2.nix>

services.geoclue2.staticLongitude
Longitude to use for the static source. Defaults to ‘location.longitude’.

Type: integer or floating point number between −180 and 180 (both inclusive)

Declared by:
<nixpkgs/nixos/modules/services/desktops/geoclue2.nix>

services.geoclue2.submissionNick
A nickname to submit network data with. Must be 2−32 characters long.

Type: string

Default:

```
"geoclue"
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/geoclue2.nix>

services.geoclue2.submissionUrl

The url to submit data to a GeoLocation Service.

Type: string

Default:

```
"https://api.beacondb.net/v2/geosubmit"
```

Declared by:

<nixpkgs/nixos/modules/services/desktops/geoclue2.nix>

services.geoclue2.submitData

Whether to submit data to a GeoLocation Service.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/desktops/geoclue2.nix>

services.geoclue2.whitelistedAgents

Desktop IDs (without the .desktop extension) of whitelisted agents.

Type: list of string

Default:

```
[
  "gnome-shell"
  "io.elementary.desktop.agent-geoclue2"
]
```

Declared by:

<nixpkgs/nixos/modules/services/desktops/geoclue2.nix>

services.geoipupdate.enable

Whether to enable periodic downloading of GeoIP databases using geoipupdate .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/geoipupdate.nix>

services.geoipupdate.interval

Update the GeoIP databases at this time / interval. The format is described in **systemd.time**(7).

Type: string

Default:

```
"weekly"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/geoipupdate.nix>

services.geoipupdate.settings

geoipupdate configuration options. See **https://github.com/maxmind/geoipupdate/blob/main/doc/GeoIP.conf.md** for a full list of available options.

Settings containing secret data should be set to an attribute set containing the attribute '_secret' − a string pointing to a file containing the value the option should be set to. See the example to get a better picture of this: in the resulting *GeoIP.conf* file, the 'ProxyUserPassword' key will be set to the contents of the */run/keys/proxy_pass* file.

Type: open submodule of attribute set of (string or signed integer or boolean or list of (string or signed integer or boolean))

Example:

```
{
  AccountID = 200001;
  DatabaseDirectory = "/var/lib/GeoIP";
  LicenseKey = { _secret = "/run/keys/maxmind_license_key"; };
  Proxy = "10.0.0.10:8888";
  ProxyUserPassword = { _secret = "/run/keys/proxy_pass"; };
}
```

Declared by:

<nixpkgs/nixos/modules/services/misc/geoipupdate.nix>

services.geoipupdate.settings.AccountID

Your MaxMind account ID.

Type: signed integer

Declared by:

<nixpkgs/nixos/modules/services/misc/geoipupdate.nix>

services.geoipupdate.settings.DatabaseDirectory

The directory to store the database files in. The directory will be automatically created, the owner changed to 'geoip' and permissions set to world readable. This applies if the directory already exists as well, so don't use a directory with sensitive contents.

Type: absolute path

Default:

```
"/var/lib/GeoIP"
```

Example:

```
"/run/GeoIP"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/geoipupdate.nix>

services.geoipupdate.settings.EditionIDs

List of database edition IDs. This includes new string IDs like 'GeoIP2−City' and old numeric IDs like '106'.

Type: list of (string or signed integer)

Default:

```
[ ]
```

Example:

```
[
  "GeoLite2-ASN"
  "GeoLite2-City"
```

```
  "GeoLite2-Country"
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/geoipupdate.nix>

services.geoipupdate.settings.LicenseKey
A file containing the MaxMind license key.

Always handled as a secret whether the value is wrapped in a '{ _secret = ...; }' attrset or not (refer to **services.geoipupdate.settings** for details).

Type: absolute path or attribute set of absolute path

Declared by:
<nixpkgs/nixos/modules/services/misc/geoipupdate.nix>

services.geph.enable
Whether to enable geph client daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/geph.nix>

services.geph.package
The geph package to use.

Type: package

Default:

```
pkgs.geph
```

Declared by:
<nixpkgs/nixos/modules/services/networking/geph.nix>

services.geph.configFile
Path to the geph config file.

This file contain sensitive credentials, so it must not live in the Nix store.

Type: absolute path not in the Nix store

Declared by:
<nixpkgs/nixos/modules/services/networking/geph.nix>

services.gerbil.environmentFile
Path to a file containing sensitive environment variables for Gerbil. See the **Gerbil Documentation** for more information. These will overwrite anything defined in the config.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/etc/nixos/secrets/gerbil.env"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pangolin.nix>

services.gerbil.port
Specifies the port to listen on for Gerbil.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3004
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pangolin.nix>

services.gerrit.enable
Whether to enable Gerrit service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gerrit.nix>

services.gerrit.package
The gerrit package to use.

Type: package

Default:

```
pkgs.gerrit
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gerrit.nix>

services.gerrit.builtinPlugins
List of builtins plugins to install. Those are shipped in the ‘gerrit.war’ file.

Type: list of (one of “codemirror−editor”, “commit−message−length−validator”, “delete−project”, “download−commands”, “gitiles”, “hooks”, “plugin−manager”, “replication”, “reviewnotes”, “singleusergroup”, “webhooks”)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gerrit.nix>

services.gerrit.jvmHeapLimit
How much memory to allocate to the JVM heap

Type: string

Default:

```
"1024m"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gerrit.nix>

services.gerrit.jvmOpts
A list of JVM options to start gerrit with.

Type: list of string

Default:

```
[
  "-Dlogger.backend_factory=com.google.common.flogger.backend.log \
4j.Log4jBackendFactory#getInstance"
  "-Dlogger.logging_context=com.google.gerrit.server.logging.Logg \
ingContext#getInstance"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gerrit.nix>

services.gerrit.jvmPackage
The jdk21_headless package to use.

Type: package

Default:

```
pkgs.jdk21_headless
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gerrit.nix>

services.gerrit.listenAddress
‘hostname:port’ to listen for HTTP traffic.

This is bound using the systemd socket activation.

Type: string

Default:

```
"[::]:8080"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gerrit.nix>

services.gerrit.plugins
List of plugins to add to Gerrit. Each derivation is a jar file itself where the name of the derivation is the name of plugin.

Type: list of package

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gerrit.nix>

services.gerrit.replicationSettings
Replication configuration. This will be generated to the ‘etc/replication.config’ file.

Type: lazy attribute set of lazy attribute set of (string or boolean or signed integer or list of (string or boolean or signed integer) or lazy attribute set of (string or boolean or signed integer or list of (string or boolean or signed integer)))

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gerrit.nix>

services.gerrit.serverId
Set a UUID that uniquely identifies the server.

This can be generated with ‘nix−shell −p util−linux −−run uuidgen’.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gerrit.nix>

services.gerrit.settings
Gerrit configuration. This will be generated to the ‘etc/gerrit.config’ file.

Type: lazy attribute set of lazy attribute set of (string or boolean or signed integer or list of (string or boolean or signed integer) or lazy attribute set of (string or boolean or signed integer or list of (string or boolean or signed integer)))

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gerrit.nix>

services.geth
Specification of one or more geth instances.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/geth.nix>

services.geth.<name>.enable
Whether to enable Go Ethereum Node.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/geth.nix>

services.geth.<name>.package
The geth package to use.

Type: package

Default:

```
pkgs.go−ethereum.geth
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/geth.nix>

services.geth.<name>.authrpc.enable
Whether to enable Go Ethereum Auth RPC API.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/geth.nix>

services.geth.<name>.authrpc.address
Listen address of Go Ethereum Auth RPC API.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/geth.nix>

services.geth.<name>.authrpc.jwtsecret
Path to a JWT secret for authenticated RPC endpoint.

Type: string

Default:

```
""
```

Example:

```
"/var/run/geth/jwtsecret"
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/geth.nix>

services.geth.<name>.authrpc.port
Port number of Go Ethereum Auth RPC API.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8551
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/geth.nix>

services.geth.<name>.authrpc.vhosts
List of virtual hostnames from which to accept requests.

Type: null or (list of string)

Default:

```
[
  "localhost"
]
```

Example:

```
[
  "localhost"
  "geth.example.org"
]
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/geth.nix>

services.geth.<name>.extraArgs
Additional arguments passed to Go Ethereum.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/geth.nix>

services.geth.<name>.gcmode
Blockchain garbage collection mode.

Type: one of “full”, “archive”

Default:

```
"full"
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/geth.nix>

services.geth.<name>.http.enable
Whether to enable Go Ethereum HTTP API.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/geth.nix>

services.geth.<name>.http.address
Listen address of Go Ethereum HTTP API.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/geth.nix>

services.geth.<name>.http.apis
APIs to enable over WebSocket

Type: null or (list of string)

Default:

```
null
```

Example:

```
[
  "net"
  "eth"
]
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/geth.nix>

services.geth.<name>.http.port
Port number of Go Ethereum HTTP API.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8545
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/geth.nix>

services.geth.<name>.maxpeers
Maximum peers to connect to.

Type: signed integer

Default:

```
50
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/geth.nix>

services.geth.<name>.metrics.enable
Whether to enable Go Ethereum prometheus metrics.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/geth.nix>

services.geth.<name>.metrics.address
Listen address of Go Ethereum metrics service.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/geth.nix>

services.geth.<name>.metrics.port
Port number of Go Ethereum metrics service.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
6060
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/geth.nix>

services.geth.<name>.network
The network to connect to. Mainnet (null) is the default ethereum network.

Type: null or one of “holesky”, “sepolia”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/geth.nix>

services.geth.<name>.port
Port number Go Ethereum will be listening on, both TCP and UDP.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
30303
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/geth.nix>

services.geth.<name>.syncmode
Blockchain sync mode.

Type: one of “snap”, “fast”, “full”, “light”

Default:

```
"snap"
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/geth.nix>

services.geth.<name>.websocket.enable
Whether to enable Go Ethereum WebSocket API.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/geth.nix>

services.geth.<name>.websocket.address
Listen address of Go Ethereum WebSocket API.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/geth.nix>

services.geth.<name>.websocket.apis

APIs to enable over WebSocket

Type: null or (list of string)

Default:

```
null
```

Example:

```
[
  "net"
  "eth"
]
```

Declared by:

<nixpkgs/nixos/modules/services/blockchain/ethereum/geth.nix>

services.geth.<name>.websocket.port

Port number of Go Ethereum WebSocket API.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8546
```

Declared by:

<nixpkgs/nixos/modules/services/blockchain/ethereum/geth.nix>

services.getty.autologinOnce

If enabled the automatic login will only happen in the first tty once per boot. This can be useful to avoid retyping the account password on systems with full disk encrypted.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/ttys/getty.nix>

services.getty.autologinUser

Username of the account that will be automatically logged in at the console. If unspecified, a login prompt is shown as usual.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/ttys/getty.nix>

services.getty.extraArgs

Additional arguments passed to agetty.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
```

```
  "--nohostname"
]
```

Declared by:
<nixpkgs/nixos/modules/services/ttys/getty.nix>

services.getty.greetingLine
Welcome line printed by agetty. The default shows current NixOS version label, machine type and tty.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/ttys/getty.nix>

services.getty.helpLine
Help line printed by agetty below the welcome line. Used by the installation CD to give some hints on how to proceed.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/ttys/getty.nix>

services.getty.loginOptions
Template for arguments to be passed to **login**(1).

See **agetty**(1) for details, including security considerations. If unspecified, agetty will not be invoked with a **--login-options** option.

Type: null or string

Default:

```
null
```

Example:

```
"-h darkstar -- \\u"
```

Declared by:
<nixpkgs/nixos/modules/services/ttys/getty.nix>

services.getty.loginProgram
Path to the login binary executed by agetty.

Type: absolute path

Default:

```
"${pkgs.shadow}/bin/login"
```

Declared by:
<nixpkgs/nixos/modules/services/ttys/getty.nix>

services.ghostunnel.enable
Whether to enable ghostunnel.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ghostunnel.nix>

services.ghostunnel.package
The ghostunnel package to use.

Type: package

Default:

```
pkgs.ghostunnel
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ghostunnel.nix>

services.ghostunnel.servers
Server mode ghostunnels (TLS listener -> plain TCP/UNIX target)

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ghostunnel.nix>

services.ghostunnel.servers.<name>.allowAll
If true, allow all clients, do not check client cert subject.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ghostunnel.nix>

services.ghostunnel.servers.<name>.allowCN
Allow client if common name appears in the list.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ghostunnel.nix>

services.ghostunnel.servers.<name>.allowDNS
Allow client if DNS subject alternative name appears in the list.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ghostunnel.nix>

services.ghostunnel.servers.<name>.allowOU
Allow client if organizational unit name appears in the list.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ghostunnel.nix>

services.ghostunnel.servers.<name>.allowURI

Allow client if URI subject alternative name appears in the list.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ghostunnel.nix>

services.ghostunnel.servers.<name>.cacert

Path to CA bundle file (PEM/X509). Uses system trust store if ‘null’.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ghostunnel.nix>

services.ghostunnel.servers.<name>.cert

Path to certificate (PEM with certificate chain).

Not required if ‘keystore’ is set.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ghostunnel.nix>

services.ghostunnel.servers.<name>.disableAuthentication

Disable client authentication, no client certificate will be required.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ghostunnel.nix>

services.ghostunnel.servers.<name>.extraArguments

Extra arguments to pass to ‘ghostunnel server’

Type: strings concatenated with " "

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ghostunnel.nix>

services.ghostunnel.servers.<name>.key
Path to certificate private key (PEM with private key).

Not required if ‘keystore’ is set.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ghostunnel.nix>

services.ghostunnel.servers.<name>.keystore
Path to keystore (combined PEM with cert/key, or PKCS12 keystore).

NB: storepass is not supported because it would expose credentials via ‘/proc/*/cmdline’.

Specify this or ‘cert’ and ‘key’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ghostunnel.nix>

services.ghostunnel.servers.<name>.listen
Address and port to listen on (can be HOST:PORT, unix:PATH).

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/ghostunnel.nix>

services.ghostunnel.servers.<name>.target
Address to forward connections to (can be HOST:PORT or unix:PATH).

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/ghostunnel.nix>

services.ghostunnel.servers.<name>.unsafeTarget
If set, does not limit target to localhost, 127.0.0.1, [::1], or UNIX sockets.

This is meant to protect against accidental unencrypted traffic on untrusted networks.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ghostunnel.nix>

services.gitDaemon.enable
Enable Git daemon, which allows public hosting of git repositories without any access controls. This is mostly intended for read−only access.

You can allow write access by setting daemon.receivepack configuration item of the repository to true. This is solely meant for a closed LAN setting where everybody is friendly.

If you need any access controls, use something else.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/git−daemon.nix>

services.gitDaemon.package

The git package to use.

Type: package

Default:

```
pkgs.git
```

Declared by:

<nixpkgs/nixos/modules/services/networking/git−daemon.nix>

services.gitDaemon.basePath

Remap all the path requests as relative to the given path. For example, if you set base−path to /srv/git, then if you later try to pull git://example.com/hello.git, Git daemon will interpret the path as /srv/git/hello.git.

Type: string

Default:

```
""
```

Example:

```
"/srv/git/"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/git−daemon.nix>

services.gitDaemon.exportAll

Publish all directories that look like Git repositories (have the objects and refs subdirectories), even if they do not have the git−daemon−export−ok file.

If disabled, you need to touch .git/git−daemon−export−ok in each repository you want the daemon to publish.

Warning: enabling this without a repository whitelist or basePath publishes every git repository you have.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/git−daemon.nix>

services.gitDaemon.group

Group under which Git daemon would be running.

Type: string

Default:

```
"git"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/git−daemon.nix>

services.gitDaemon.listenAddress

Listen on a specific IP address or hostname.

Type: string

Default:

```
""
```

Example:

```
"example.com"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/git−daemon.nix>

services.gitDaemon.options

Extra configuration options to be passed to Git daemon.

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/networking/git−daemon.nix>

services.gitDaemon.port

Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9418
```

Declared by:

<nixpkgs/nixos/modules/services/networking/git−daemon.nix>

services.gitDaemon.repositories

A whitelist of paths of git repositories, or directories containing repositories all of which would be published. Paths must not end in “/”.

Warning: leaving this empty and enabling exportAll publishes all repositories in your filesystem or basePath if specified.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "/srv/git"
  "/home/user/git/repo2"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/git−daemon.nix>

services.gitDaemon.user
User under which Git daemon would be running.

Type: string

Default:

```
"git"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/git-daemon.nix>

services.gitea.enable
Enable Gitea Service.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.package
The gitea package to use.

Type: package

Default:

```
pkgs.gitea
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.appName
Application name.

Type: string

Default:

```
"gitea: Gitea Service"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.camoHmacKeyFile
Path to a file containing the camo HMAC key.

Type: null or string

Default:

```
null
```

Example:

```
"/var/lib/secrets/gitea/camoHmacKey"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.captcha.enable

Enables Gitea to display a CAPTCHA challenge on registration.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.captcha.requireForExternalRegistration

Displays a CAPTCHA challenge for users that register externally.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.captcha.requireForLogin

Displays a CAPTCHA challenge whenever a user logs in.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.captcha.secretFile

Path to a file containing the CAPTCHA secret key.

Type: null or string

Default:

```
null
```

Example:

```
"/var/lib/secrets/gitea/captcha_secret"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.captcha.siteKey

CAPTCHA site key to use for Gitea.

Type: null or string

Default:

```
null
```

Example:

```
"my_site_key"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.captcha.type
The type of CAPTCHA to use for Gitea.

Type: one of “image”, “recaptcha”, “hcaptcha”, “mcaptcha”, “cfturnstile”

Default:

```
"image"
```

Example:

```
"recaptcha"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.captcha.url
CAPTCHA url to use for Gitea. Only relevant for ‘recaptcha’ and ‘mcaptcha’.

Type: null or string

Default:

```
null
```

Example:

```
"https://google.com/recaptcha"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.customDir
Gitea custom directory. Used for config, custom templates and other options.

Type: string

Default:

```
"${config.services.gitea.stateDir}/custom"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.database.createDatabase
Whether to create a local database automatically.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.database.host
Database host address.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.database.name
Database name.

Type: string

Default:

```
"gitea"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.database.password
The password corresponding to **database.user**. Warning: this is stored in cleartext in the Nix store! Use **database.passwordFile** instead.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.database.passwordFile
A file containing the password corresponding to **database.user**.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/gitea-dbpassword"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.database.path
Path to the sqlite3 database file.

Type: string

Default:

```
"${config.services.gitea.stateDir}/data/gitea.db"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.database.port
Database host port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
if config.services.gitea.database.type != "postgresql"
then 3306
else 5432
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.database.socket
Path to the unix socket file to use for authentication.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/mysqld/mysqld.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.database.type
Database engine to use.

Type: one of “sqlite3”, “mysql”, “postgres”

Default:

```
"sqlite3"
```

Example:

```
"mysql"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.database.user
Database user.

Type: string

Default:

```
"gitea"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.dump.enable
Enable a timer that runs gitea dump to generate backup−files of the current gitea database and repositories.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.dump.backupDir
Path to the dump files.

Type: string

Default:

```
"${config.services.gitea.stateDir}/dump"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.dump.file
Filename to be used for the dump. If ‘null’ a default name is chosen by gitea.

Type: null or string

Default:

```
null
```

Example:

```
"gitea-dump"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.dump.interval
Run a gitea dump at this interval. Runs by default at 04:31 every day.

The format is described in **systemd.time**(7).

Type: string

Default:

```
"04:31"
```

Example:

```
"hourly"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.dump.type
Archive format used to store the dump file.

Type: one of “zip”, “rar”, “tar”, “sz”, “tar.gz”, “tar.xz”, “tar.bz2”, “tar.br”, “tar.lz4”, “tar.zst”

Default:

```
"zip"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.extraConfig
Configuration lines appended to the generated gitea configuration file.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.group
Group under which gitea runs.

Type: string

Default:

```
"gitea"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.lfs.enable
Enables git−lfs support.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.lfs.contentDir
Where to store LFS files.

Type: string

Default:

```
"${config.services.gitea.stateDir}/data/lfs"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.mailerPasswordFile
Path to a file containing the SMTP password.

Type: null or string

Default:

```
null
```

Example:

```
"/var/lib/secrets/gitea/mailpw"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.metricsTokenFile
Path to a file containing the metrics authentication token.

Type: null or string

Default:

```
null
```

Example:

```
"/var/lib/secrets/gitea/metrics_token"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.minioAccessKeyId
Path to a file containing the Minio access key id.

Type: null or string

Default:

```
null
```

Example:

```
"/var/lib/secrets/gitea/minio_access_key_id"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.minioSecretAccessKey
Path to a file containing the Minio secret access key.

Type: null or string

Default:

```
null
```

Example:

```
"/var/lib/secrets/gitea/minio_secret_access_key"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.repositoryRoot
Path to the git repositories.

Type: string

Default:

```
"${config.services.gitea.stateDir}/repositories"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.settings
Gitea configuration. Refer to **https://docs.gitea.io/en-us/config-cheat-sheet/** for details on supported values.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Example:

```
{
  "cron.sync_external_users" = {
    RUN_AT_START = true;
    SCHEDULE = "@every 24h";
    UPDATE_EXISTING = true;
  };
  mailer = {
    ENABLED = true;
    PROTOCOL = "smtp+starttls";
    SMTP_ADDR = "smtp.example.org";
    SMTP_PORT = "587";
    FROM = "Gitea Service <do-not-reply@example.org>";
    USER = "do-not-reply@example.org";
  };
  other = {
    SHOW_FOOTER_VERSION = false;
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.settings.log.LEVEL
General log level.

Type: one of “Trace”, “Debug”, “Info”, “Warn”, “Error”, “Critical”

Default:

```
"Info"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.settings.log.ROOT_PATH
Root path for log files.

Type: string

Default:

```
"${config.services.gitea.stateDir}/log"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.settings.mailer.ENABLED
Whether to use an email service to send notifications.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.settings.mailer.PROTOCOL
Which mail server protocol to use.

Type: one of <null>, “smtp”, “smtps”, “smtp+starttls”, “smtp+unix”, “sendmail”, “dummy”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.settings.mailer.SENDMAIL_PATH
Path to sendmail binary or script.

Type: string

Default:

```
if config.services.gitea.settings.mailer.ENABLED && config.services \
.gitea.settings.mailer.PROTOCOL == "sendmail" then "/run/wrappers/b \
in/sendmail" else "sendmail"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.settings.server.DISABLE_SSH
Disable external SSH feature.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.settings.server.DOMAIN
Domain name of your server.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.settings.server.HTTP_ADDR
Listen address. Must be a path when using a unix socket.

Type: string or absolute path

Default:

```
if lib.hasSuffix "+unix" cfg.settings.server.PROTOCOL then "/run/gi \
tea/gitea.sock" else "0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.settings.server.HTTP_PORT
Listen port. Ignored when using a unix socket.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.settings.server.PROTOCOL
Listen protocol. '+unix' means "over unix", not "in addition to."

Type: one of "http", "https", "fcgi", "http+unix", "fcgi+unix"

Default:

```
"http"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.settings.server.ROOT_URL
Full public URL of gitea server.

Type: string

Default:

```
"http://${config.services.gitea.settings.server.DOMAIN}:${toString  \
config.services.gitea.settings.server.HTTP_PORT}/"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.settings.server.SSH_PORT
SSH port displayed in clone URL. The option is required to configure a service when the external visible port differs from the local listening port i.e. if port forwarding is used.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
22
```

Example:

```
2222
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.settings.server.STATIC_ROOT_PATH
Upper level of template and static files path.

Type: string or absolute path

Default:

```
config.services.gitea.package.data
```

Example:

```
"/var/lib/gitea/data"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.settings.service.DISABLE_REGISTRATION
By default any user can create an account on this ‘gitea’ instance. This can be disabled by using this option.

Note: please keep in mind that this should be added after the initial deploy as the first registered user will be the administrator.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.settings.session.COOKIE_SECURE
Marks session cookies as “secure” as a hint for browsers to only send them via HTTPS. This option is recommend, if gitea is being served over HTTPS.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.stateDir
Gitea data directory.

Type: string

Default:

```
"/var/lib/gitea"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea.user
User account under which gitea runs.

Type: string

Default:

```
"gitea"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitea.nix>

services.gitea-actions-runner.package
The gitea-actions-runner package to use.

Type: package

Default:

```
pkgs.gitea-actions-runner
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/gitea-actions-runner.nix>

services.gitea-actions-runner.instances
Gitea Actions Runner instances.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/gitea-actions-runner.nix>

services.gitea-actions-runner.instances.<name>.enable
Whether to enable Gitea Actions Runner instance.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/gitea-actions-runner.nix>

services.gitea-actions-runner.instances.<name>.hostPackages

List of packages, that are available to actions, when the runner is configured with a host execution label.

Type: list of package

Default:

```
with pkgs; [
  bash
  coreutils
  curl
  gawk
  gitMinimal
  gnused
  nodejs
  wget
]
```

Declared by:

<nixpkgs/nixos/modules/services/continuous-integration/gitea-actions-runner.nix>

services.gitea-actions-runner.instances.<name>.labels

Labels used to map jobs to their runtime environment. Changing these labels currently requires a new registration token.

Many common actions require bash, git and nodejs, as well as a filesystem that follows the filesystem hierarchy standard.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  # provide a debian base with nodejs for actions
  "debian-latest:docker://node:18-bullseye"
  # fake the ubuntu name, because node provides no ubuntu builds
  "ubuntu-latest:docker://node:18-bullseye"
  # provide native execution on the host
  #"native:host"
]
```

Declared by:

<nixpkgs/nixos/modules/services/continuous-integration/gitea-actions-runner.nix>

services.gitea-actions-runner.instances.<name>.name

The name identifying the runner instance towards the Gitea/Forgejo instance.

Type: string

Example:

```
config.networking.hostName
```

Declared by:

<nixpkgs/nixos/modules/services/continuous-integration/gitea-actions-runner.nix>

services.gitea-actions-runner.instances.<name>.settings
Configuration for ‘act_runner daemon’. See **https://gitea.com/gitea/act_runner/src/branch/main/internal/pkg/config/config.example.yaml** for an example configuration

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/gitea-actions-runner.nix>

services.gitea-actions-runner.instances.<name>.token
Plain token to register at the configured Gitea/Forgejo instance.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/gitea-actions-runner.nix>

services.gitea-actions-runner.instances.<name>.tokenFile
Path to an environment file, containing the ‘TOKEN’ environment variable, that holds a token to register at the configured Gitea/Forgejo instance.

Type: null or string or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/gitea-actions-runner.nix>

services.gitea-actions-runner.instances.<name>.url
Base URL of your Gitea/Forgejo instance.

Type: string

Example:

```
"https://forge.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/gitea-actions-runner.nix>

services.github-runners
Multiple GitHub Runners.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  runner1 = {
    enable = true;
    name = "runner1";
    tokenFile = "/secrets/token1";
    url = "https://github.com/owner/repo";
  };
```

```
    runner2 = {
      enable = true;
      name = "runner2";
      tokenFile = "/secrets/token2";
      url = "https://github.com/owner/repo";
    };
  }
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/github-runner/options.nix>

services.github-runners.<name>.enable
Whether to enable GitHub Actions runner.

Note: GitHub recommends using self-hosted runners with private repositories only. Learn more here: **About self-hosted runners**.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/github-runner/options.nix>

services.github-runners.<name>.package
The github-runner package to use.

Type: package

Default:

```
pkgs.github-runner
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/github-runner/options.nix>

services.github-runners.<name>.ephemeral
If enabled, causes the following behavior:

- Passes the '--ephemeral' flag to the runner configuration script
- De-registers and stops the runner with GitHub after it has processed one job
- On stop, systemd wipes the runtime directory (this always happens, even without using the ephemeral option)
- Restarts the service after its successful exit
- On start, wipes the state directory and configures a new runner

You should only enable this option if 'tokenFile' points to a file which contains a personal access token (PAT). If you're using the option with a registration token, restarting the service will fail as soon as the registration token expired.

Changing this option triggers a new runner registration.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/github-runner/options.nix>

services.github-runners.<name>.extraEnvironment
Extra environment variables to set for the runner, as an attrset.

Type: attribute set

Default:

```
{ }
```

Example:

```
{
  GIT_CONFIG = "/path/to/git/config";
}
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/github-runner/options.nix>

services.github-runners.<name>.extraLabels
Extra labels in addition to the default (unless disabled through the ‘noDefaultLabels’ option).

Changing this option triggers a new runner registration.

Type: list of string

Default:

```
[ ]
```

Example:

```
[ "nixos" ]
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/github-runner/options.nix>

services.github-runners.<name>.extraPackages
Extra packages to add to ‘PATH’ of the service to make them available to workflows.

Type: list of package

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/github-runner/options.nix>

services.github-runners.<name>.group
Group under which to run the service.

The effect of this option depends on the value of the ‘user’ option:

- ‘group == null’ and ‘user == null’: The service runs with a dynamically allocated user and group.
- ‘group == null’ and ‘user != null’: The service runs as the given user and its default group.
- ‘group != null’ and ‘user == null’: This configuration is invalid. In this case, the service would use the given group but run as root implicitly. If this is really what you want, set ‘user = "root"’ explicitly.

Type: null or string

Default:

```
groupname
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/github−runner/options.nix>

services.github−runners.<name>.name
Name of the runner to configure. If null, defaults to the hostname.

Changing this option triggers a new runner registration.

Type: null or string

Default:

```
"‹name›"
```

Example:

```
"nixos"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/github−runner/options.nix>

services.github−runners.<name>.noDefaultLabels
Disables adding the default labels. Also see the ‘extraLabels’ option.

Changing this option triggers a new runner registration.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/github−runner/options.nix>

services.github−runners.<name>.nodeRuntimes
List of Node.js runtimes the runner should support.

Type: non−empty (list of (one of “node20”, “node24”))

Default:

```
[
  "node20"
  "node24"
]
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/github−runner/options.nix>

services.github−runners.<name>.replace
Replace any existing runner with the same name.

Without this flag, registering a new runner with the same name fails.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/github−runner/options.nix>

services.github−runners.<name>.runnerGroup

Name of the runner group to add this runner to (defaults to the default runner group).

Changing this option triggers a new runner registration.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/continuous−integration/github−runner/options.nix>

services.github−runners.<name>.serviceOverrides

Modify the systemd service. Can be used to, e.g., adjust the sandboxing options. See **systemd.exec**(5) for more options.

Type: attribute set

Default:

```
{ }
```

Example:

```
{
  ProtectHome = false;
  RestrictAddressFamilies = [
    "AF_PACKET"
  ];
}
```

Declared by:

<nixpkgs/nixos/modules/services/continuous−integration/github−runner/options.nix>

services.github−runners.<name>.tokenFile

The full path to a file which contains either

- a fine−grained personal access token (PAT),
- a classic PAT
- or a runner registration token

Changing this option or the ‘tokenFile’’s content triggers a new runner registration.

We suggest using the fine−grained PATs. A runner registration token is valid only for 1 hour after creation, so the next time the runner configuration changes this will give you hard−to−debug HTTP 404 errors in the configure step.

The file should contain exactly one line with the token without any newline. (Use ‘echo −n '…token…' > …token file…’ to make sure no newlines sneak in.)

If the file contains a PAT, the service creates a new registration token on startup as needed. If a registration token is given, it can be used to re−register a runner of the same name but is time−limited as noted above.

For fine−grained PATs:

Give it “Read and Write access to organization/repository self hosted runners”, depending on whether it is organization wide or per−repository. You might have to experiment a little, fine−grained PATs are a ‘beta’ Github feature and still subject to change; nonetheless they are the best option at the moment.

For classic PATs:

Make sure the PAT has a scope of ‘admin:org’ for organization−wide registrations or a scope of ‘repo’ for a single repository.

For runner registration tokens:

Nothing special needs to be done, but updating will break after one hour, so these are not recommended.

Type: absolute path

Example:

```
"/run/secrets/github-runner/nixos.token"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/github-runner/options.nix>

services.github-runners.<name>.tokenType
Type of token to use for runner registration.

An access token is a personal access token or any other kind of GitHub token that starts with ‘ghp_’, ‘gho_’, etc prefix. It is passed as ‘--pat’ to the runner config script.

A registration token is an unprefixed string generated by the “Add new self-hosted runner” page. It is passed as ‘--token’ to runner config script.

The default ‘auto’ attempts to detect the token type automatically based on its format.

Type: one of “auto”, “access”, “registration”

Default:

```
"auto"
```

Example:

```
"registration"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/github-runner/options.nix>

services.github-runners.<name>.url
Repository to add the runner to.

Changing this option triggers a new runner registration.

IMPORTANT: If your token is org-wide (not per repository), you need to provide a github org link, not a single repository, so do it like this ‘https://github.com/nixos’, not like this ‘https://github.com/nixos/nixpkgs’. Otherwise, you are going to get a ‘404 NotFound’ from ‘POST https://api.github.com/actions/runner-registration’ in the configure script.

Type: string

Example:

```
"https://github.com/nixos/nixpkgs"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/github-runner/options.nix>

services.github-runners.<name>.user
User under which to run the service.

If this option and the ‘group’ option is set to ‘null’, the service runs as a dynamically allocated user.

Also see the ‘group’ option for an overview on the effects of the ‘user’ and ‘group’ settings.

Type: null or string

Default:

```
username
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/github-runner/options.nix>

services.github-runners.<name>.workDir
Working directory, available as 'GITHUB_WORKSPACE' during workflow runs and used as a default for **repository checkouts**. The service cleans this directory on every service start.

A value of 'null' will default to the systemd 'RuntimeDirectory'.

Changing this option triggers a new runner registration.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/github-runner/options.nix>

services.gitlab.enable
Enable the gitlab service.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.packages.gitaly
The gitaly package to use.

Type: package

Default:

```
pkgs.gitaly
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.packages.gitlab
The gitlab package to use.

Type: package

Default:

```
pkgs.gitlab
```

Example:

```
gitlab-ee
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.packages.gitlab-shell
The gitlab-shell package to use.

Type: package

Default:

```
pkgs.gitlab-shell
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.packages.gitlab−workhorse
The gitlab−workhorse package to use.

Type: package

Default:

```
pkgs.gitlab−workhorse
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.packages.pages
The gitlab−pages package to use.

Type: package

Default:

```
pkgs.gitlab−pages
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.backup.keepTime
How long to keep the backups around, in hours. ‘0’ means “keep forever”.

Type: signed integer

Default:

Example:

```
48
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.backup.path
GitLab path for backups.

Type: string

Default:

```
config.services.gitlab.statePath + "/backup"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.backup.skip
Directories to exclude from the backup. The example excludes CI artifacts and LFS objects from the backups. The ‘tar’ option skips the creation of a tar file.

Refer to **https://docs.gitlab.com/ee/raketasks/backup_restore.html#excluding−specific−directories−from−the−backup** for more information.

Type: one of “db”, “uploads”, “builds”, “artifacts”, “lfs”, “registry”, “pages”, “repositories”, “tar” or list of (one of “db”, “uploads”, “builds”, “artifacts”, “lfs”, “registry”, “pages”, “repositories”, “tar”)

Default:

```
[ ]
```

Example:

```
[
```

```
  "artifacts"
  "lfs"
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.backup.startAt

The time(s) to run automatic backup of GitLab state. Specified in systemd's time format; see **systemd.time**(7).

Type: string or list of string

Default:

```
[ ]
```

Example:

```
"03:00"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.backup.uploadOptions

GitLab automatic upload specification. Tells GitLab to upload the backup to a remote location when done.

Attributes specified here are added under 'production −> backup −> upload' in *config/gitlab.yml*.

Type: attribute set

Default:

```
{ }
```

Example:

```
{
  # Fog storage connection settings, see http://fog.io/storage/
  connection = {
    provider = "AWS";
    region = "eu-north-1";
    aws_access_key_id = "AKIAXXXXXXXXXXXXXXX";
    aws_secret_access_key = { _secret = config.deployment.keys.aws_ \
access_key.path; };
  };
  # The remote 'directory' to store your backups in.
  # For S3, this would be the bucket name.
  remote_directory = "my-gitlab-backups";
  # Use multipart uploads when file size reaches 100MB, see
  # http://docs.aws.amazon.com/AmazonS3/latest/dev/uploadobjusingmp \
u.html
  multipart_chunk_size = 104857600;
  # Turns on AWS Server-Side Encryption with Amazon S3-Managed Ke \
ys for backups, this is optional
  encryption = "AES256";
  # Specifies Amazon S3 storage class to use for backups, this is o \
ptional
  storage_class = "STANDARD";
};
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.databaseCreateLocally
Whether a database should be automatically created on the local host. Set this to ‘false’ if you plan on provisioning a local database yourself. This has no effect if **services.gitlab.databaseHost** is customized.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.databaseHost
GitLab database hostname. An empty string means “use local unix socket connection”.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.databaseName
GitLab database name.

Type: string

Default:

```
"gitlab"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.databasePasswordFile
File containing the GitLab database user password.

This should be a string, not a nix path, since nix paths are copied into the world−readable nix store.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.databasePool
Database connection pool size.

Type: signed integer

Default:

```
5
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.databaseUsername

GitLab database user.

Type: string

Default:

```
"gitlab"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.extraConfig

Extra options to be added under ‘production’ in *config/gitlab.yml*, as a nix attribute set.

Options containing secret data should be set to an attribute set containing the attribute ‘_secret’ − a string pointing to a file containing the value the option should be set to. See the example to get a better picture of this: in the resulting *config/gitlab.yml* file, the ‘production.omniauth.providers[0].args.client_options.secret’ key will be set to the contents of the */var/keys/gitlab_oidc_secret* file.

Type: YAML 1.1 value

Default:

```
{ }
```

Example:

```
{
  gitlab = {
    default_projects_features = {
      builds = false;
    };
  };
  omniauth = {
    enabled = true;
    auto_sign_in_with_provider = "openid_connect";
    allow_single_sign_on = ["openid_connect"];
    block_auto_created_users = false;
    providers = [
      {
        name = "openid_connect";
        label = "OpenID Connect";
        args = {
          name = "openid_connect";
          scope = ["openid" "profile"];
          response_type = "code";
          issuer = "https://keycloak.example.com/auth/realms/My%20R \
ealm";
          discovery = true;
          client_auth_method = "query";
          uid_field = "preferred_username";
          client_options = {
            identifier = "gitlab";
            secret = { _secret = "/var/keys/gitlab_oidc_secret"; };
            redirect_uri = "https://git.example.com/users/auth/open \
id_connect/callback";
          };
        };
      }
```

```
        ];
      };
    };
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.extraDatabaseConfig
Extra configuration in config/database.yml.

Type: attribute set

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.extraEnv
Additional environment variables for the GitLab environment.

Type: attribute set of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.extraGitlabRb
Extra configuration to be placed in config/extra−gitlab.rb. This can be used to add configuration not otherwise exposed through this module's options.

Type: string

Default:

```
""
```

Example:

```
    if Rails.env.production?
      Rails.application.config.action_mailer.delivery_method = :sendm \
ail
      ActionMailer::Base.delivery_method = :sendmail
      ActionMailer::Base.sendmail_settings = {
        location: "/run/wrappers/bin/sendmail",
        arguments: "−i −t"
      }
    end
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.extraShellConfig
Extra configuration to merge into shell−config.yml

Type: attribute set

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.group
Group to run gitlab and all related services.

Type: string

Default:

```
"gitlab"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.host
GitLab host name. Used e.g. for copy−paste URLs.

Type: string

Default:

```
config.networking.hostName
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.https
Whether gitlab prints URLs with https as scheme.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.initialRootEmail
Initial email address of the root account if this is a new install.

Type: string

Default:

```
"admin@local.host"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.initialRootPasswordFile
File containing the initial password of the root account if this is a new install.

This should be a string, not a nix path, since nix paths are copied into the world−readable nix store.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.logrotate.enable
Enable rotation of log files.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.logrotate.frequency
How often to rotate the logs.

Type: string

Default:

```
"daily"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.logrotate.keep
How many rotations to keep.

Type: signed integer

Default:

```
30
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.pages.enable
Whether to enable the GitLab Pages service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.pages.settings
Configuration options to set in the GitLab Pages config file.

Options containing secret data should be set to an attribute set containing the attribute '_secret' − a string pointing to a file containing the value the option should be set to. See the example to get a better picture of this: in the resulting configuration file, the 'auth−client−secret' and 'auth−secret' keys will be set to the contents of the */var/keys/auth−client−secret* and */var/keys/auth−secret* files respectively.

Type: open submodule of attribute set of (null or string or signed integer or boolean or (attribute set))

Example:

```
{
  pages-domain = "example.com";
  auth-client-id = "generated-id-xxxxxxx";
  auth-client-secret = { _secret = "/var/keys/auth-client-secre \
t"; };
```

```
    auth-redirect-uri = "https://projects.example.com/auth";
    auth-secret = { _secret = "/var/keys/auth-secret"; };
    auth-server = "https://gitlab.example.com";
  }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.pages.settings.artifacts-server
API URL to proxy artifact requests to.

Type: null or string

Default:

```
"http(s)://<services.gitlab.host>/api/v4"
```

Example:

```
"https://gitlab.example.com/api/v4"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.pages.settings.gitlab-server
Public GitLab server URL.

Type: null or string

Default:

```
"http(s)://<services.gitlab.host>"
```

Example:

```
"https://gitlab.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.pages.settings.internal-gitlab-server
Internal GitLab server used for API requests, useful if you want to send that traffic over an internal load balancer. By default, the value of ‘services.gitlab.pages.settings.gitlab-server’ is used.

Type: null or string

Default:

```
"http(s)://<services.gitlab.host>"
```

Example:

```
"https://gitlab.example.internal"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.pages.settings.listen-http
The address(es) to listen on for HTTP requests.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.pages.settings.listen−https
The address(es) to listen on for HTTPS requests.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.pages.settings.listen−proxy
The address(es) to listen on for proxy requests.

Type: list of string

Default:

```
[
  "127.0.0.1:8090"
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.pages.settings.pages−domain
The domain to serve static pages on.

Type: null or string

Default:

```
null
```

Example:

```
"example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.pages.settings.pages−root
The directory where pages are stored.

Type: string

Default:

```
config.services.gitlab.extraConfig.production.shared.path + "/pages \
"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.port
GitLab server port for copy−paste URLs, e.g. 80 or 443 if you’re service over https.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.puma.threadsMax
The maximum number of threads Puma should use per worker. This limits how many threads Puma will automatically spawn in response to requests. In contrast to workers, threads will never be able to run Ruby code in parallel, but give higher IO parallelism.

Note
Each thread consumes memory and contributes to Global VM Lock contention, so be careful when increasing this.

Type: signed integer

Default:

```
4
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.puma.threadsMin
The minimum number of threads Puma should use per worker.

Note
Each thread consumes memory and contributes to Global VM Lock contention, so be careful when increasing this.

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.puma.workers
The number of worker processes Puma should spawn. This controls the amount of parallel Ruby code can be executed. GitLab recommends ‘Number of CPU cores − 1’, but at least two.

Note
Each worker consumes quite a bit of memory, so be careful when increasing this.

Type: signed integer

Default:

```
2
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.redisUrl
Redis URL for all GitLab services.

Type: string

Default:

```
"unix:/run/gitlab/redis.sock"
```

Example:

```
"redis://localhost:6379/"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.registry.enable
Enable GitLab container registry.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.registry.package
Container registry package to use.

External container registries such as 'pkgs.distribution' are not supported anymore since GitLab 16.0.0.

Type: package

Default:

```
pkgs.distribution
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.registry.certFile
Path to GitLab container registry certificate.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.registry.defaultForProjects
If GitLab container registry should be enabled by default for projects.

Type: boolean

Default:

```
config.services.gitlab.registry.enable
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.registry.externalAddress
External address used to access registry from the internet

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.registry.externalPort
External port used to access registry from the internet

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.registry.host
GitLab container registry host name.

Type: string

Default:

```
config.services.gitlab.host
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.registry.issuer
GitLab container registry issuer.

Type: string

Default:

```
"gitlab-issuer"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.registry.keyFile
Path to GitLab container registry certificate-key.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.registry.port
GitLab container registry port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
4567
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.registry.serviceName
GitLab container registry service name.

Type: string

Default:

```
"container_registry"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.secrets.activeRecordDeterministicKeyFile
A file containing the secret used to encrypt some rails data in a deterministic way in the DB. This should not be the same as 'services.gitlab.secrets.activeRecordPrimaryKeyFile'!

Make sure the secret is at ideally 32 characters and all random, no regular words or you'll be exposed to dictionary attacks.

This should be a string, not a nix path, since nix paths are copied into the world-readable nix store.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.secrets.activeRecordPrimaryKeyFile

A file containing the secret used to encrypt some rails data in the DB. This should not be the same as 'services.gitlab.secrets.activeRecordDeterministicKeyFile'!

Make sure the secret is at ideally 32 characters and all random, no regular words or you'll be exposed to dictionary attacks.

This should be a string, not a nix path, since nix paths are copied into the world−readable nix store.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.secrets.activeRecordSaltFile

A file containing the salt for active record encryption in the DB.

Make sure the secret is at ideally 32 characters and all random, no regular words or you'll be exposed to dictionary attacks.

This should be a string, not a nix path, since nix paths are copied into the world−readable nix store.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.secrets.dbFile

A file containing the secret used to encrypt variables in the DB. If you change or lose this key you will be unable to access variables stored in database.

Make sure the secret is at least 32 characters and all random, no regular words or you'll be exposed to dictionary attacks.

This should be a string, not a nix path, since nix paths are copied into the world−readable nix store.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.secrets.jwsFile

A file containing the secret used to encrypt session keys. If you change or lose this key, users will be disconnected.

Make sure the secret is an RSA private key in PEM format. You can generate one with

openssl genrsa 2048

This should be a string, not a nix path, since nix paths are copied into the world−readable nix store.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.secrets.otpFile
A file containing the secret used to encrypt secrets for OTP tokens. If you change or lose this key, users which have 2FA enabled for login won't be able to login anymore.

Make sure the secret is at least 32 characters and all random, no regular words or you'll be exposed to dictionary attacks.

This should be a string, not a nix path, since nix paths are copied into the world−readable nix store.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.secrets.secretFile
A file containing the secret used to encrypt variables in the DB. If you change or lose this key you will be unable to access variables stored in database.

Make sure the secret is at least 32 characters and all random, no regular words or you'll be exposed to dictionary attacks.

This should be a string, not a nix path, since nix paths are copied into the world−readable nix store.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.sidekiq.concurrency
How many processor threads to use for processing sidekiq background job queues. When null, the GitLab default is used.

See **https://docs.gitlab.com/ee/administration/sidekiq/extra_sidekiq_processes.html#manage−thread−counts−explicitly** for details.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.sidekiq.memoryKiller.enable
Whether the Sidekiq MemoryKiller should be turned on. MemoryKiller kills Sidekiq when its memory consumption exceeds a certain limit.

See **https://docs.gitlab.com/ee/administration/operations/sidekiq_memory_killer.html** for details.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.sidekiq.memoryKiller.graceTime

The time MemoryKiller waits after noticing excessive memory consumption before killing Sidekiq.

Type: signed integer

Default:

```
900
```

Declared by:

<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.sidekiq.memoryKiller.maxMemory

The maximum amount of memory, in MiB, a Sidekiq worker is allowed to consume before being killed.

Type: signed integer

Default:

```
2000
```

Declared by:

<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.sidekiq.memoryKiller.shutdownWait

The time allowed for all jobs to finish before Sidekiq is killed forcefully.

Type: signed integer

Default:

```
30
```

Declared by:

<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.smtp.enable

Enable gitlab mail delivery over SMTP.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.smtp.enableStartTLSAuto

Whether to try to use StartTLS.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.smtp.address
Address of the SMTP server for GitLab.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.smtp.authentication
Authentication type to use, see **http://api.rubyonrails.org/classes/ActionMailer/Base.html**

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.smtp.domain
HELO domain to use for outgoing mail.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.smtp.opensslVerifyMode
How OpenSSL checks the certificate, see **http://api.rubyonrails.org/classes/ActionMailer/Base.html**

Type: string

Default:

```
"peer"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.smtp.passwordFile
File containing the password of the SMTP server for GitLab.

This should be a string, not a nix path, since nix paths are copied into the world−readable nix store.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.smtp.port
Port of the SMTP server for GitLab.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
25
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.smtp.tls
Whether to use TLS wrapper−mode.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.smtp.username
Username of the SMTP server for GitLab.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.statePath
GitLab state directory. Configuration, repositories and logs, among other things, are stored here.

The directory will be created automatically if it doesn't exist already. Its parent directories must be owned by either 'root' or the user set in **services.gitlab.user**.

Type: string

Default:

```
"/var/gitlab/state"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.user
User to run gitlab and all related services.

Type: string

Default:

```
"gitlab"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab.workhorse.config
Configuration options to add to Workhorse's configuration file.

See **https://gitlab.com/gitlab−org/gitlab/−/blob/master/workhorse/config.toml.example** and **https://docs.gitlab.com/ee/development/workhorse/configuration.html** for examples and option documentation.

Options containing secret data should be set to an attribute set containing the attribute '_secret' − a string pointing to a file containing the value the option should be set to. See the example to get a better picture of this: in the resulting configuration file, the 'object_storage.s3.aws_secret_access_key' key will be set to the contents of the */var/keys/aws_secret_access_key* file.

Type: TOML value

Default:

```
{ }
```

Example:

```
{
  object_storage.provider = "AWS";
  object_storage.s3 = {
    aws_access_key_id = "AKIAXXXXXXXXXXXXXXX";
    aws_secret_access_key = { _secret = "/var/keys/aws_secret_acces \
s_key"; };
  };
};
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitlab.nix>

services.gitlab−runner.enable
Whether to enable Gitlab Runner.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/gitlab−runner/runner.nix>

services.gitlab−runner.package
The gitlab−runner package to use.

Type: package

Default:

```
pkgs.gitlab−runner
```

Example:

```
gitlab−runner_1_11
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/gitlab−runner/runner.nix>

services.gitlab−runner.clear−docker−cache.enable
Whether to periodically prune gitlab runner's Docker resources. If enabled, a systemd timer will run **clear−docker−cache** as specified by the 'dates' option.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/gitlab−runner/runner.nix>

services.gitlab−runner.clear−docker−cache.package
Docker package to use for clearing up docker cache.

Type: unspecified value

Default:

```
config.virtualisation.docker.package
```

Example:

```
pkgs.docker
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/gitlab-runner/runner.nix>

services.gitlab-runner.clear-docker-cache.dates
Specification (in the format described by **systemd.time**(7)) of the time at which the prune will occur.

Type: string

Default:

```
"weekly"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/gitlab-runner/runner.nix>

services.gitlab-runner.clear-docker-cache.flags
Any additional flags passed to **clear-docker-cache**.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "prune"
]
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/gitlab-runner/runner.nix>

services.gitlab-runner.configFile
Configuration file for gitlab-runner.

configFile takes precedence over **services**. **checkInterval** and **concurrent** will be ignored too.

This option is deprecated, please use **services** instead. You can use **registrationConfigFile** and **registrationFlags** for settings not covered by this module.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/gitlab-runner/runner.nix>

services.gitlab-runner.extraPackages
Extra packages to add to 'PATH' for the 'gitlab-runner' process. These packages won't be added to the system, use 'environment.systemPackages' for that.

Type: list of package

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/gitlab-runner/runner.nix>

services.gitlab−runner.gracefulTermination

Finish all remaining jobs before stopping. If not set gitlab−runner will stop immediately without waiting for jobs to finish, which will lead to failed builds.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/continuous−integration/gitlab−runner/runner.nix>

services.gitlab−runner.gracefulTimeout

Time to wait until a graceful shutdown is turned into a forceful one.

Type: string

Default:

```
"infinity"
```

Example:

```
"5min 20s"
```

Declared by:

<nixpkgs/nixos/modules/services/continuous−integration/gitlab−runner/runner.nix>

services.gitlab−runner.services

GitLab Runner services.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  # runner for building in docker via host's nix-daemon
  # nix store will be readable in runner, might be insecure
  nix = {
    # File should contain at least these two variables:
    # - 'CI_SERVER_URL'
    # - 'REGISTRATION_TOKEN'
    #
    # NOTE: Support for runner registration tokens will be removed  \
in GitLab 18.0.
    # Please migrate to runner authentication tokens soon. For refe \
rence, the example
    # runners below this one are configured with authentication tok \
ens instead.
    registrationConfigFile = "/run/secrets/gitlab-runner-registra \
tion";
    dockerImage = "alpine";
    dockerVolumes = [
      "/nix/store:/nix/store:ro"
      "/nix/var/nix/db:/nix/var/nix/db:ro"
      "/nix/var/nix/daemon-socket:/nix/var/nix/daemon-socket:ro"
    ];
    dockerDisableCache = true;
```

```
    preBuildScript = pkgs.writeScript "setup-container" ''
      mkdir -p -m 0755 /nix/var/log/nix/drvs
      mkdir -p -m 0755 /nix/var/nix/gcroots
      mkdir -p -m 0755 /nix/var/nix/profiles
      mkdir -p -m 0755 /nix/var/nix/temproots
      mkdir -p -m 0755 /nix/var/nix/userpool
      mkdir -p -m 1777 /nix/var/nix/gcroots/per-user
      mkdir -p -m 1777 /nix/var/nix/profiles/per-user
      mkdir -p -m 0755 /nix/var/nix/profiles/per-user/root
      mkdir -p -m 0700 "$HOME/.nix-defexpr"
      . ${pkgs.nix}/etc/profile.d/nix.sh
      ${pkgs.nix}/bin/nix-env -i ${concatStringsSep " " (with pkg \
s; [ nix cacert git openssh ])}
      ${pkgs.nix}/bin/nix-channel --add https://channels.nixos.o \
rg/nixpkgs-unstable
      ${pkgs.nix}/bin/nix-channel --update nixpkgs
    '';
    environmentVariables = {
      ENV = "/etc/profile";
      USER = "root";
      NIX_REMOTE = "daemon";
      PATH = "/nix/var/nix/profiles/default/bin:/nix/var/nix/profil \
es/default/sbin:/bin:/sbin:/usr/bin:/usr/sbin";
      NIX_SSL_CERT_FILE = "/nix/var/nix/profiles/default/etc/ssl/ce \
rts/ca-bundle.crt";
    };
    tagList = [ "nix" ];
  };
  # runner for building docker images
  docker-images = {
    # File should contain at least these two variables:
    # `CI_SERVER_URL`
    # `CI_SERVER_TOKEN`
    authenticationTokenConfigFile = "/run/secrets/gitlab-runner-d \
ocker-images-token-env";
    dockerImage = "docker:stable";
    dockerVolumes = [
      "/var/run/docker.sock:/var/run/docker.sock"
    ];
    tagList = [ "docker-images" ];
  };
  # runner for executing stuff on host system (very insecure!)
  # make sure to add required packages (including git!)
  # to `environment.systemPackages`
  shell = {
    # File should contain at least these two variables:
    # `CI_SERVER_URL`
    # `CI_SERVER_TOKEN`
    authenticationTokenConfigFile = "/run/secrets/gitlab-runner-s \
hell-token-env";
    executor = "shell";
    tagList = [ "shell" ];
  };
```

```
    # runner for everything else
    default = {
      # File should contain at least these two variables:
      # 'CI_SERVER_URL'
      # 'CI_SERVER_TOKEN'
      authenticationTokenConfigFile = "/run/secrets/gitlab-runner-d \
efault-token-env";
      dockerImage = "debian:stable";
    };
  }
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/gitlab-runner/runner.nix>

services.gitlab-runner.services.<name>.authenticationTokenConfigFile
Absolute path to a file containing environment variables used for gitlab-runner registrations with *runner authentication tokens*. They replace the deprecated *runner registration tokens*, as outlined in the **GitLab documentation**.

A list of all supported environment variables can be found with 'gitlab-runner register --help'.

The ones you probably want to set are:

- 'CI_SERVER_URL=<CI server URL>'
- 'CI_SERVER_TOKEN=<runner authentication token secret>'

Warning
Make sure to use a quoted absolute path, or it is going to be copied to Nix Store.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/gitlab-runner/runner.nix>

services.gitlab-runner.services.<name>.buildsDir
Absolute path to a directory where builds will be stored in context of selected executor (Locally, Docker, SSH).

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/lib/gitlab-runner/builds"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/gitlab-runner/runner.nix>

services.gitlab-runner.services.<name>.cloneUrl
Overwrite the URL for the GitLab instance. Used if the Runner can't connect to GitLab on the URL GitLab exposes itself.

Type: null or string

Default:

```
null
```

Example:

```
"http://gitlab.example.local"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/gitlab-runner/runner.nix>

services.gitlab-runner.services.<name>.debugTraceDisabled
When set to true Runner will disable the possibility of using the 'CI_DEBUG_TRACE' feature.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/gitlab-runner/runner.nix>

services.gitlab-runner.services.<name>.description
Name/description of the runner.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/gitlab-runner/runner.nix>

services.gitlab-runner.services.<name>.dockerAllowedImages
Whitelist allowed images.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "ruby:*"
  "python:*"
  "php:*"
  "my.registry.tld:5000/*:*"
]
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/gitlab-runner/runner.nix>

services.gitlab-runner.services.<name>.dockerAllowedServices
Whitelist allowed services.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "postgres:9"
  "redis:*"
  "mysql:*"
]
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/gitlab−runner/runner.nix>

services.gitlab−runner.services.<name>.dockerDisableCache
Disable all container caching.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/gitlab−runner/runner.nix>

services.gitlab−runner.services.<name>.dockerExtraHosts
Add a custom host−to−IP mapping.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "other−host:127.0.0.1"
]
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/gitlab−runner/runner.nix>

services.gitlab−runner.services.<name>.dockerImage
Docker image to be used.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/gitlab−runner/runner.nix>

services.gitlab−runner.services.<name>.dockerPrivileged
Give extended privileges to container.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/gitlab−runner/runner.nix>

services.gitlab−runner.services.<name>.dockerPullPolicy
Default pull−policy for Docker images

Type: null or one of “always”, “never”, “if−not−present”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/gitlab−runner/runner.nix>

services.gitlab−runner.services.<name>.dockerVolumes
Bind−mount a volume and create it if it doesn't exist prior to mounting.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "/var/run/docker.sock:/var/run/docker.sock"
]
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/gitlab−runner/runner.nix>

services.gitlab−runner.services.<name>.environmentVariables
Custom environment variables injected to build environment. For secrets you can use **registrationConfigFile** with 'RUNNER_ENV' variable set.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  NAME = "value";
}
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/gitlab−runner/runner.nix>

services.gitlab−runner.services.<name>.executor
Select executor, eg. shell, docker, etc. See **runner executor documentation** for more information.

Type: string

Default:

```
"docker"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/gitlab−runner/runner.nix>

services.gitlab−runner.services.<name>.limit
Limit how many jobs can be handled concurrently by this service. 0 (default) simply means don't limit.

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/gitlab−runner/runner.nix>

services.gitlab−runner.services.<name>.maximumTimeout
What is the maximum timeout (in seconds) that will be set for job when using this Runner. 0 (default) simply means don't limit.

This option has no effect for runners registered with an runner authentication tokens and will be ignored.

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/gitlab−runner/runner.nix>

services.gitlab−runner.services.<name>.postBuildScript
Runner−specific command script executed after code is pulled and just after build executes.

Type: null or string or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/gitlab−runner/runner.nix>

services.gitlab−runner.services.<name>.postGetSourcesScript
Runner−specific command script executed after code is pulled.

Type: null or string or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/gitlab−runner/runner.nix>

services.gitlab−runner.services.<name>.preBuildScript
Runner−specific command script executed after code is pulled, just before build executes.

Type: null or string or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/gitlab−runner/runner.nix>

services.gitlab−runner.services.<name>.preGetSourcesScript
Runner−specific command script executed before code is pulled.

Type: null or string or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/gitlab−runner/runner.nix>

services.gitlab−runner.services.<name>.protected
When set to true Runner will only run on pipelines triggered on protected branches.

This option has no effect for runners registered with an runner authentication tokens and will be ignored.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/gitlab-runner/runner.nix>

services.gitlab-runner.services.<name>.registrationConfigFile
Absolute path to a file with environment variables used for gitlab-runner registration with *runner registration tokens*.

A list of all supported environment variables can be found in 'gitlab-runner register --help'.

The ones you probably want to set are:

- 'CI_SERVER_URL=<CI server URL>'
- 'REGISTRATION_TOKEN=<registration secret>'

Support for *runner registration tokens* is deprecated since GitLab 16.0, has been disabled by default in GitLab 17.0 and will be removed in GitLab 18.0, as outlined in the **GitLab documentation**. Please consider migrating to **runner authentication tokens** and check the documentation on **services.gitlab-runner.services.<name>.authenticationTokenConfigFile**.

Warning
Make sure to use a quoted absolute path, or it is going to be copied to Nix Store.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/gitlab-runner/runner.nix>

services.gitlab-runner.services.<name>.registrationFlags
Extra command-line flags passed to 'gitlab-runner register'. Execute 'gitlab-runner register --help' for a list of supported flags.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--docker-helper-image my/gitlab-runner-helper"
]
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/gitlab-runner/runner.nix>

services.gitlab-runner.services.<name>.requestConcurrency
Limit number of concurrent requests for new jobs from GitLab.

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/gitlab-runner/runner.nix>

services.gitlab−runner.services.<name>.runUntagged
Register to run untagged builds; defaults to ‘true’ when **tagList** is empty.

This option has no effect for runners registered with an runner authentication tokens and will be ignored.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/gitlab−runner/runner.nix>

services.gitlab−runner.services.<name>.tagList
Tag list.

This option has no effect for runners registered with an runner authentication tokens and will be ignored.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/gitlab−runner/runner.nix>

services.gitlab−runner.settings
Global gitlab−runner configuration. See **https://docs.gitlab.com/runner/configuration/advanced−configuration.html#the−global−section** for supported values.

Type: open submodule of (JSON value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/gitlab−runner/runner.nix>

services.gitolite.enable
Enable gitolite management under the ‘gitolite’ user. After switching to a configuration with Gitolite enabled, you can then run ‘git clone gitolite@host:gitolite−admin.git’ to manage it further.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitolite.nix>

services.gitolite.enableGitAnnex
Enable git−annex support. Uses the ‘extraGitoliteRc’ option to apply the necessary configuration.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitolite.nix>

services.gitolite.adminPubkey

Initial administrative public key for Gitolite. This should be an SSH Public Key. Note that this key will only be used once, upon the first initialization of the Gitolite user. The key string cannot have any line breaks in it.

Type: string

Declared by:

<nixpkgs/nixos/modules/services/misc/gitolite.nix>

services.gitolite.commonHooks

A list of custom git hooks that get copied to '~/.gitolite/hooks/common'.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/misc/gitolite.nix>

services.gitolite.dataDir

The gitolite home directory used to store all repositories. If left as the default value this directory will automatically be created before the gitolite server starts, otherwise the sysadmin is responsible for ensuring the directory exists with appropriate ownership and permissions.

Type: string

Default:

```
"/var/lib/gitolite"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/gitolite.nix>

services.gitolite.description

Gitolite user account's description.

Type: string

Default:

```
"Gitolite user"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/gitolite.nix>

services.gitolite.extraGitoliteRc

Extra configuration to append to the default '~/.gitolite.rc'.

This should be Perl code that modifies the '%RC' configuration variable. The default '~/.gitolite.rc' content is generated by invoking 'gitolite print−default−rc', and extra configuration from this option is appended to it. The result is placed to Nix store, and the '~/.gitolite.rc' file becomes a symlink to it.

If you already have a customized (or otherwise changed) '~/.gitolite.rc' file, NixOS will refuse to replace it with a symlink, and the 'gitolite−init' initialization service will fail. In this situation, in order to use this option, you will need to take any customizations you may have in '~/.gitolite.rc', convert them to appropriate Perl statements, add them to this option, and remove the file.

See also the 'enableGitAnnex' option.

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
  $RC{UMASK} = 0027;
  $RC{SITE_INFO} = 'This is our private repository host';
  push( @{$RC{ENABLE}}, 'Kindergarten' ); # enable the command/feat \
ure
  @{$RC{ENABLE}} = grep { $_ ne 'desc' } @{$RC{ENABLE}}; # disable  \
the command/feature
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitolite.nix>

services.gitolite.group
Primary group of the Gitolite user account.

Type: string

Default:

```
"gitolite"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitolite.nix>

services.gitolite.user
Gitolite user account. This is the username of the gitolite endpoint.

Type: string

Default:

```
"gitolite"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gitolite.nix>

services.gitwatch
A set of git repositories to watch for. See **gitwatch** for more.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  disabled-repo = {
    branch = "autobranch";
    enable = false;
    path = "/home/user/disabled-project";
    remote = "git@github.com:me/my-old-project.git";
    user = "user";
  };
  my-repo = {
    enable = true;
    message = "Auto-commit by gitwatch on %d";
    path = "/home/user/watched-project";
    remote = "git@github.com:me/my-project.git";
    user = "user";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/gitwatch.nix>

services.gitwatch.<name>.enable
Whether to enable watching for repo.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/gitwatch.nix>

services.gitwatch.<name>.branch
Optional branch in remote repository

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/gitwatch.nix>

services.gitwatch.<name>.message
Optional text to use in as commit message; all occurrences of '%d' will be replaced by formatted date/time

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/gitwatch.nix>

services.gitwatch.<name>.path
The path to repo in local machine

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/gitwatch.nix>

services.gitwatch.<name>.remote
Optional url of remote repository

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/gitwatch.nix>

services.gitwatch.<name>.user

The name of services's user

Type: string

Default:

```
"root"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/gitwatch.nix>

services.gitweb.extraConfig

Verbatim configuration text appended to the generated gitweb.conf file.

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
$feature{'highlight'}{'default'} = [1];
$feature{'ctags'}{'default'} = [1];
$feature{'avatar'}{'default'} = ['gravatar'];
```

Declared by:

<nixpkgs/nixos/modules/services/misc/gitweb.nix>

services.gitweb.gitwebTheme

Use an alternative theme for gitweb, strongly inspired by GitHub.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/gitweb.nix>

services.gitweb.projectroot

Path to git projects (bare repositories) that should be served by gitweb. Must not end with a slash.

Type: absolute path

Default:

```
"/srv/git"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/gitweb.nix>

services.glance.enable

Whether to enable glance.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/glance.nix>

services.glance.package
The glance package to use.

Type: package

Default:

```
pkgs.glance
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/glance.nix>

services.glance.environmentFile
Path to an environment file as defined in **systemd.exec**(5).

See upstream documentation **https://github.com/glanceapp/glance/blob/main/docs/configuration.md#environment−variables**.

Example content of the file:

```
TIMEZONE=Europe/Paris
```

Example ‘services.glance.settings.pages’ configuration:

```
[
  {
    name = "Home";
    columns = [
      {
        size = "full";
        widgets = [
          {
            type = "clock";
            timezone = "\${TIMEZONE}";
            label = "Local Time";
          }
        ];
      }
    ];
  }
];
```

Note that when using Glance’s ‘${ENV_VAR}’ syntax in Nix, you need to escape it as follows: use ‘\${ENV_VAR}’ in ‘"’ strings and ‘"${ENV_VAR}’ in ‘"’ strings.

Alternatively, you can put each secret in it’s own file, see ‘services.glance.settings’.

Type: null or absolute path

Default:

```
"/dev/null"
```

Example:

```
"/var/lib/secrets/glance"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/glance.nix>

services.glance.openFirewall

Whether to open the firewall for Glance. This adds ‘services.glance.settings.server.port’ to ‘networking.firewall.allowedTCPPorts’.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/glance.nix>

services.glance.settings

Configuration written to a yaml file that is read by glance. See **https://github.com/glanceapp/glance/blob/main/docs/configuration.md** for more.

Settings containing secret data should be set to an attribute set with this format: ‘{ _secret = "/path/to/secret"; }’. See the example in ‘services.glance.settings.pages’ at the weather widget with a location secret to get a better picture of this.

Alternatively, you can use a single file with environment variables, see ‘services.glance.environmentFile’.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/glance.nix>

services.glance.settings.pages

List of pages to be present on the dashboard.

See **https://github.com/glanceapp/glance/blob/main/docs/configuration.md#pages−−columns**

Type: YAML 1.1 value

Default:

```
[
  {
    columns = [
      {
        size = "full";
        widgets = [
          {
            type = "calendar";
          }
        ];
      }
    ];
    name = "Calendar";
  }
]
```

Example:

```
[
  {
    columns = [
      {
```

```
              size = "full";
              widgets = [
                {
                  type = "calendar";
                }
                {
                  location = {
                    _secret = "/var/lib/secrets/glance/location";
                  };
                  type = "weather";
                }
              ];
            }
          ];
          name = "Home";
        }
      ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/glance.nix>

services.glance.settings.server.host
Glance bind address

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/glance.nix>

services.glance.settings.server.port
Glance port to listen on

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Example:

```
5678
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/glance.nix>

services.glances.enable
Whether to enable Glances.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/glances.nix>

services.glances.package
The glances package to use.

Type: package

Default:

```
pkgs.glances
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/glances.nix>

services.glances.extraArgs
Extra command−line arguments to pass to glances.

See **https://glances.readthedocs.io/en/latest/cmds.html** for all available options.

Type: list of string

Default:

```
[
  "−−webserver"
]
```

Example:

```
[
  "−−webserver"
  "−−disable−webui"
]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/glances.nix>

services.glances.openFirewall
Open port in the firewall for glances.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/glances.nix>

services.glances.port
Port the server will isten on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
61208
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/glances.nix>

services.glitchtip.enable

Whether to enable GlitchTip.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/glitchtip.nix>

services.glitchtip.package

The glitchtip package to use.

Type: package

Default:

```
pkgs.glitchtip
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/glitchtip.nix>

services.glitchtip.database.createLocally

Whether to enable and configure a local PostgreSQL database server.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/glitchtip.nix>

services.glitchtip.environmentFiles

Files to load environment variables from in addition to **services.glitchtip.settings**. This is useful to avoid putting secrets into the nix store. See **https://glitchtip.com/documentation/install#configuration** for more information.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[
  "/run/secrets/glitchtip.env"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/glitchtip.nix>

services.glitchtip.group

The group under which GlitchTip runs.

Type: string

Default:

```
"glitchtip"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/glitchtip.nix>

services.glitchtip.nginx.createLocally
Whether to enable and configure a local Nginx server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/glitchtip.nix>

services.glitchtip.nginx.domain
Domain under which GlitchTip will be reachable. In contrast to ‘settings.GLITCHTIP_DOMAIN’ this option has no protocol. It will also set ‘settings.GLITCHTIP_DOMAIN’ with the ‘https://’ protocol.

Type: string

Example:

```
"glitchtip.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/glitchtip.nix>

services.glitchtip.redis.createLocally
Whether to enable and configure a local Redis instance.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/glitchtip.nix>

services.glitchtip.settings
Configuration of GlitchTip. See **https://glitchtip.com/documentation/install#configuration** for more information and required settings.

Type: open submodule of attribute set of (string or signed integer or boolean)

Default:

```
{
  DEBUG = 0;
  DEBUG_TOOLBAR = 0;
  DATABASE_URL = lib.mkIf config.services.glitchtip.database.create \
Locally "postgresql://@/glitchtip";
  GLITCHTIP_DOMAIN = lib.mkIf config.services.glitchtip.nginx.creat \
eLocally "https://${config.services.glitchtip.nginx.domain}";
  GLITCHTIP_VERSION = config.services.glitchtip.package.version;
  GRANIAN_HOST = "127.0.0.1";
  GRANIAN_PORT = 8000;
  GRANIAN_STATIC_PATH_MOUNT = "${config.services.glitchtip.package} \
/lib/glitchtip/static";
  GRANIAN_WORKERS = 1;
  PYTHONUNBUFFERED = 1;
  REDIS_URL = lib.mkIf config.services.glitchtip.redis.createLocall \
y "unix://${config.services.redis.servers.glitchtip.unixSocket}";
```

```
}
```

Example:

```
{
  DATABASE_URL = "postgres://postgres:postgres@postgres/postgres";
  GLITCHTIP_DOMAIN = "https://glitchtip.example.com";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/glitchtip.nix>

services.glitchtip.settings.ENABLE_OBSERVABILITY_API
Whether to enable the Prometheus metrics endpoint.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/glitchtip.nix>

services.glitchtip.settings.ENABLE_ORGANIZATION_CREATION
When false, only superusers will be able to create new organizations after the first. When true, any user can create a new organization.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/glitchtip.nix>

services.glitchtip.settings.ENABLE_USER_REGISTRATION
When true, any user will be able to register. When false, user self−signup is disabled after the first user is registered. Subsequent users must be created by a superuser on the backend and organization invitations may only be sent to existing users.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/glitchtip.nix>

services.glitchtip.settings.GLITCHTIP_DOMAIN
The URL under which GlitchTip is externally reachable.

Type: null or string

Default:

```
null
```

Example:

```
"https://glitchtip.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/glitchtip.nix>

services.glitchtip.settings.GLITCHTIP_ENABLE_MCP
Whether to enable the MCP api.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/glitchtip.nix>

services.glitchtip.settings.GRANIAN_WORKERS
Number of granian workers to start

Type: positive integer, meaning >0

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/glitchtip.nix>

services.glitchtip.stateDir
State directory of glitchtip.

Type: absolute path

Default:

```
"/var/lib/glitchtip"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/glitchtip.nix>

services.glitchtip.user
The user account under which GlitchTip runs.

Type: string

Default:

```
"glitchtip"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/glitchtip.nix>

services.glpiAgent.enable
Whether to enable GLPI Agent.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/glpi−agent.nix>

services.glpiAgent.package

The glpi−agent package to use.

Type: package

Default:

```
pkgs.glpi−agent
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/glpi−agent.nix>

services.glpiAgent.settings

GLPI Agent configuration options. See **https://glpi−agent.readthedocs.io/en/latest/configuration.html** for all available options.

The ‘server’ option is mandatory and must point to your GLPI server.

Type: attribute set of (boolean or signed integer or string or list of string)

Default:

```
{ }
```

Example:

```
{
  server = [ "https://glpi.example.com/inventory" ];
  delaytime = 3600;
  tag = "production";
  logger = [ "stderr" "file" ];
  debug = 1;
  "no−category" = [ "printer" "software" ];
}
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/glpi−agent.nix>

services.glpiAgent.stateDir

Directory where GLPI Agent stores its state.

Type: string

Default:

```
"/var/lib/glpi−agent"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/glpi−agent.nix>

services.glusterfs.enable

Whether to enable GlusterFS Daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/glusterfs.nix>

services.glusterfs.enableGlustereventsd

Whether to enable the GlusterFS Events Daemon

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/glusterfs.nix>

services.glusterfs.extraFlags

Extra flags passed to the GlusterFS daemon

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/glusterfs.nix>

services.glusterfs.killMode

The systemd KillMode to use for glusterd.

glusterd spawns other daemons like gsyncd. If you want these to stop when glusterd is stopped (e.g. to ensure that NixOS config changes are reflected even for these sub−daemons), set this to ‘control−group’. If however you want running volume processes (glusterfsd) and thus gluster mounts not be interrupted when glusterd is restarted (for example, when you want to restart them manually at a later time), set this to ‘process’.

Type: one of “control−group”, “process”, “mixed”, “none”

Default:

```
"control-group"
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/glusterfs.nix>

services.glusterfs.logLevel

Log level used by the GlusterFS daemon

Type: one of “DEBUG”, “INFO”, “WARNING”, “ERROR”, “CRITICAL”, “TRACE”, “NONE”

Default:

```
"INFO"
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/glusterfs.nix>

services.glusterfs.stopKillTimeout

The systemd TimeoutStopSec to use.

After this time after having been asked to shut down, glusterd (and depending on the killMode setting also its child processes) are killed by systemd.

The default is set low because GlusterFS (as of 3.10) is known to not tell its children (like gsyncd) to terminate at all.

Type: string

Default:

```
"5s"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/glusterfs.nix>

services.glusterfs.tlsSettings
Make the server communicate via TLS. This means it will only connect to other gluster servers having certificates signed by the same CA.

Enabling this will create a file */var/lib/glusterd/secure−access*. Disabling will delete this file again.

See also: **https://gluster.readthedocs.io/en/latest/Administrator Guide/SSL/**

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/glusterfs.nix>

services.glusterfs.tlsSettings.caCert
Path certificate authority used to sign the cluster certificates.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/glusterfs.nix>

services.glusterfs.tlsSettings.tlsKeyPath
Path to the private key used for TLS.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/glusterfs.nix>

services.glusterfs.tlsSettings.tlsPem
Path to the certificate used for TLS.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/glusterfs.nix>

services.glusterfs.useRpcbind
Enable use of rpcbind. This is required for Gluster's NFS functionality.

You may want to turn it off to reduce the attack surface for DDoS reflection attacks.

See **https://davelozier.com/glusterfs−and−rpcbind−portmap−ddos−reflection−attacks/** and **https://bugzilla.redhat.com/show_bug.cgi?id=1426842** for details.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/glusterfs.nix>

services.gmediarender.enable
Whether to enable the gmediarender DLNA renderer.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/audio/gmediarender.nix>

services.gmediarender.package
The gmediarender package to use.

Type: package

Default:

```
pkgs.gmrender-resurrect
```

Declared by:
<nixpkgs/nixos/modules/services/audio/gmediarender.nix>

services.gmediarender.audioDevice
The audio device to use.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/audio/gmediarender.nix>

services.gmediarender.audioSink
The audio sink to use.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/audio/gmediarender.nix>

services.gmediarender.friendlyName
A “friendly name” for identifying the endpoint.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/audio/gmediarender.nix>

services.gmediarender.initialVolume
A default volume attenuation (in dB) for the endpoint.

Type: null or signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/services/audio/gmediarender.nix>

services.gmediarender.port

Port that will be used to accept client connections.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/audio/gmediarender.nix>

services.gmediarender.uuid

A UUID for uniquely identifying the endpoint. If you have multiple renderers on your network, you MUST set this.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/audio/gmediarender.nix>

services.gnome.at−spi2−core.enable

Whether to enable at−spi2−core, a service for the Assistive Technologies available on the GNOME platform.

Enable this if you get the error or warning ‘The name org.a11y.Bus was not provided by any .service files’.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/desktops/gnome/at−spi2−core.nix>

services.gnome.core−apps.enable

Whether to enable GNOME core apps.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/desktop−managers/gnome.nix>

services.gnome.core−developer−tools.enable

Whether to enable GNOME core developer tools.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktop−managers/gnome.nix>

services.gnome.core−os−services.enable
Whether to enable essential services for GNOME3.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktop−managers/gnome.nix>

services.gnome.core−shell.enable
Whether to enable GNOME Shell services.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktop−managers/gnome.nix>

services.gnome.evolution−data−server.enable
Whether to enable Evolution Data Server, a collection of services for storing addressbooks and calendars.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/gnome/evolution−data−server.nix>

services.gnome.evolution−data−server.plugins
Plugins for Evolution Data Server.

Type: list of package

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/gnome/evolution−data−server.nix>

services.gnome.games.enable
Whether to enable GNOME games.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktop-managers/gnome.nix>

services.gnome.gcr-ssh-agent.enable
Whether to enable GCR SSH agent.

Type: boolean

Default:

```
config.services.gnome.gnome-keyring.enable
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/gnome/gcr-ssh-agent.nix>

services.gnome.gcr-ssh-agent.package
The GCR package to use.

Type: package

Default:

```
pkgs.gcr_4
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/gnome/gcr-ssh-agent.nix>

services.gnome.glib-networking.enable
Whether to enable network extensions for GLib.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/gnome/glib-networking.nix>

services.gnome.gnome-browser-connector.enable
Whether to enable native host connector for the GNOME Shell browser extension, a DBus service allowing to install GNOME Shell extensions from a web browser .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/gnome/gnome-browser-connector.nix>

services.gnome.gnome−initial−setup.enable
Whether to enable GNOME Initial Setup, a Simple, easy, and safe way to prepare a new system.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/gnome/gnome−initial−setup.nix>

services.gnome.gnome−keyring.enable
Whether to enable GNOME Keyring daemon, a service designed to take care of the user's security credentials, such as user names and passwords .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/gnome/gnome−keyring.nix>

services.gnome.gnome−online−accounts.enable
Whether to enable GNOME Online Accounts daemon, a service that provides a single sign−on framework for the GNOME desktop.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/gnome/gnome−online−accounts.nix>

services.gnome.gnome−remote−desktop.enable
Whether to enable Remote Desktop support using Pipewire.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/gnome/gnome−remote−desktop.nix>

services.gnome.gnome−settings−daemon.enable
Whether to enable GNOME Settings Daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/gnome/gnome−settings−daemon.nix>

services.gnome.gnome−software.enable
Whether to enable GNOME Software, package manager for GNOME.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/gnome/gnome−software.nix>

services.gnome.gnome−user−share.enable
Whether to enable GNOME User Share, a user−level file sharing service for GNOME.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/gnome/gnome−user−share.nix>

services.gnome.localsearch.enable
Whether to enable LocalSearch, indexing services for TinySPARQL search engine and metadata storage system.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/gnome/localsearch.nix>

services.gnome.rygel.enable
Whether to enable Rygel UPnP Mediaserver.

You will need to also allow UPnP connections in firewall, see the following **comment**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/gnome/rygel.nix>

services.gnome.rygel.package
The rygel package to use.

Type: package

Default:

```
pkgs.rygel
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/gnome/rygel.nix>

services.gnome.sushi.enable
Whether to enable Sushi, a quick previewer for nautilus.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/gnome/sushi.nix>

services.gnome.tinysparql.enable
Whether to enable TinySPARQL services, a search engine, search tool and metadata storage system.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/gnome/tinysparql.nix>

services.gns3-server.enable
Whether to enable GNS3 Server daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/gns3-server.nix>

services.gns3-server.package
The gns3-server package to use.

Type: package

Default:

```
pkgs.gns3-server
```

Declared by:
<nixpkgs/nixos/modules/services/networking/gns3-server.nix>

services.gns3−server.auth.enable

Whether to enable password based HTTP authentication to access the GNS3 Server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/gns3−server.nix>

services.gns3−server.auth.passwordFile

A file containing the password to access the GNS3 Server.

Warning
This should be a string, not a nix path, since nix paths are copied into the world−readable nix store.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/gns3−server−password"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/gns3−server.nix>

services.gns3−server.auth.user

Username used to access the GNS3 Server.

Type: null or string

Default:

```
null
```

Example:

```
"gns3"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/gns3−server.nix>

services.gns3−server.dynamips.enable

Whether to enable Dynamips support.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/gns3−server.nix>

services.gns3-server.dynamips.package
The dynamips package to use.

Type: package

Default:

```
pkgs.dynamips
```

Declared by:
<nixpkgs/nixos/modules/services/networking/gns3-server.nix>

services.gns3-server.log.debug
Whether to enable debug logging.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/gns3-server.nix>

services.gns3-server.log.file
Path of the file GNS3 Server should log to.

Type: null or absolute path

Default:

```
"/var/log/gns3/server.log"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/gns3-server.nix>

services.gns3-server.settings
The global options in ‘config’ file in ini format.

Refer to **https://docs.gns3.com/docs/using-gns3/administration/gns3-server-configuration-file/** for all available options.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Example:

```
{
  host = "127.0.0.1";
  port = 3080;
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/gns3-server.nix>

services.gns3-server.ssl.enable
Whether to enable SSL encryption.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/gns3-server.nix>

services.gns3-server.ssl.certFile
Path to the SSL certificate file. This certificate will be offered to, and may be verified by, clients.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/lib/gns3/ssl/server.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/gns3-server.nix>

services.gns3-server.ssl.keyFile
Private key file for the certificate.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/lib/gns3/ssl/server.key"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/gns3-server.nix>

services.gns3-server.ubridge.enable
Whether to enable uBridge support.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/gns3-server.nix>

services.gns3-server.ubridge.package
The ubridge package to use.

Type: package

Default:

```
pkgs.ubridge
```

Declared by:
<nixpkgs/nixos/modules/services/networking/gns3−server.nix>

services.gns3−server.vpcs.enable
Whether to enable VPCS support.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/gns3−server.nix>

services.gns3−server.vpcs.package
The vpcs package to use.

Type: package

Default:

```
pkgs.vpcs
```

Declared by:
<nixpkgs/nixos/modules/services/networking/gns3−server.nix>

services.gnunet.enable
Whether to run the GNUnet daemon. GNUnet is GNU's anonymous peer−to−peer communication and file sharing framework.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/gnunet.nix>

services.gnunet.package
The gnunet package to use.

Type: package

Default:

```
pkgs.gnunet
```

Example:

```
gnunet_git
```

Declared by:
<nixpkgs/nixos/modules/services/networking/gnunet.nix>

services.gnunet.extraOptions
Additional options that will be copied verbatim in *gnunet.conf*. See **gnunet.conf**(5) for details.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/gnunet.nix>

services.gnunet.fileSharing.quota
Maximum file system usage (in MiB) for file sharing.

Type: signed integer

Default:

```
1024
```

Declared by:
<nixpkgs/nixos/modules/services/networking/gnunet.nix>

services.gnunet.load.hardNetUpBandwidth
Hard bandwidth limit (in bits per second) when uploading data.

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/services/networking/gnunet.nix>

services.gnunet.load.maxNetDownBandwidth
Maximum bandwidth usage (in bits per second) for GNUnet when downloading data.

Type: signed integer

Default:

```
50000
```

Declared by:
<nixpkgs/nixos/modules/services/networking/gnunet.nix>

services.gnunet.load.maxNetUpBandwidth
Maximum bandwidth usage (in bits per second) for GNUnet when downloading data.

Type: signed integer

Default:

```
50000
```

Declared by:
<nixpkgs/nixos/modules/services/networking/gnunet.nix>

services.gnunet.tcp.port
The TCP port for use by GNUnet.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
2086
```

Declared by:
<nixpkgs/nixos/modules/services/networking/gnunet.nix>

services.gnunet.udp.port
The UDP port for use by GNUnet.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
2086
```

Declared by:
<nixpkgs/nixos/modules/services/networking/gnunet.nix>

services.go−autoconfig.enable
Whether to enable IMAP/SMTP autodiscover feature for mail clients.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/go−autoconfig.nix>

services.go−autoconfig.settings
Configuration for go−autoconfig. See **https://github.com/L11R/go−autoconfig/blob/master/config.yml** for more information.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Example:

```
{
  service_addr = ":1323";
  domain = "autoconfig.example.org";
  imap = {
    server = "example.org";
    port = 993;
  };
  smtp = {
    server = "example.org";
    port = 465;
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/go−autoconfig.nix>

services.go−camo.enable
Whether to enable go−camo service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/go−camo.nix>

services.go−camo.extraOptions
Extra options passed to the go−camo command.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/go−camo.nix>

services.go−camo.keyFile
A file containing the HMAC key to use for signing URLs. The file can contain any string. Can be generated using “openssl rand −base64 18 > the_file”.

Type: absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/go−camo.nix>

services.go−camo.listen
Address:Port to bind to for HTTP (default: 0.0.0.0:8080).

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/go−camo.nix>

services.go−camo.sslCert
Path to TLS certificate.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/go−camo.nix>

services.go−camo.sslKey
Path to TLS private key.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/go−camo.nix>

services.go−camo.sslListen
Address:Port to bind to for HTTPS.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/go-camo.nix>

services.go-csp-collector.enable
Whether to enable go-csp-collector, a content security policy violation collector.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/go-csp-collector.nix>

services.go-csp-collector.package
The go-csp-collector package to use.

Type: package

Default:

```
pkgs.go-csp-collector
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/go-csp-collector.nix>

services.go-csp-collector.settings
Settings for go-csp-collector. See **https://github.com/jacobbednarz/go-csp-collector** for supported options.

Type: open submodule of attribute set of (boolean or absolute path or string)

Default:

```
{ }
```

Example:

```
{
  debug = true;
  health-check-path = "/health";
}
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/go-csp-collector.nix>

services.go-csp-collector.settings.output-format
Define how the violation reports are formatted for output.

Type: one of “text”, “json”

Default:

```
"text"
```

Example:

```
"text"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/go-csp-collector.nix>

services.go−csp−collector.settings.port

The port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Example:

```
8080
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/go−csp−collector.nix>

services.go−httpbin.enable

Whether to enable go−httpbin.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/go−httpbin.nix>

services.go−httpbin.package

The go−httpbin package to use.

Type: package

Default:

```
pkgs.go−httpbin
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/go−httpbin.nix>

services.go−httpbin.settings

Configuration of go−httpbin. See **https://github.com/mccutchen/go−httpbin#configuration** for a list of options.

Type: open submodule of attribute set of (string or signed integer or boolean)

Example:

```
{
  HOST = "0.0.0.0";
  PORT = 8080;
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/go−httpbin.nix>

services.go−httpbin.settings.HOST

The host to listen on.

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/go−httpbin.nix>

services.go−httpbin.settings.PORT
The port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Example:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/go−httpbin.nix>

services.go−neb.enable
Whether to enable an extensible matrix bot written in Go.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/go−neb.nix>

services.go−neb.baseUrl
Public−facing endpoint that can receive webhooks.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/go−neb.nix>

services.go−neb.bindAddress
Port (and optionally address) to listen on.

Type: string

Default:

```
":4050"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/go−neb.nix>

services.go−neb.config
Your *config.yaml* as a Nix attribute set. See **config.sample.yaml** for possible options.

Type: YAML 1.1 value

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/go−neb.nix>

services.go−neb.secretFile

Environment variables from this file will be interpolated into the final config file using envsubst with this syntax: '$ENVIRONMENT' or '${VARIABLE}'. The file should contain lines formatted as 'SECRET_VAR=SECRET_VALUE'. This is useful to avoid putting secrets into the nix store.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/go−neb.env"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/go−neb.nix>

services.go−shadowsocks2.server.enable

Whether to enable go−shadowsocks2 server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/go−shadowsocks2.nix>

services.go−shadowsocks2.server.listenAddress

Server listen address or URL

Type: string

Example:

```
"ss://AEAD_CHACHA20_POLY1305:your−password@:8488"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/go−shadowsocks2.nix>

services.go2rtc.enable

Whether to enable go2rtc streaming server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/video/go2rtc/default.nix>

services.go2rtc.package

The go2rtc package to use.

Type: package

Default:

```
pkgs.go2rtc
```

Declared by:
<nixpkgs/nixos/modules/services/video/go2rtc/default.nix>

services.go2rtc.settings
go2rtc configuration as a Nix attribute set.

See the **wiki** for possible configuration options.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/video/go2rtc/default.nix>

services.go2rtc.settings.api.listen
API listen address, conforming to a Go address string.

Type: string

Default:

```
":1984"
```

Example:

```
"127.0.0.1:1984"
```

Declared by:
<nixpkgs/nixos/modules/services/video/go2rtc/default.nix>

services.go2rtc.settings.ffmpeg.bin
The ffmpeg package to use for transcoding.

Type: absolute path

Default:

```
lib.getExe pkgs.ffmpeg-headless
```

Declared by:
<nixpkgs/nixos/modules/services/video/go2rtc/default.nix>

services.go2rtc.settings.streams
Stream source configuration. Multiple source types are supported.

Check the **configuration reference** for possible options.

Type: attribute set of (string or list of string)

Default:

```
{ }
```

Example:

```
{
  cam1 = "onvif://admin:password@192.168.1.123:2020";
  cam2 = "tcp://192.168.1.123:12345";
}
```

Declared by:
<nixpkgs/nixos/modules/services/video/go2rtc/default.nix>

services.goatcounter.enable
Whether to enable goatcounter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/goatcounter.nix>

services.goatcounter.package
The goatcounter package to use.

Type: package

Default:

```
pkgs.goatcounter
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/goatcounter.nix>

services.goatcounter.address
Web interface address.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/goatcounter.nix>

services.goatcounter.extraArgs
List of extra arguments to be passed to goatcounter cli. See **goatcounter help serve** for more information.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/goatcounter.nix>

services.goatcounter.port
Web interface port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8081
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/goatcounter.nix>

services.goatcounter.proxy

Whether Goatcounter service is running behind a reverse proxy. Will listen for HTTPS if ‘false’. Refer to **documentation** for more details.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/goatcounter.nix>

services.gobgpd.enable

Whether to enable GoBGP Routing Daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/gobgpd.nix>

services.gobgpd.settings

GoBGP configuration. Refer to **https://github.com/osrg/gobgp#documentation** for details on supported values.

Type: TOML value

Default:

```
{ }
```

Example:

```
{
  global = {
    config = {
      as = 64512;
      router−id = "192.168.255.1";
    };
  };
  neighbors = [
    {
      config = {
        neighbor−address = "10.0.255.1";
        peer−as = 65001;
      };
    }
    {
      config = {
        neighbor−address = "10.0.255.2";
        peer−as = 65002;
      };
    }
  ];
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/gobgpd.nix>

services.gocd−agent.enable
Whether to enable gocd−agent.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/gocd−agent/default.nix>

services.gocd−agent.packages
Packages to add to PATH for the Go.CD agent process.

Type: list of package

Default:

```
[ pkgs.stdenv pkgs.jre pkgs.git config.programs.ssh.package pkgs.ni \
x ]
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/gocd−agent/default.nix>

services.gocd−agent.agentConfig
Agent registration configuration.

Type: string

Default:

```
""
```

Example:

```
agent.auto.register.resources=ant,java
agent.auto.register.environments=QA,Performance
agent.auto.register.hostname=Agent01
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/gocd−agent/default.nix>

services.gocd−agent.environment
Additional environment variables to be passed to the Go.CD agent process. As a base environment, Go.CD agent receives NIX_PATH from **environment.sessionVariables**, NIX_REMOTE is set to “daemon”.

Type: attribute set of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/gocd−agent/default.nix>

services.gocd−agent.extraGroups

List of extra groups that the “gocd−agent” user should be a part of.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "wheel"
  "docker"
]
```

Declared by:

<nixpkgs/nixos/modules/services/continuous−integration/gocd−agent/default.nix>

services.gocd−agent.extraOptions

Specifies additional command line arguments to pass to Go.CD agent java process. Example contains debug and gcLog arguments.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "−X debug"
  "−Xrunjdwp:transport=dt_socket,server=y,suspend=n,address=5006"
  "−verbose:gc"
  "−Xloggc:go−agent−gc.log"
  "−XX:+PrintGCTimeStamps"
  "−XX:+PrintTenuringDistribution"
  "−XX:+PrintGCDetails"
  "−XX:+PrintGC"
]
```

Declared by:

<nixpkgs/nixos/modules/services/continuous−integration/gocd−agent/default.nix>

services.gocd−agent.goServer

URL of the GoCD Server to attach the Go.CD Agent to.

Type: string

Default:

```
"https://127.0.0.1:8154/go"
```

Declared by:

<nixpkgs/nixos/modules/services/continuous−integration/gocd−agent/default.nix>

services.gocd−agent.group

If the default user “gocd−agent” is configured then this is the primary group of that user.

Type: string

Default:

```
"gocd−agent"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/gocd-agent/default.nix>

services.gocd-agent.initialJavaHeapSize
Specifies the initial java heap memory size for the Go.CD agent java process.

Type: string

Default:

```
"128m"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/gocd-agent/default.nix>

services.gocd-agent.maxJavaHeapMemory
Specifies the java maximum heap memory size for the Go.CD agent java process.

Type: string

Default:

```
"256m"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/gocd-agent/default.nix>

services.gocd-agent.startupOptions
Specifies startup command line arguments to pass to Go.CD agent java process.

Type: list of string

Default:

```
[
  "-Xms${config.services.gocd-agent.initialJavaHeapSize}"
  "-Xmx${config.services.gocd-agent.maxJavaHeapMemory}"
  "-Djava.io.tmpdir=/tmp"
  "-Dcruise.console.publish.interval=10"
  "-Djava.security.egd=file:/dev/./urandom"
]
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/gocd-agent/default.nix>

services.gocd-agent.user
User the Go.CD agent should execute under.

Type: string

Default:

```
"gocd-agent"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/gocd-agent/default.nix>

services.gocd-agent.workDir
Specifies the working directory in which the Go.CD agent java archive resides.

Type: string

Default:

```
"/var/lib/go-agent"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/gocd−agent/default.nix>

services.gocd−server.enable
Whether to enable gocd−server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/gocd−server/default.nix>

services.gocd−server.packages
Packages to add to PATH for the Go.CD server's process.

Type: list of package

Default:

```
[ pkgs.stdenv pkgs.jre pkgs.git config.programs.ssh.package pkgs.ni \
x ]
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/gocd−server/default.nix>

services.gocd−server.environment
Additional environment variables to be passed to the gocd−server process. As a base environment, gocd−server receives NIX_PATH from **environment.sessionVariables**, NIX_REMOTE is set to "daemon".

Type: attribute set of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/gocd−server/default.nix>

services.gocd−server.extraGroups
List of extra groups that the "gocd−server" user should be a part of.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "wheel"
  "docker"
]
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/gocd−server/default.nix>

services.gocd−server.extraOptions

Specifies additional command line arguments to pass to Go.CD server's java process. Example contains debug and gcLog arguments.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "−X debug"
  "−Xrunjdwp:transport=dt_socket,server=y,suspend=n,address=5005"
  "−verbose:gc"
  "−Xloggc:go−server−gc.log"
  "−XX:+PrintGCTimeStamps"
  "−XX:+PrintTenuringDistribution"
  "−XX:+PrintGCDetails"
  "−XX:+PrintGC"
]
```

Declared by:

<nixpkgs/nixos/modules/services/continuous−integration/gocd−server/default.nix>

services.gocd−server.group

If the default user "gocd−server" is configured then this is the primary group of that user.

Type: string

Default:

```
"gocd−server"
```

Declared by:

<nixpkgs/nixos/modules/services/continuous−integration/gocd−server/default.nix>

services.gocd−server.initialJavaHeapSize

Specifies the initial java heap memory size for the Go.CD server's java process.

Type: string

Default:

```
"512m"
```

Declared by:

<nixpkgs/nixos/modules/services/continuous−integration/gocd−server/default.nix>

services.gocd−server.listenAddress

Specifies the bind address on which the Go.CD server HTTP interface listens.

Type: string

Default:

```
"0.0.0.0"
```

Example:

```
"localhost"
```

Declared by:

<nixpkgs/nixos/modules/services/continuous−integration/gocd−server/default.nix>

services.gocd−server.maxJavaHeapMemory

Specifies the java maximum heap memory size for the Go.CD server's java process.

Type: string

Default:

```
"1024m"
```

Declared by:

<nixpkgs/nixos/modules/services/continuous−integration/gocd−server/default.nix>

services.gocd−server.port

Specifies port number on which the Go.CD server HTTP interface listens.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8153
```

Declared by:

<nixpkgs/nixos/modules/services/continuous−integration/gocd−server/default.nix>

services.gocd−server.sslPort

Specifies port number on which the Go.CD server HTTPS interface listens.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8154
```

Declared by:

<nixpkgs/nixos/modules/services/continuous−integration/gocd−server/default.nix>

services.gocd−server.startupOptions

Specifies startup command line arguments to pass to Go.CD server java process.

Type: list of string

Default:

```
[
  "−Xms${config.services.gocd−server.initialJavaHeapSize}"
  "−Xmx${config.services.gocd−server.maxJavaHeapMemory}"
  "−Dcruise.listen.host=${config.services.gocd−server.listenAddre \
ss}"
  "−Duser.language=en"
  "−Djruby.rack.request.size.threshold.bytes=30000000"
  "−Duser.country=US"
  "−Dcruise.config.dir=${config.services.gocd−server.workDir}/con \
f"
  "−Dcruise.config.file=${config.services.gocd−server.workDir}/co \
nf/cruise−config.xml"
  "−Dcruise.server.port=${toString config.services.gocd−server.po \
rt}"
  "−Dcruise.server.ssl.port=${toString config.services.gocd−serve \
r.sslPort}"
  "−−add−opens=java.base/java.lang=ALL−UNNAMED"
  "−−add−opens=java.base/java.util=ALL−UNNAMED"
]
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/gocd−server/default.nix>

services.gocd−server.user
User the Go.CD server should execute under.

Type: string

Default:

```
"gocd−server"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/gocd−server/default.nix>

services.gocd−server.workDir
Specifies the working directory in which the Go.CD server java archive resides.

Type: string

Default:

```
"/var/lib/go−server"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/gocd−server/default.nix>

services.godns.enable
Whether to enable GoDNS service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/godns.nix>

services.godns.package
The godns package to use.

Type: package

Default:

```
pkgs.godns
```

Declared by:
<nixpkgs/nixos/modules/services/networking/godns.nix>

services.godns.loadCredential
This can be used to pass secrets to the systemd service without adding them to the nix store.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "login_token:/path/to/login_token"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/godns.nix>

services.godns.settings
Configuration for GoDNS. Refer to the **configuration section** in the GoDNS GitHub repository for details.

Type: open submodule of (YAML 1.1 value)

Example:

```
{
  domains = [
    {
      domain_name = "example.com";
      sub_domains = [
        "foo"
      ];
    }
  ];
  interval = 300;
  ip_type = "IPv6";
  ipv6_urls = [
    "https://api6.ipify.org"
    "https://ip2location.io/ip"
    "https://v6.ipinfo.io/ip"
  ];
  login_token_file = "$CREDENTIALS_DIRECTORY/login_token";
  provider = "Cloudflare";
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/godns.nix>

services.goeland.enable
Whether to enable goeland, an alternative to rss2email.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/goeland.nix>

services.goeland.schedule
How often to run goeland, in systemd time format.

Type: string

Default:

```
"12h"
```

Example:

```
"Mon, 00:00:00"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/goeland.nix>

services.goeland.settings
Configuration of goeland. See the **example config file** for the available options.

Type: TOML value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/mail/goeland.nix>

services.goeland.stateDir
The data directory for goeland where the database will reside if using the unseen filter. If left as the default value this directory will automatically be created before the goeland server starts, otherwise you are responsible for ensuring the directory exists with appropriate ownership and permissions.

Type: absolute path

Default:

```
"/var/lib/goeland"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/goeland.nix>

services.gokapi.enable
Whether to enable Lightweight selfhosted Firefox Send alternative without public upload.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/gokapi.nix>

services.gokapi.package
The gokapi package to use.

Type: package

Default:

```
pkgs.gokapi
```

Declared by:
<nixpkgs/nixos/modules/services/networking/gokapi.nix>

services.gokapi.environment
Environment variables to be set for the gokapi service. Can use systemd specifiers. For full list see **https://gokapi.readthedocs.io/en/latest/advanced.html#environment-variables**.

Type: open submodule of attribute set of (string or signed integer)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/gokapi.nix>

services.gokapi.environment.GOKAPI_CONFIG_DIR
Sets the directory for the config file.

Type: string

Default:

```
"%S/gokapi/config"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/gokapi.nix>

services.gokapi.environment.GOKAPI_CONFIG_FILE
Sets the filename for the config file.

Type: string

Default:

```
"config.json"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/gokapi.nix>

services.gokapi.environment.GOKAPI_DATA_DIR
Sets the directory for the data.

Type: string

Default:

```
"%S/gokapi/data"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/gokapi.nix>

services.gokapi.environment.GOKAPI_PORT
Sets the port of the service.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
53842
```

Declared by:
<nixpkgs/nixos/modules/services/networking/gokapi.nix>

services.gokapi.mutableSettings
Allow changes to the program config made by the program to persist between restarts. If disabled all required values must be set using nix, and all changes to config format over application updates must be resolved by user.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/gokapi.nix>

services.gokapi.settings

Configuration settings for the generated config json file. See **https://gokapi.readthedocs.io/en/latest/advanced.html#config−json** for more information

Type: open submodule of (JSON value)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/gokapi.nix>

services.gokapi.settingsFile

Path to config file to parse and append to settings. Largely useful for loading secrets from a file not in the nix store. Can use systemd specifiers. See **https://gokapi.readthedocs.io/en/latest/advanced.html#config−json** for more information

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/gokapi.nix>

services.gollum.enable

Whether to enable Gollum, a git−powered wiki service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/gollum.nix>

services.gollum.package

The gollum package to use.

Type: package

Default:

```
pkgs.gollum
```

Declared by:

<nixpkgs/nixos/modules/services/misc/gollum.nix>

services.gollum.address

IP address on which the web server will listen.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/gollum.nix>

services.gollum.allowUploads
Enable uploads of external files

Type: null or one of “dir”, “page”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gollum.nix>

services.gollum.branch
Git branch to serve

Type: string

Default:

```
"master"
```

Example:

```
"develop"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gollum.nix>

services.gollum.emoji
Parse and interpret emoji tags

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gollum.nix>

services.gollum.extraConfig
Content of the configuration file

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
wiki_options = {
  show_local_time: true
}

Precious::App.set(:wiki_options, wiki_options)
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gollum.nix>

services.gollum.group
Specifies the owner group of the wiki directory

Type: string

Default:

```
"gollum"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gollum.nix>

services.gollum.h1−title
Use the first h1 as page title

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gollum.nix>

services.gollum.math
Enable support for math rendering using KaTeX

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gollum.nix>

services.gollum.no−edit
Disable editing pages

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gollum.nix>

services.gollum.port
Port on which the web server will run.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
4567
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gollum.nix>

services.gollum.stateDir
Specifies the path of the repository directory. If it does not exist, Gollum will create it on startup.

Type: absolute path

Default:

```
"/var/lib/gollum"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gollum.nix>

services.gollum.user
Specifies the owner of the wiki directory

Type: string

Default:

```
"gollum"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gollum.nix>

services.gollum.user−icons
Enable specific user icons for history view

Type: null or one of “gravatar”, “identicon”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gollum.nix>

services.gonic.enable
Whether to enable Gonic music server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/audio/gonic.nix>

services.gonic.package
The gonic package to use.

Type: package

Default:

```
pkgs.gonic
```

Declared by:
<nixpkgs/nixos/modules/services/audio/gonic.nix>

services.gonic.settings
Configuration for Gonic, see **https://github.com/sentriz/gonic#configuration−options** for supported values.

Type: attribute set of (atom (null, bool, int, float or string) or a list of them for duplicate keys)

Default:

```
{
  cache−path = "/var/cache/gonic";
  listen−addr = "127.0.0.1:4747";
  tls−cert = null;
  tls−key = null;
}
```

Example:

```
{
  music−path = [
    "/mnt/music"
  ];
  playlists−path = "/mnt/playlists";
```

```
  podcast-path = "/mnt/podcasts";
}
```

Declared by:
<nixpkgs/nixos/modules/services/audio/gonic.nix>

services.goss.enable
Whether to enable Goss daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/goss.nix>

services.goss.package
The goss package to use.

Type: package

Default:

```
pkgs.goss
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/goss.nix>

services.goss.environment
Environment variables to set for the goss service.

See **https://github.com/goss-org/goss/blob/master/docs/manual.md**

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  GOSS_FMT = "json";
  GOSS_LISTEN = ":8080";
  GOSS_LOGLEVEL = "FATAL";
}
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/goss.nix>

services.goss.settings
The global options in ‘config’ file in yaml format.

Refer to **https://github.com/goss-org/goss/blob/master/docs/goss-json-schema.yaml** for schema.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Example:

```
{
```

```
      addr = {
        "tcp://localhost:8080" = {
          local-address = "127.0.0.1";
          reachable = true;
        };
      };
      service = {
        goss = {
          enabled = true;
          running = true;
        };
      };
    }
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/goss.nix>

services.gotenberg.enable
Whether to enable Gotenberg, a stateless API for PDF files.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gotenberg.nix>

services.gotenberg.enableBasicAuth
HTTP Basic Authentication.

If you set this, be sure to set 'GOTENBERG_API_BASIC_AUTH_USERNAME'and 'GOTENBERG_API_BASIC_AUTH_PASSWORD' in your 'services.gotenberg.environmentFile' file.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gotenberg.nix>

services.gotenberg.package
The gotenberg package to use.

Type: package

Default:

```
pkgs.gotenberg
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gotenberg.nix>

services.gotenberg.bindIP

Port the API listener should bind to. Set to 0.0.0.0 to listen on all available IPs.

Type: null or string

Default:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/gotenberg.nix>

services.gotenberg.bodyLimit

Sets the max limit for ‘multipart/form−data’ requests. Accepts values like ‘5M’, ‘20G’, etc.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/misc/gotenberg.nix>

services.gotenberg.chromium.package

The chromium package to use.

Type: package

Default:

```
pkgs.chromium
```

Declared by:

<nixpkgs/nixos/modules/services/misc/gotenberg.nix>

services.gotenberg.chromium.autoStart

Automatically start Chromium when Gotenberg starts. If false, Chromium will start on the first conversion request that uses it.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/gotenberg.nix>

services.gotenberg.chromium.disableJavascript

Disable Javascript execution.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/gotenberg.nix>

services.gotenberg.chromium.disableRoutes

Disable all routes allowing Chromium−based conversion.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gotenberg.nix>

services.gotenberg.chromium.maxQueueSize
Maximum queue size for chromium−based conversions. Setting to 0 disables the limit.

Type: unsigned integer, meaning >=0

Default:

Declared by:
<nixpkgs/nixos/modules/services/misc/gotenberg.nix>

services.gotenberg.downloadFrom.allowList
Allow these URLs to be used in the 'downloadFrom' API field. Accepts a regular expression.

Type: null or string

Default:

```
".*"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gotenberg.nix>

services.gotenberg.downloadFrom.denyList
Deny accepting URLs from these domains in the 'downloadFrom' API field. Accepts a regular expression.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gotenberg.nix>

services.gotenberg.downloadFrom.disable
Whether to disable the ability to download files for conversion from outside sources.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gotenberg.nix>

services.gotenberg.downloadFrom.maxRetries
The maximum amount of times to retry downloading a file specified with 'downloadFrom'.

Type: unsigned integer, meaning >=0

Default:

```
4
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gotenberg.nix>

services.gotenberg.environmentFile
Environment file to load extra environment variables from.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gotenberg.nix>

services.gotenberg.extraArgs
Any extra command−line flags to pass to the Gotenberg service.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gotenberg.nix>

services.gotenberg.extraFontPackages
Extra fonts to make available.

Type: list of package

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gotenberg.nix>

services.gotenberg.libreoffice.package
The libreoffice package to use.

Type: package

Default:

```
pkgs.libreoffice
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gotenberg.nix>

services.gotenberg.libreoffice.autoStart
Automatically start LibreOffice when Gotenberg starts. If false, LibreOffice will start on the first conversion request that uses it.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gotenberg.nix>

services.gotenberg.libreoffice.disableRoutes
Disable all routes allowing LibreOffice−based conversion.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gotenberg.nix>

services.gotenberg.libreoffice.maxQueueSize

Maximum queue size for LibreOffice−based conversions. Setting to 0 disables the limit.

Type: unsigned integer, meaning >=0

Default:

Declared by:

<nixpkgs/nixos/modules/services/misc/gotenberg.nix>

services.gotenberg.libreoffice.restartAfter

Restart LibreOffice after this many conversions. Setting to 0 disables this feature.

Type: unsigned integer, meaning >=0

Default:

```
10
```

Declared by:

<nixpkgs/nixos/modules/services/misc/gotenberg.nix>

services.gotenberg.logLevel

The logging level for Gotenberg.

Type: one of “error”, “warn”, “info”, “debug”

Default:

```
"info"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/gotenberg.nix>

services.gotenberg.pdfEngines.convert

PDF Engines to use for converting files.

Type: list of value “libreoffice−pdfengine” (singular enum)

Default:

```
[
  "libreoffice-pdfengine"
]
```

Declared by:

<nixpkgs/nixos/modules/services/misc/gotenberg.nix>

services.gotenberg.pdfEngines.disableRoutes

Disable routes related to PDF engines.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/gotenberg.nix>

services.gotenberg.pdfEngines.merge

PDF Engines to use for merging files.

Type: list of (one of “qpdf”, “pdfcpu”, “pdftk”)

Default:

```
[
  "qpdf"
```

```
  "pdfcpu"
  "pdftk"
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gotenberg.nix>

services.gotenberg.pdfEngines.readMetadata
PDF Engines to use for reading metadata from files.

Type: list of value “exiftool” (singular enum)

Default:

```
[
  "exiftool"
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gotenberg.nix>

services.gotenberg.pdfEngines.writeMetadata
PDF Engines to use for writing metadata to files.

Type: list of value “exiftool” (singular enum)

Default:

```
[
  "exiftool"
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gotenberg.nix>

services.gotenberg.port
Port on which the API should listen.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gotenberg.nix>

services.gotenberg.rootPath
Root path for the Gotenberg API.

Type: string

Default:

```
"/"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gotenberg.nix>

services.gotenberg.timeout
Timeout for API requests.

Type: null or string

Default:

```
"30s"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gotenberg.nix>

services.gotify.enable
Whether to enable Gotify webserver.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gotify−server.nix>

services.gotify.package
The gotify−server package to use.

Type: package

Default:

```
pkgs.gotify−server
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gotify−server.nix>

services.gotify.environment
Config environment variables for the gotify−server. See **https://gotify.net/docs/config** for more details.

Type: attribute set of (string or signed integer)

Default:

```
{ }
```

Example:

```
{
  GOTIFY_DATABASE_DIALECT = "sqlite3";
  GOTIFY_SERVER_PORT = 8080;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gotify−server.nix>

services.gotify.environmentFiles
Files containing additional config environment variables for gotify−server. Secrets should be set in environmentFiles instead of environment.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gotify−server.nix>

services.gotify.stateDirectoryName

The name of the directory below */var/lib* where gotify stores its runtime data.

Type: string

Default:

```
"gotify-server"
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/gotify-server.nix>

services.gotosocial.enable

Whether to enable ActivityPub social network server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/gotosocial.nix>

services.gotosocial.package

The gotosocial package to use.

Type: package

Default:

```
pkgs.gotosocial
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/gotosocial.nix>

services.gotosocial.environmentFile

File path containing environment variables for configuring the GoToSocial service in the format of an EnvironmentFile as described by **systemd.exec**(5).

This option could be used to pass sensitive configuration to the GoToSocial daemon.

Please refer to the Environment Variables section in the **documentation**.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/root/nixos/secrets/gotosocial.env"
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/gotosocial.nix>

services.gotosocial.openFirewall

Open the configured port in the firewall. Using a reverse proxy instead is highly recommended.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gotosocial.nix>

services.gotosocial.settings
Contents of the GoToSocial YAML config.

Please refer to the **documentation** and **example config**.

Please note that the 'host' option cannot be changed later so it is important to configure this correctly before you start GoToSocial.

Type: YAML 1.1 value

Default:

```
{
  application−name = "gotosocial";
  bind−address = "127.0.0.1";
  db−address = "/var/lib/gotosocial/database.sqlite";
  db−type = "sqlite";
  port = 8080;
  protocol = "https";
  storage−local−base−path = "/var/lib/gotosocial/storage";
}
```

Example:

```
{
  application−name = "My GoToSocial";
  host = "gotosocial.example.com";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gotosocial.nix>

services.gotosocial.setupPostgresqlDB
Whether to setup a local postgres database and populate the 'db−type' fields in 'services.gotosocial.settings'.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/gotosocial.nix>

services.goupile.enable
Whether to enable Goupile server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/goupile.nix>

services.goupile.enableSandbox
Enable the sandbox option.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/goupile.nix>

services.goupile.package
The goupile package to use.

Type: package

Default:

```
pkgs.goupile
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/goupile.nix>

services.goupile.configFile
The configuration file to be passed to goupile server.

By default the configuration file is created from ‘services.goupile.settings’.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/web−apps/goupile.nix>

services.goupile.hostName
Nginx service name for goupile service.

Type: string

Default:

```
"goupile"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/goupile.nix>

services.goupile.settings
The options for ‘systemd.services.goupile’ in ini format.

The configuration options available can be found here https://github.com/Koromix/rygel/blob/goupile/3.11.1/src/goupile/server/admin.cc#L41

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Example:

```
{
  HTTP.Port = 8888;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/goupile.nix>

services.goupile.settings.Data.RootDirectory
Goupile's data directory.

Type: string

Default:

```
"/var/lib/goupile"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/goupile.nix>

services.goupile.settings.HTTP.Port
The port goupile runs on

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8889
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/goupile.nix>

services.govee2mqtt.enable
Whether to enable Govee2MQTT.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/govee2mqtt.nix>

services.govee2mqtt.package
The govee2mqtt package to use.

Type: package

Default:

```
pkgs.govee2mqtt
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/govee2mqtt.nix>

services.govee2mqtt.environmentFile
Environment file as defined in **systemd.exec**(5).

See upstream documentation **https://github.com/wez/govee2mqtt/blob/main/docs/CONFIG.md**.

Type: absolute path

Example:

```
"/var/lib/govee2mqtt/govee2mqtt.env"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/govee2mqtt.nix>

services.govee2mqtt.group
Group under which Govee2MQTT should run.

Type: string

Default:

```
"govee2mqtt"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/govee2mqtt.nix>

services.govee2mqtt.user
User under which Govee2MQTT should run.

Type: string

Default:

```
"govee2mqtt"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/govee2mqtt.nix>

services.goxlr−utility.enable
Whether to enable goxlr−utility for controlling your TC−Helicon GoXLR or GoXLR Mini

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/audio/goxlr−utility.nix>

services.goxlr−utility.package
The goxlr−utility package to use.

Type: package

Default:

```
pkgs.goxlr−utility
```

Declared by:
<nixpkgs/nixos/modules/services/audio/goxlr−utility.nix>

services.goxlr−utility.autoStart.xdg
Start the daemon automatically using XDG autostart. Sets ‘xdg.autostart.enable = true’ if not already enabled.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/audio/goxlr−utility.nix>

services.gpm.enable
Whether to enable GPM, the General Purpose Mouse daemon, which enables mouse support in virtual consoles.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/ttys/gpm.nix>

services.gpm.protocol
Mouse protocol to use.

Type: string

Default:

```
"ps/2"
```

Declared by:
<nixpkgs/nixos/modules/services/ttys/gpm.nix>

services.gpsd.enable
Whether to enable ‘gpsd’, a GPS service daemon.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gpsd.nix>

services.gpsd.debugLevel
The debugging level.

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/services/misc/gpsd.nix>

services.gpsd.devices
List of devices that ‘gpsd’ should subscribe to.

A device may be a local serial device for GPS input, or a URL of the form: ‘[{dgpsip|ntrip}://][user:passwd@]host[:port][/stream]’ in which case it specifies an input source for DGPS or ntrip data.

Type: list of string

Default:

```
[
  "/dev/ttyUSB0"
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gpsd.nix>

services.gpsd.extraArgs
A list of extra command line arguments to pass to gpsd. Check **gpsd**(8) mangpage for possible arguments.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-r"
```

```
  "-s"
  "19200"
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gpsd.nix>

services.gpsd.listenany
Listen on all addresses rather than just loopback.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gpsd.nix>

services.gpsd.nowait
don't wait for client connects to poll GPS

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gpsd.nix>

services.gpsd.port
The port where to listen for TCP connections.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
2947
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gpsd.nix>

services.gpsd.readonly
Whether to enable the broken−device−safety, otherwise known as read−only mode. Some popular bluetooth and USB receivers lock up or become totally inaccessible when probed or reconfigured. This switch prevents gpsd from writing to a receiver. This means that gpsd cannot configure the receiver for optimal performance, but it also means that gpsd cannot break the receiver. A better solution would be for Bluetooth to not be so fragile. A platform independent method to identify serial−over−Bluetooth devices would also be nice.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/gpsd.nix>

services.grafana.enable
Whether to enable grafana.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.package
The grafana package to use.

Type: package

Default:

```
pkgs.grafana
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.dataDir
Data directory.

Type: absolute path

Default:

```
"/var/lib/grafana"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.declarativePlugins
If non−null, then a list of packages containing Grafana plugins to install. If set, plugins cannot be manually installed.

Keep in mind that this turns off drilldown: for this to work, you need to add ‘grafana−metricsdrilldown−app’, ‘grafana−lokiexplore−app’, ‘grafana−exploretraces−app’ and ‘grafana−pyroscope−app’ to this option.

Type: null or (list of absolute path)

Default:

```
null
```

Example:

```
with pkgs.grafanaPlugins; [ grafana−piechart−panel ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.openFirewall
Open the ports in the firewall for the server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.enable

Whether to enable provision.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.alerting.contactPoints.path

Path to YAML contact points configuration. Can't be used with **services.grafana.provision.alerting.contactPoints.settings** simultaneously. Can be either a directory or a single YAML file. Will end up in the store.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.alerting.contactPoints.settings

Grafana contact points configuration in Nix. Can't be used with **services.grafana.provision.alerting.contactPoints.path** simultaneously. See **https://grafana.com/docs/grafana/latest/administration/provisioning/#contact-points** for supported options.

Type: null or (submodule)

Default:

```
null
```

Example:

```
{
  apiVersion = 1;
  contactPoints = [{
    orgId = 1;
    name = "cp_1";
    receivers = [{
      uid = "first_uid";
      type = "prometheus-alertmanager";
      settings.url = "http://test:9000";
    }];
  }];
  deleteContactPoints = [{
    orgId = 1;
    uid = "first_uid";
  }];
}
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.alerting.contactPoints.settings.apiVersion
Config file version.

Type: signed integer

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.alerting.contactPoints.settings.contactPoints
List of contact points to import or update.

Type: list of (open submodule of (YAML 1.1 value))

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.alerting.contactPoints.settings.contactPoints.*.name
Name of the contact point. Required.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.alerting.contactPoints.settings.deleteContactPoints
List of receivers that should be deleted.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.alerting.contactPoints.settings.deleteContactPoints.*.orgId
Organization ID, default = 1.

Type: signed integer

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.alerting.contactPoints.settings.deleteContactPoints.*.uid
Unique identifier for the receiver. Required.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.alerting.muteTimings.path

Path to YAML mute timings configuration. Can't be used with **services.grafana.provision.alerting.muteTimings.settings** simultaneously. Can be either a directory or a single YAML file. Will end up in the store.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.alerting.muteTimings.settings

Grafana mute timings configuration in Nix. Can't be used with **services.grafana.provision.alerting.muteTimings.path** simultaneously. See **https://grafana.com/docs/grafana/latest/administration/provisioning/#mute-timings** for supported options.

Type: null or (submodule)

Default:

```
null
```

Example:

```
{
  apiVersion = 1;
  muteTimes = [{
    orgId = 1;
    name = "mti_1";
    time_intervals = [{
      times = [{
        start_time = "06:00";
        end_time = "23:59";
      }];
      weekdays = [
        "monday:wednesday"
        "saturday"
        "sunday"
      ];
      months = [
        "1:3"
        "may:august"
        "december"
      ];
      years = [
        "2020:2022"
        "2030"
      ];
      days_of_month = [
        "1:5"
        "-3:-1"
      ];
    }];
  }];
  deleteMuteTimes = [{
    orgId = 1;
```

```
    name = "mti_1";
  }];
}
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.alerting.muteTimings.settings.apiVersion
Config file version.

Type: signed integer

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.alerting.muteTimings.settings.deleteMuteTimes
List of mute time intervals that should be deleted.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.alerting.muteTimings.settings.deleteMuteTimes.*.name
Name of the mute time interval, must be unique. Required.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.alerting.muteTimings.settings.deleteMuteTimes.*.orgId
Organization ID, default = 1.

Type: signed integer

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.alerting.muteTimings.settings.muteTimes
List of mute time intervals to import or update.

Type: list of (open submodule of (YAML 1.1 value))

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.alerting.muteTimings.settings.muteTimes.*.name

Name of the mute time interval, must be unique. Required.

Type: string

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.alerting.policies.path

Path to YAML notification policies configuration. Can't be used with **services.grafana.provision.alerting.policies.settings** simultaneously. Can be either a directory or a single YAML file. Will end up in the store.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.alerting.policies.settings

Grafana notification policies configuration in Nix. Can't be used with **services.grafana.provision.alerting.policies.path** simultaneously. See **https://grafana.com/docs/grafana/latest/administration/provisioning/#notification-policies** for supported options.

Type: null or (submodule)

Default:

```
null
```

Example:

```
{
  apiVersion = 1;
  policies = [{
    orgId = 1;
    receiver = "grafana-default-email";
    group_by = [ "..." ];
    matchers = [
      "alertname = Watchdog"
      "severity =~ \"warning|critical\""
    ];
    mute_time_intervals = [
      "abc"
    ];
    group_wait = "30s";
    group_interval = "5m";
    repeat_interval = "4h";
  }];
  resetPolicies = [
    1
  ];
}
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.alerting.policies.settings.apiVersion
Config file version.

Type: signed integer

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.alerting.policies.settings.policies
List of contact points to import or update.

Type: list of (open submodule of (YAML 1.1 value))

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.alerting.policies.settings.resetPolicies
List of orgIds that should be reset to the default policy.

Type: list of signed integer

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.alerting.rules.path
Path to YAML rules configuration. Can't be used with **services.grafana.provision.alerting.rules.settings** simultaneously. Can be either a directory or a single YAML file. Will end up in the store.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.alerting.rules.settings
Grafana rules configuration in Nix. Can't be used with **services.grafana.provision.alerting.rules.path** simultaneously. See **https://grafana.com/docs/grafana/latest/administration/provisioning/#rules** for supported options.

Type: null or (submodule)

Default:

```
null
```

Example:

```
{
  apiVersion = 1;
  groups = [{
    orgId = 1;
    name = "my_rule_group";
    folder = "my_first_folder";
```

```
            interval = "60s";
            rules = [{
              uid = "my_id_1";
              title = "my_first_rule";
              condition = "A";
              data = [{
                refId = "A";
                datasourceUid = "-100";
                model = {
                  conditions = [{
                    evaluator = {
                      params = [ 3 ];
                      type = "git";
                    };
                    operator.type = "and";
                    query.params = [ "A" ];
                    reducer.type = "last";
                    type = "query";
                  }];
                  datasource = {
                    type = "__expr__";
                    uid = "-100";
                  };
                  expression = "1==0";
                  intervalMs = 1000;
                  maxDataPoints = 43200;
                  refId = "A";
                  type = "math";
                };
              }];
              dashboardUid = "my_dashboard";
              panelId = 123;
              noDataState = "Alerting";
              for = "60s";
              annotations.some_key = "some_value";
              labels.team = "sre_team1";
            }];
          }];
          deleteRules = [{
            orgId = 1;
            uid = "my_id_1";
          }];
        }
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.alerting.rules.settings.apiVersion

Config file version.

Type: signed integer

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.alerting.rules.settings.deleteRules
List of alert rule UIDs that should be deleted.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.alerting.rules.settings.deleteRules.*.orgId
Organization ID, default = 1

Type: signed integer

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.alerting.rules.settings.deleteRules.*.uid
Unique identifier for the rule. Required.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.alerting.rules.settings.groups
List of rule groups to import or update.

Type: list of (open submodule of (YAML 1.1 value))

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.alerting.rules.settings.groups.*.folder
Name of the folder the rule group will be stored in. Required.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.alerting.rules.settings.groups.*.interval
Interval that the rule group should be evaluated at. Required.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.alerting.rules.settings.groups.*.name
Name of the rule group. Required.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.alerting.templates.path
Path to YAML templates configuration. Can't be used with **services.grafana.provision.alerting.templates.settings** simultaneously. Can be either a directory or a single YAML file. Will end up in the store.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.alerting.templates.settings
Grafana templates configuration in Nix. Can't be used with **services.grafana.provision.alerting.templates.path** simultaneously. See **https://grafana.com/docs/grafana/latest/administration/provisioning/#templates** for supported options.

Type: null or (submodule)

Default:

```
null
```

Example:

```
{
  apiVersion = 1;
  templates = [{
    orgId = 1;
    name = "my_first_template";
    template = "Alerting with a custom text template";
  }];
  deleteTemplates = [{
    orgId = 1;
    name = "my_first_template";
  }];
}
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.alerting.templates.settings.apiVersion
Config file version.

Type: signed integer

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.alerting.templates.settings.deleteTemplates
List of alert rule UIDs that should be deleted.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.alerting.templates.settings.deleteTemplates.*.name
Name of the template, must be unique. Required.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.alerting.templates.settings.deleteTemplates.*.orgId
Organization ID, default = 1.

Type: signed integer

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.alerting.templates.settings.templates
List of templates to import or update.

Type: list of (open submodule of (YAML 1.1 value))

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.alerting.templates.settings.templates.*.name
Name of the template, must be unique. Required.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.alerting.templates.settings.templates.*.template
Alerting with a custom text template

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.dashboards
Declaratively provision Grafana’s dashboards.

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.dashboards.path
Path to YAML dashboard configuration. Can't be used with **services.grafana.provision.dashboards.settings** simultaneously. Can be either a directory or a single YAML file. Will end up in the store.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.dashboards.settings
Grafana dashboard configuration in Nix. Can't be used with **services.grafana.provision.dashboards.path** simultaneously. See **https://grafana.com/docs/grafana/latest/administration/provisioning/#dashboards** for supported options.

Type: null or (submodule)

Default:

```
null
```

Example:

```
{
  apiVersion = 1;
  providers = [{
      name = "default";
      options.path = "/var/lib/grafana/dashboards";
  }];
}
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.dashboards.settings.apiVersion
Config file version.

Type: signed integer

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.dashboards.settings.providers
List of dashboards to insert/update.

Type: list of (open submodule of (YAML 1.1 value))

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.dashboards.settings.providers.*.name
A unique provider name.

Type: string

Default:

```
"default"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.dashboards.settings.providers.*.options.path
Path grafana will watch for dashboards. Required when using the 'file' type.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.dashboards.settings.providers.*.type
Dashboard provider type.

Type: string

Default:

```
"file"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.datasources
Declaratively provision Grafana's datasources.

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.datasources.path
Path to YAML datasource configuration. Can't be used with **services.grafana.provision.datasources.settings** simultaneously. Can be either a directory or a single YAML file. Will end up in the store.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.datasources.settings
Grafana datasource configuration in Nix. Can't be used with **services.grafana.provision.datasources.path** simultaneously. See **https://grafana.com/docs/grafana/latest/administration/provisioning/#data−sources** for supported options.

Type: null or (submodule)

Default:

```
null
```

Example:

```
{
  apiVersion = 1;
  datasources = [{
    name = "Graphite";
    type = "graphite";
  }];
  deleteDatasources = [{
    name = "Graphite";
    orgId = 1;
  }];
}
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.datasources.settings.apiVersion
Config file version.

Type: signed integer

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.datasources.settings.datasources
List of datasources to insert/update.

Type: list of (open submodule of (YAML 1.1 value))

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.datasources.settings.datasources.*.access
Access mode. proxy or direct (Server or Browser in the UI). Required.

Type: one of “proxy”, “direct”

Default:

```
"proxy"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.datasources.settings.datasources.*.editable
Allow users to edit datasources from the UI.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.datasources.settings.datasources.*.jsonData
Extra data for datasource plugins.

Type: null or (attribute set)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.datasources.settings.datasources.*.name
Name of the datasource. Required.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.datasources.settings.datasources.*.secureJsonData
Datasource specific secure configuration. Please note that the contents of this option will end up in a world−readable Nix store. Use the file provider pointing at a reasonably secured file in the local filesystem to work around that. Look at the documentation for details: **https://grafana.com/docs/grafana/latest/setup−grafana/configure−grafana/#file−provider**

Type: null or (attribute set)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.datasources.settings.datasources.*.type
Datasource type. Required.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.datasources.settings.datasources.*.uid
Custom UID which can be used to reference this datasource in other parts of the configuration, if not specified will be generated automatically.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.datasources.settings.datasources.*.url
Url of the datasource.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.datasources.settings.deleteDatasources
List of datasources that should be deleted from the database.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.datasources.settings.deleteDatasources.*.name
Name of the datasource to delete.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.datasources.settings.deleteDatasources.*.orgId
Organization ID of the datasource to delete.

Type: signed integer

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.provision.datasources.settings.prune
When ‘true’, provisioned datasources from this file will be deleted automatically when removed from **services.grafana.provision.datasources.settings.datasources**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings
Grafana settings. See **https://grafana.com/docs/grafana/latest/setup−grafana/configure−grafana/** for available options. INI format is used.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string) or a non−empty list of them)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.analytics.check_for_plugin_updates
When set to ‘false’, disables checking for new versions of installed plugins from https://grafana.com. When enabled, the check for a new plugin runs every 10 minutes. It will notify, via the UI, when a new plugin update exists. The check itself will not prompt any auto−updates of the plugin, nor will it send any sensitive information.

Type: boolean

Default:

```
cfg.declarativePlugins == null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.analytics.check_for_updates
When set to ‘false’, disables checking for new versions of Grafana from Grafana’s GitHub repository. When enabled, the check for a new version runs every 10 minutes. It will notify, via the UI, when a new version is available. The check itself will not prompt any auto−updates of the Grafana software, nor will it send any sensitive information.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.analytics.feedback_links_enabled
Set to ‘false’ to remove all feedback links from the UI.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.analytics.reporting_enabled
When enabled Grafana will send anonymous usage statistics to ‘stats.grafana.org’. No IP addresses are being tracked, only simple counters to track running instances, versions, dashboard and error counts. Counters are sent every 24 hours.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.database.ca_cert_path
The path to the CA certificate to use.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.database.cache_mode
For ‘sqlite3’ only. **Shared cache** setting used for connecting to the database.

Type: one of “private”, “shared”

Default:

```
"private"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.database.client_cert_path
The path to the client cert. Only if server requires client authentication.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.database.client_key_path
The path to the client key. Only if server requires client authentication.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.database.conn_max_lifetime
Sets the maximum amount of time a connection may be reused. The default is 14400 (which means 14400 seconds or 4 hours). For MySQL, this setting should be shorter than the 'wait_timeout' variable.

Type: signed integer

Default:

```
14400
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.database.host
Only applicable to MySQL or Postgres. Includes IP or hostname and port or in case of Unix sockets the path to it. For example, for MySQL running on the same host as Grafana: 'host = "127.0.0.1:3306"' or with Unix sockets: 'host = "/var/run/mysqld/mysqld.sock"'

Type: string

Default:

```
"127.0.0.1:3306"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.database.isolation_level
Only the MySQL driver supports isolation levels in Grafana. In case the value is empty, the driver's default isolation level is applied.

Type: null or one of "READ−UNCOMMITTED", "READ−COMMITTED", "REPEATABLE−READ", "SERIALIZABLE"

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.database.locking_attempt_timeout_sec
For ‘mysql’, if the ‘migrationLocking’ feature toggle is set, specify the time (in seconds) to wait before failing to lock the database for the migrations.

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.database.log_queries
Set to ‘true’ to log the sql calls and execution times

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.database.max_idle_conn
The maximum number of connections in the idle connection pool.

Type: signed integer

Default:

```
2
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.database.max_open_conn
The maximum number of open connections to the database.

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.database.name
The name of the Grafana database.

Type: string

Default:

```
"grafana"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.database.password
The database user’s password (not applicable for ‘sqlite3’).

Please note that the contents of this option will end up in a world−readable Nix store. Use the file provider pointing at a reasonably secured file in the local filesystem to work around that. Look at the documentation for details: **https://grafana.com/docs/grafana/latest/setup−grafana/configure−grafana/#file−provider**

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.database.path

Only applicable to ‘sqlite3’ database. The file path where the database will be stored.

Type: absolute path

Default:

```
"${config.services.grafana.dataDir}/data/grafana.db"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.database.query_retries

This setting applies to ‘sqlite3’ only and controls the number of times the system retries a query when the database is locked.

Type: signed integer

Default:

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.database.server_cert_name

The common name field of the certificate used by the ‘mysql’ or ‘postgres’ server. Not necessary if ‘ssl_mode’ is set to ‘skip−verify’.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.database.ssl_mode

For Postgres, use either ‘disable’, ‘require’ or ‘verify−full’. For MySQL, use either ‘true’, ‘false’, or ‘skip−verify’.

Type: one of “disable”, “require”, “verify−full”, “true”, “false”, “skip−verify”

Default:

```
"disable"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.database.transaction_retries

This setting applies to ‘sqlite3’ only and controls the number of times the system retries a transaction when the database is locked.

Type: signed integer

Default:

```
5
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.database.type
Database type.

Type: one of “mysql”, “sqlite3”, “postgres”

Default:

```
"sqlite3"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.database.user
The database user (not applicable for ‘sqlite3’).

Type: string

Default:

```
"root"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.database.wal
For ‘sqlite3’ only. Setting to enable/disable **Write−Ahead Logging**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.paths.plugins
Directory where grafana will automatically scan and look for plugins

Type: absolute path

Default:

```
if (cfg.declarativePlugins == null) then "${cfg.dataDir}/plugins" e \
lse declarativePlugins
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.paths.provisioning
Folder that contains provisioning config files that grafana will apply on startup and while running. Don’t change the value of this option if you are planning to use ‘services.grafana.provision’ options.

Type: absolute path

Default:

```
"directory with links to files generated from services.grafana.prov \
ision"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.plugins.preinstall_disabled

When set to ‘true’, disables the Background Plugin Installer, which runs before Grafana starts. This component causes issues with ‘declarativePlugins’ and is disabled by default if those are used.

Type: boolean

Default:

```
cfg.declarativePlugins != null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.security.admin_email

The email of the default Grafana Admin, created on startup.

Type: string

Default:

```
"admin@localhost"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.security.admin_password

Default admin password. Please note that the contents of this option will end up in a world−readable Nix store. Use the file provider pointing at a reasonably secured file in the local filesystem to work around that. Look at the documentation for details: **https://grafana.com/docs/grafana/latest/setup−grafana/configure−grafana/#file−provider**

Type: string

Default:

```
"admin"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.security.admin_user

Default admin username.

Type: string

Default:

```
"admin"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.security.allow_embedding

When ‘false’, the HTTP header ‘X−Frame−Options: deny’ will be set in Grafana HTTP responses which will instruct browsers to not allow rendering Grafana in a ‘<frame>’, ‘<iframe>’, ‘<embed>’ or ‘<object>’. The main goal is to mitigate the risk of **Clickjacking**.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.security.content_security_policy

Set to ‘true’ to add the ‘Content−Security−Policy’ header to your requests. CSP allows to control resources that the user agent can load and helps prevent XSS attacks.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.security.content_security_policy_report_only

Set to ‘true’ to add the ‘Content−Security−Policy−Report−Only’ header to your requests. CSP in Report Only mode enables you to experiment with policies by monitoring their effects without enforcing them. You can enable both policies simultaneously.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.security.cookie_samesite

Sets the ‘SameSite’ cookie attribute and prevents the browser from sending this cookie along with cross−site requests. The main goal is to mitigate the risk of cross−origin information leakage. This setting also provides some protection against cross−site request forgery attacks (CSRF), **read more about SameSite here**. Using value ‘disabled’ does not add any ‘SameSite’ attribute to cookies.

Type: one of “lax”, “strict”, “none”, “disabled”

Default:

```
"lax"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.security.cookie_secure

Set to ‘true’ if you host Grafana behind HTTPS.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.security.csrf_additional_headers

List of allowed headers to be set by the user. Suggested to use for if authentication lives behind reverse proxies.

Type: string or list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.security.csrf_trusted_origins
List of additional allowed URLs to pass by the CSRF check. Suggested when authentication comes from an IdP.

Type: string or list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.security.data_source_proxy_whitelist
Define a whitelist of allowed IP addresses or domains, with ports, to be used in data source URLs with the Grafana data source proxy. Format: 'ip_or_domain:port' separated by spaces. PostgreSQL, MySQL, and MSSQL data sources do not use the proxy and are therefore unaffected by this setting.

Type: string or list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.security.disable_brute_force_login_protection
Set to 'true' to disable **brute force login protection**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.security.disable_gravatar
Set to 'true' to disable the use of Gravatar for user profile images.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.security.disable_initial_admin_creation
Disable creation of admin user on first start of Grafana.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.security.secret_key

Secret key used for signing data source settings like secrets and passwords. Set this to a unique, random string in production, generated for example by running ‘openssl rand −hex 32’.

If you change this later you will need to update data source settings to re−encode them.

https://grafana.com/docs/grafana/latest/setup−grafana/configure−grafana/#secret_key

Please note that the contents of this option will end up in a world−readable Nix store. Use the file provider pointing at a reasonably secured file in the local filesystem to work around that. Look at the documentation for details: **https://grafana.com/docs/grafana/latest/setup−grafana/configure−grafana/#file−provider**

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.security.strict_transport_security

Set to ‘true’ if you want to enable HTTP ‘Strict−Transport−Security’ (HSTS) response header. Only use this when HTTPS is enabled in your configuration, or when there is another upstream system that ensures your application does HTTPS (like a frontend load balancer). HSTS tells browsers that the site should only be accessed using HTTPS.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.security.strict_transport_security_max_age_seconds

Sets how long a browser should cache HSTS in seconds. Only applied if ‘strict_transport_security’ is enabled.

Type: signed integer

Default:

```
86400
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.security.strict_transport_security_preload

Set to ‘true’ to enable HSTS ‘preloading’ option. Only applied if ‘strict_transport_security’ is enabled.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.security.strict_transport_security_subdomains

Set to ‘true’ to enable HSTS ‘includeSubDomains’ option. Only applied if ‘strict_transport_security’ is enabled.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.security.x_content_type_options

Set to ‘false’ to disable the ‘X−Content−Type−Options’ response header. The ‘X−Content−Type−Options’ response HTTP header is a marker used by the server to indicate that the MIME types advertised in the ‘Content−Type’ headers should not be changed and be followed.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.security.x_xss_protection

Set to ‘true’ to enable the ‘X−XSS−Protection’ header, which tells browsers to stop pages from loading when they detect reflected cross−site scripting (XSS) attacks.

Note: this is the default in Grafana, it’s turned off here since it’s **recommended to not use this header anymore**.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.server.enable_gzip

Set this option to ‘true’ to enable HTTP compression, this can improve transfer speed and bandwidth utilization. It is recommended that most users set it to ‘true’. By default it is set to ‘false’ for compatibility reasons.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.server.cdn_url

Specify a full HTTP URL address to the root of your Grafana CDN assets. Grafana will add edition and version paths.

For example, given a cdn url like ‘https://cdn.myserver.com’ grafana will try to load a javascript file from ‘http://cdn.myserver.com/grafana−oss/7.4.0/public/build/app.<hash>.js’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.server.cert_file
Path to the certificate file (if 'protocol' is set to 'https' or 'h2').

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.server.cert_key
Path to the certificate key file (if 'protocol' is set to 'https' or 'h2').

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.server.domain
The public facing domain name used to access grafana from a browser.

This setting is only used in the default value of the 'root_url' setting. If you set the latter manually, this option does not have to be specified.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.server.enforce_domain
Redirect to correct domain if the host header does not match the domain. Prevents DNS rebinding attacks.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.server.http_addr
Listening address.

Note
This setting intentionally varies from upstream's default to be a bit more secure by default.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.server.http_port
Listening port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.server.protocol
Which protocol to listen.

Type: one of “http”, “https”, “h2”, “socket”

Default:

```
"http"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.server.read_timeout
Sets the maximum time using a duration format (5s/5m/5ms) before timing out read of an incoming request and closing idle connections. 0 means there is no timeout for reading the request.

Type: string

Default:

```
"0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.server.root_url
This is the full URL used to access Grafana from a web browser. This is important if you use Google or GitHub OAuth authentication (for the callback URL to be correct).

This setting is also important if you have a reverse proxy in front of Grafana that exposes it through a subpath. In that case add the subpath to the end of this URL setting.

Type: string

Default:

```
"%(protocol)s://%(domain)s:%(http_port)s/"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.server.router_logging
Set to ‘true’ for Grafana to log all HTTP requests (not just errors). These are logged as Info level events to the Grafana log.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.server.serve_from_sub_path
Serve Grafana from subpath specified in the ‘root_url’ setting. By default it is set to ‘false’ for compatibility reasons.

By enabling this setting and using a subpath in ‘root_url’ above, e.g. ‘root_url = "http://localhost:3000/grafana"’, Grafana is accessible on ‘http://localhost:3000/grafana’. If accessed without subpath, Grafana will redirect to an URL with the subpath.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.server.socket
Path where the socket should be created when ‘protocol=socket’. Make sure that Grafana has appropriate permissions before you change this setting.

Type: string

Default:

```
"/run/grafana/grafana.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.server.socket_gid
GID where the socket should be set when ‘protocol=socket’. Make sure that the target group is in the group of Grafana process and that Grafana process is the file owner before you change this setting. It is recommended to set the gid as http server user gid. Not set when the value is −1.

Type: signed integer

Default:

```
-1
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.server.socket_mode
Mode where the socket should be set when ‘protocol=socket’. Make sure that Grafana process is the file owner before you change this setting.

Type: string

Default:

```
"0660"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.server.static_root_path
Root path for static assets.

Type: string

Default:

```
"${package}/share/grafana/public"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.smtp.enabled
Whether to enable SMTP.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.smtp.cert_file
File path to a cert file.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.smtp.ehlo_identity
Name to be used as client identity for EHLO in SMTP dialog.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.smtp.from_address
Address used when sending out emails.

Type: string

Default:

```
"admin@grafana.localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.smtp.from_name
Name to be used as client identity for EHLO in SMTP dialog.

Type: string

Default:

```
"Grafana"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.smtp.host
Host to connect to.

Type: string

Default:

```
"localhost:25"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.smtp.key_file
File path to a key file.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.smtp.password
Password used for authentication. Please note that the contents of this option will end up in a world−readable Nix store. Use the file provider pointing at a reasonably secured file in the local filesystem to work around that. Look at the documentation for details: **https://grafana.com/docs/grafana/latest/setup−grafana/configure−grafana/#file−provider**

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.smtp.skip_verify
Verify SSL for SMTP server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.smtp.startTLS_policy
StartTLS policy when connecting to server.

Type: null or one of “OpportunisticStartTLS”, “MandatoryStartTLS”, “NoStartTLS”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.smtp.user
User used for authentication.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.users.allow_org_create

Set to ‘false’ to prohibit users from creating new organizations.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.users.allow_sign_up

Set to false to prohibit users from being able to sign up / create user accounts. The admin user can still create users.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.users.auto_assign_org

Set to ‘true’ to automatically add new users to the main organization (id 1). When set to ‘false,’ new users automatically cause a new organization to be created for that new user. The organization will be created even if the ‘allow_org_create’ setting is set to ‘false’.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.users.auto_assign_org_id

Set this value to automatically add new users to the provided org. This requires ‘auto_assign_org’ to be set to ‘true’. Please make sure that this organization already exists.

Type: signed integer

Default:

```
1
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.users.auto_assign_org_role

The role new users will be assigned for the main organization (if the ‘auto_assign_org’ setting is set to ‘true’).

Type: one of “Viewer”, “Editor”, “Admin”

Default:

```
"Viewer"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.users.default_language

This setting configures the default UI language, which must be a supported IETF language tag, such as ‘en−US’.

Type: string

Default:

```
"en-US"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.users.default_theme

Sets the default UI theme. ‘system’ matches the user’s system theme.

Type: one of “dark”, “light”, “system”

Default:

```
"dark"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.users.hidden_users

This is a comma−separated list of usernames. Users specified here are hidden in the Grafana UI. They are still visible to Grafana administrators and to themselves.

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.users.home_page

Path to a custom home page. Users are only redirected to this if the default home dashboard is used. It should match a frontend route and contain a leading slash.

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.users.login_hint

Text used as placeholder text on login page for login/username input.

Type: string

Default:

```
"email or username"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.users.password_hint

Text used as placeholder text on login page for password input.

Type: string

Default:

```
"password"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.users.user_invite_max_lifetime_duration

The duration in time a user invitation remains valid before expiring. This setting should be expressed as a duration. Examples: ‘6h’ (hours), ‘2d’ (days), ‘1w’ (week). The minimum supported duration is ‘15m’ (15 minutes).

Type: string

Default:

```
"24h"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.users.verify_email_enabled

Require email validation before sign up completes.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana.settings.users.viewers_can_edit

Viewers can access and use Explore and perform temporary edits on panels in dashboards they have access to. They cannot save their changes.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana.nix>

services.grafana−image−renderer.enable

Whether to enable grafana−image−renderer.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana−image−renderer.nix>

services.grafana−image−renderer.provisionGrafana
Whether to enable Grafana configuration for grafana−image−renderer.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana−image−renderer.nix>

services.grafana−image−renderer.settings
Configuration attributes for ‘grafana−image−renderer’.

Type: open submodule of attribute set of attribute set of (string or signed integer or boolean or list of (string or signed integer))

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana−image−renderer.nix>

services.grafana−image−renderer.settings.browser.path
Path to the executable of the chromium to use.

Type: absolute path

Default:

```
lib.getExe pkgs.chromium
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana−image−renderer.nix>

services.grafana−image−renderer.settings.server.addr
Listen address of the service.

Type: string

Default:

```
"localhost:8081"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana−image−renderer.nix>

services.grafana−to−ntfy.enable
Whether to enable grafana−to−ntfy, a Grafana/Alertmanager to ntfy.sh bridge.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana−to−ntfy.nix>

services.grafana−to−ntfy.package

The grafana−to−ntfy package to use.

Type: package

Default:

```
pkgs.grafana-to-ntfy
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana−to−ntfy.nix>

services.grafana−to−ntfy.settings.address

Address to listen on.

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana−to−ntfy.nix>

services.grafana−to−ntfy.settings.bauthPass

Path to the password file for Basic Auth on incoming webhook requests. When set together with **bauthUser**, incoming requests require Basic Auth. When both are null, the endpoint is open (unauthenticated).

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/grafana-to-ntfy-bauth-pass"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana−to−ntfy.nix>

services.grafana−to−ntfy.settings.bauthUser

The user for Basic Auth on incoming webhook requests from Grafana or Alertmanager. When set together with **bauthPass**, incoming requests require Basic Auth. When both are null, the endpoint is open (unauthenticated).

Type: null or string

Default:

```
null
```

Example:

```
"admin"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana−to−ntfy.nix>

services.grafana−to−ntfy.settings.markdown

Enable Markdown formatting in ntfy notifications. Sets the X−Markdown header.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana−to−ntfy.nix>

services.grafana−to−ntfy.settings.ntfyBAuthPass

The path to the password for the specified ntfy−sh user. Setting this option is required when using a ntfy−sh instance with access control enabled.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/grafana-to-ntfy-ntfy-pass"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana−to−ntfy.nix>

services.grafana−to−ntfy.settings.ntfyBAuthUser

The ntfy−sh user to use for authenticating with the ntfy−sh instance. Setting this option is required when using a ntfy−sh instance with access control enabled.

Type: null or string

Default:

```
null
```

Example:

```
"grafana"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana−to−ntfy.nix>

services.grafana−to−ntfy.settings.ntfyUrl

The URL to the ntfy−sh topic.

Type: string

Example:

```
"https://push.example.com/grafana"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/grafana−to−ntfy.nix>

services.grafana−to−ntfy.settings.port

Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana−to−ntfy.nix>

services.grafana_reporter.enable
Whether to enable grafana_reporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana−reporter.nix>

services.grafana_reporter.addr
Listening address.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana−reporter.nix>

services.grafana_reporter.grafana.addr
Grafana address.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana−reporter.nix>

services.grafana_reporter.grafana.port
Grafana port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana−reporter.nix>

services.grafana_reporter.grafana.protocol
Grafana protocol.

Type: one of “http”, “https”

Default:

```
"http"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana−reporter.nix>

services.grafana_reporter.port
Listening port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8686
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana-reporter.nix>

services.grafana_reporter.templateDir
Optional template directory to use custom tex templates

Type: string or absolute path

Default:

```
pkgs.grafana_reporter
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/grafana-reporter.nix>

services.graphite.carbon.enableAggregator
Whether to enable carbon aggregator, the carbon buffering service.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/graphite.nix>

services.graphite.carbon.enableCache
Whether to enable carbon cache, the graphite storage daemon.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/graphite.nix>

services.graphite.carbon.enableRelay
Whether to enable carbon relay, the carbon replication and sharding service.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/graphite.nix>

services.graphite.carbon.aggregationRules
Defines if and how received metrics will be aggregated.

Type: null or string

Default:

```
null
```

Example:

```
  <env>.applications.<app>.all.requests (60) = sum <env>.applicatio \
ns.<app>.*.requests
  <env>.applications.<app>.all.latency (60) = avg <env>.application \
s.<app>.*.latency
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/graphite.nix>

services.graphite.carbon.blacklist
Any metrics received which match one of the expressions will be dropped.

Type: null or string

Default:

```
null
```

Example:

```
"^some\\.noisy\\.metric\\.prefix\\..*"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/graphite.nix>

services.graphite.carbon.config
Content of carbon configuration file.

Type: string

Default:

```
[cache]
# Listen on localhost by default for security reasons
UDP_RECEIVER_INTERFACE = 127.0.0.1
PICKLE_RECEIVER_INTERFACE = 127.0.0.1
LINE_RECEIVER_INTERFACE = 127.0.0.1
CACHE_QUERY_INTERFACE = 127.0.0.1
# Do not log every update
LOG_UPDATES = False
LOG_CACHE_HITS = False
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/graphite.nix>

services.graphite.carbon.relayRules
Relay rules are used to send certain metrics to a certain backend.

Type: null or string

Default:

```
null
```

Example:

```
[example]
pattern = ^mydata\.foo\..+
servers = 10.1.2.3, 10.1.2.4:2004, myserver.mydomain.com
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/graphite.nix>

services.graphite.carbon.rewriteRules

Regular expression patterns that can be used to rewrite metric names in a search and replace fashion.

Type: null or string

Default:

```
null
```

Example:

```
[post]
_sum$ =
_avg$ =
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/graphite.nix>

services.graphite.carbon.storageAggregation

Defines how to aggregate data to lower−precision retentions.

Type: null or string

Default:

```
null
```

Example:

```
[all_min]
pattern = \.min$
xFilesFactor = 0.1
aggregationMethod = min
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/graphite.nix>

services.graphite.carbon.storageSchemas

Defines retention rates for storing metrics.

Type: null or string

Default:

```
""
```

Example:

```
[apache_busyWorkers]
pattern = ^servers\.www.*\.workers\.busyWorkers$
retentions = 15s:7d,1m:21d,15m:5y
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/graphite.nix>

services.graphite.carbon.whitelist

Only metrics received which match one of the expressions will be persisted.

Type: null or string

Default:

```
null
```

Example:

```
".*"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/graphite.nix>

services.graphite.dataDir
Data directory for graphite.

Type: absolute path

Default:

```
"/var/db/graphite"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/graphite.nix>

services.graphite.seyren.enable
Whether to enable seyren service.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/graphite.nix>

services.graphite.seyren.extraConfig
Extra seyren configuration. See **https://github.com/scobal/seyren#config**

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  GRAPHITE_USERNAME = "user";
  GRAPHITE_PASSWORD = "pass";
}
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/graphite.nix>

services.graphite.seyren.graphiteUrl
Host where graphite service runs.

Type: string

Default:

```
"http://${config.services.graphite.web.listenAddress}:${toString co \
nfig.services.graphite.web.port}"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/graphite.nix>

services.graphite.seyren.mongoUrl
Mongodb connection string.

Type: string

Default:

```
"mongodb://${config.services.mongodb.bind_ip}:27017/seyren"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/graphite.nix>

services.graphite.seyren.port
Seyren listening port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8081
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/graphite.nix>

services.graphite.seyren.seyrenUrl
Host where seyren is accessible.

Type: string

Default:

```
"http://localhost:${toString config.services.graphite.seyren.port}/ \
"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/graphite.nix>

services.graphite.web.enable
Whether to enable graphite web frontend.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/graphite.nix>

services.graphite.web.extraConfig
Graphite webapp settings. See: **https://graphite.readthedocs.io/en/latest/config−local−settings.html**

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/graphite.nix>

services.graphite.web.listenAddress
Graphite web frontend listen address.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/graphite.nix>

services.graphite.web.port
Graphite web frontend port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/graphite.nix>

services.grav.enable
Whether to enable grav.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/grav.nix>

services.grav.package
The grav package to use.

Type: package

Default:

```
pkgs.grav
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/grav.nix>

services.grav.maxUploadSize
The upload limit for files. This changes the relevant options in *php.ini* and nginx if enabled.

Type: string

Default:

```
"128M"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/grav.nix>

services.grav.phpPackage
The php83 package to use.

Type: package

Default:

```
pkgs.php83
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/grav.nix>

services.grav.pool

Name of existing phpfpm pool that is used to run web−application. If not specified a pool will be created automatically with default values.

Type: string

Default:

```
"grav"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/grav.nix>

services.grav.root

Root of the application.

Type: absolute path

Default:

```
"/var/lib/grav"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/grav.nix>

services.grav.systemSettings

Settings written to *user/config/system.yaml*.

Type: YAML 1.1 value

Default:

```
{
  log = {
    handler = "syslog";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/grav.nix>

services.grav.virtualHost

Name of the nginx virtualhost to use and setup. If null, do not setup any virtualhost.

Type: null or string

Default:

```
"grav"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/grav.nix>

services.graylog.enable

Whether to enable Graylog, a log management solution.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/logging/graylog.nix>

services.graylog.package
The graylog package to use.

Type: package

Default:

```
pkgs.graylog
```

Example:

```
graylog-6_0
```

Declared by:
<nixpkgs/nixos/modules/services/logging/graylog.nix>

services.graylog.dataDir
Directory used to store Graylog server state.

Type: string

Default:

```
"/var/lib/graylog/data"
```

Declared by:
<nixpkgs/nixos/modules/services/logging/graylog.nix>

services.graylog.elasticsearchHosts
List of valid URIs of the http ports of your elastic nodes. If one or more of your elasticsearch hosts require authentication, include the credentials in each node URI that requires authentication

Type: list of string

Default:

```
[ ]
```

Example:

```
[ "http://node1:9200" "http://user:password@node2:19200" ]
```

Declared by:
<nixpkgs/nixos/modules/services/logging/graylog.nix>

services.graylog.extraConfig
Any other configuration options you might want to add

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/logging/graylog.nix>

services.graylog.isMaster
Whether this is the master instance of your Graylog cluster

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/logging/graylog.nix>

services.graylog.messageJournalDir
The directory which will be used to store the message journal. The directory must be exclusively used by Graylog and must not contain any other files than the ones created by Graylog itself

Type: string

Default:

```
"/var/lib/graylog/data/journal"
```

Declared by:
<nixpkgs/nixos/modules/services/logging/graylog.nix>

services.graylog.mongodbUri
MongoDB connection string. See http://docs.mongodb.org/manual/reference/connection−string/ for details

Type: string

Default:

```
"mongodb://localhost/graylog"
```

Declared by:
<nixpkgs/nixos/modules/services/logging/graylog.nix>

services.graylog.nodeIdFile
Path of the file containing the graylog node−id

Type: string

Default:

```
"/var/lib/graylog/server/node-id"
```

Declared by:
<nixpkgs/nixos/modules/services/logging/graylog.nix>

services.graylog.passwordSecret
You MUST set a secret to secure/pepper the stored user passwords here. Use at least 64 characters. Generate one by using for example: pwgen −N 1 −s 96

Type: string

Declared by:
<nixpkgs/nixos/modules/services/logging/graylog.nix>

services.graylog.plugins
Extra graylog plugins

Type: list of package

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/logging/graylog.nix>

services.graylog.rootPasswordSha2

You MUST specify a hash password for the root user (which you only need to initially set up the system and in case you lose connectivity to your authentication backend) This password cannot be changed using the API or via the web interface. If you need to change it, modify it here. Create one by using for example: echo −n yourpassword | shasum −a 256 and use the resulting hash value as string for the option

Type: string

Example:

```
"e3c652f0ba0b4801205814f8b6bc49672c4c74e25b497770bb89b22cdeb4e952"
```

Declared by:

<nixpkgs/nixos/modules/services/logging/graylog.nix>

services.graylog.rootUsername

Name of the default administrator user

Type: string

Default:

```
"admin"
```

Declared by:

<nixpkgs/nixos/modules/services/logging/graylog.nix>

services.graylog.user

User account under which graylog runs

Type: string

Default:

```
"graylog"
```

Declared by:

<nixpkgs/nixos/modules/services/logging/graylog.nix>

services.greenclip.enable

Whether to enable Greenclip, a clipboard manager.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/greenclip.nix>

services.greenclip.package

The greenclip package to use.

Type: package

Default:

```
pkgs.haskellPackages.greenclip
```

Declared by:

<nixpkgs/nixos/modules/services/misc/greenclip.nix>

services.greetd.enable

Whether to enable greetd, a minimal and flexible login manager daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/display−managers/greetd.nix>

services.greetd.package

The greetd package to use.

Type: package

Default:

```
pkgs.greetd
```

Declared by:

<nixpkgs/nixos/modules/services/display−managers/greetd.nix>

services.greetd.restart

Whether to restart greetd when it terminates (e.g. on failure). This is usually desirable so a user can always log in, but should be disabled when using ‘settings.initial_session’ (autologin), because every greetd restart will trigger the autologin again.

Type: boolean

Default:

```
!(config.services.greetd.settings ? initial_session)
```

Declared by:

<nixpkgs/nixos/modules/services/display−managers/greetd.nix>

services.greetd.settings

greetd configuration (**documentation**) as a Nix attribute set.

Type: TOML value

Example:

```
{
  default_session = {
    command = "${pkgs.greetd}/bin/agreety --cmd sway";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/display−managers/greetd.nix>

services.greetd.useTextGreeter

Whether the greeter uses text−based user interfaces (For example, tuigreet).

When set to true, some systemd service configuration will be adjusted to avoid systemd boot messages interrupt TUI.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/display−managers/greetd.nix>

services.grocy.enable
Whether to enable grocy.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/grocy.nix>

services.grocy.package
The grocy package to use.

Type: package

Default:

```
pkgs.grocy
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/grocy.nix>

services.grocy.dataDir
Home directory of the ‘grocy’ user which contains the application’s state.

Type: string

Default:

```
"/var/lib/grocy"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/grocy.nix>

services.grocy.extraConfig
These lines go at the end of config.php verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
Setting('FEATURE_FLAG_RECIPES', false);
Setting('FEATURE_FLAG_STOCK_PRODUCT_FREEZING', false);
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/grocy.nix>

services.grocy.hostName
FQDN for the grocy instance.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/grocy.nix>

services.grocy.nginx.enableSSL

Whether or not to enable SSL (with ACME and let's encrypt) for the grocy vhost.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/grocy.nix>

services.grocy.phpfpm.settings

Options for grocy's PHPFPM pool.

Type: attribute set of (signed integer or string or boolean)

Default:

```
{
  "pm" = "dynamic";
  "php_admin_value[error_log]" = "stderr";
  "php_admin_flag[log_errors]" = true;
  "listen.owner" = config.services.nginx.user;
  "catch_workers_output" = true;
  "pm.max_children" = "32";
  "pm.start_servers" = "2";
  "pm.min_spare_servers" = "2";
  "pm.max_spare_servers" = "4";
  "pm.max_requests" = "500";
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/grocy.nix>

services.grocy.settings.calendar.firstDayOfWeek

Which day of the week (0=Sunday, 1=Monday etc.) should be the first day.

Type: null or one of 0, 1, 2, 3, 4, 5, 6

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/grocy.nix>

services.grocy.settings.calendar.showWeekNumber

Show the number of the weeks in the calendar views.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/grocy.nix>

services.grocy.settings.culture

Display language of the frontend.

Type: one of "bg_BG", "ca", "cs", "da", "de", "el_GR", "en", "en_GB", "es", "et_EE", "fi", "fr", "he_IL", "hu", "it", "ja", "ko_KR", "lt", "nl", "no", "pl", "pt_BR", "pt_PT", "ro_RO", "ru", "sk_SK", "sl", "sv_SE", "ta", "tr", "uk", "zh_CN", "zh_TW"

Default:

```
"en"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/grocy.nix>

services.grocy.settings.currency
ISO 4217 code for the currency to display.

Type: string

Default:

```
"USD"
```

Example:

```
"EUR"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/grocy.nix>

services.grocy.settings.entryPage
Specify an custom homepage if desired.

Type: one of “stock”, “shoppinglist”, “recipes”, “chores”, “tasks”, “batteries”, “equipment”, “calendar”, “mealplan”

Default:

```
"stock"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/grocy.nix>

services.guacamole−client.enable
Whether to enable Apache Guacamole Client (Tomcat).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/guacamole−client.nix>

services.guacamole−client.enableWebserver
Enable the Guacamole web application in a Tomcat webserver.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/guacamole−client.nix>

services.guacamole−client.package

The guacamole−client package to use.

Type: package

Default:

```
pkgs.guacamole−client
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/guacamole−client.nix>

services.guacamole−client.logbackXml

Configuration file that correspond to ‘logback.xml’.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/path/to/logback.xml"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/guacamole−client.nix>

services.guacamole−client.settings

Configuration written to ‘guacamole.properties’.

Note

The Guacamole web application uses one main configuration file called ‘guacamole.properties’. This file is the common location for all configuration properties read by Guacamole or any extension of Guacamole, including authentication providers.

Type: open submodule of attribute set of (string, package, bool, int or float)

Default:

```
{
  guacd−hostname = "localhost";
  guacd−port = 4822;
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/guacamole−client.nix>

services.guacamole−client.userMappingXml

Configuration file that correspond to ‘user−mapping.xml’.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/path/to/user−mapping.xml"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/guacamole−client.nix>

services.guacamole−server.enable

Whether to enable Apache Guacamole Server (guacd).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/guacamole−server.nix>

services.guacamole−server.package

The guacamole−server package to use.

Type: package

Default:

```
pkgs.guacamole−server
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/guacamole−server.nix>

services.guacamole−server.extraEnvironment

Environment variables to pass to guacd.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  ENVIRONMENT = "production";
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/guacamole−server.nix>

services.guacamole−server.host

The host name or IP address the server should listen to.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/guacamole−server.nix>

services.guacamole−server.port

The port the guacd server should listen to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
4822
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/guacamole−server.nix>

services.guix.enable
Whether to enable Guix build daemon service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/guix>

services.guix.package
The guix package to use. It should contain **guix−daemon** and **guix** executable.

Type: package

Default:

```
pkgs.guix
```

Declared by:
<nixpkgs/nixos/modules/services/misc/guix>

services.guix.extraArgs
Extra flags to pass to the Guix daemon service.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "−−max−jobs=4"
  "−−debug"
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/guix>

services.guix.gc.enable
Whether to enable automatic garbage collection service for Guix.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/guix>

services.guix.gc.dates

How often the garbage collection occurs. This takes the time format from **systemd.time**(7).

Type: string

Default:

```
"03:15"
```

Example:

```
"weekly"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/guix>

services.guix.gc.extraArgs

List of arguments to be passed to **guix gc**.

When given no option, it will try to collect all garbage which is often inconvenient so it is recommended to set **some options**.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--delete-generations=1m"
  "--free-space=10G"
  "--optimize"
]
```

Declared by:

<nixpkgs/nixos/modules/services/misc/guix>

services.guix.group

The group of the Guix build user pool.

Type: string

Default:

```
"guixbuild"
```

Example:

```
"guixbuild"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/guix>

services.guix.nrBuildUsers

Number of Guix build users to be used in the build pool.

Type: unsigned integer, meaning >=0

Default:

```
10
```

Example:

```
20
```

Declared by:
<nixpkgs/nixos/modules/services/misc/guix>

services.guix.publish.enable
Whether to enable substitute server for your Guix store directory.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/guix>

services.guix.publish.extraArgs
Extra flags to pass to the substitute server.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--compression=zstd:6"
  "--discover=no"
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/guix>

services.guix.publish.generateKeyPair
Whether to generate signing keys in */etc/guix* which are required to initialize a substitute server. Otherwise, '--public-key=$FILE' and '--private-key=$FILE' can be passed in **services.guix.publish.extraArgs**.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/guix>

services.guix.publish.port
Port of the substitute server to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8181
```

Example:

```
8200
```

Declared by:
<nixpkgs/nixos/modules/services/misc/guix>

services.guix.publish.user
Name of the user to change once the server is up.

Type: string

Default:

```
"guix-publish"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/guix>

services.guix.stateDir
The state directory where Guix service will store its data such as its user-specific profiles, cache, and state files.

Warning
Changing it to something other than the default will rebuild the package.

Type: absolute path

Default:

```
"/var"
```

Example:

```
"/gnu/var"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/guix>

services.guix.storeDir
The store directory where the Guix service will serve to/from. Take note Guix cannot take advantage of substitutes if you set it something other than */gnu/store* since most of the cached builds are assumed to be in there.

Warning
This will also recompile all packages because the normal cache no longer applies.

Type: absolute path

Default:

```
"/gnu/store"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/guix>

services.guix.substituters.authorizedKeys
A list of signing keys for each substitute server to be authorized as a source of substitutes. Without this, the listed substitute servers from **services.guix.substituters.urls** would be ignored **with some exceptions**.

Type: list of absolute path

Default:

```
The packaged signing keys from {option}‘services.guix.package‘.
```

Example:

```
options.services.guix.substituters.authorizedKeys.default ++ [
  (builtins.fetchurl {
    url = "https://guix.example.com/signing-key.pub";
```

```
  })
  (builtins.fetchurl {
    url = "https://guix.example.org/static/signing-key.pub";
  })
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/guix>

services.guix.substituters.urls
A list of substitute servers' URLs for the Guix daemon to download substitutes from.

Type: list of string

Default:

```
[
  "https://ci.guix.gnu.org"
  "https://bordeaux.guix.gnu.org"
  "https://berlin.guix.gnu.org"
]
```

Example:

```
options.services.guix.substituters.urls.default ++ [
  "https://guix.example.com"
  "https://guix.example.org"
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/guix>

services.gvfs.enable
Whether to enable GVfs, a userspace virtual filesystem.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/gvfs.nix>

services.gvfs.package
The gvfs package to use.

Type: package

Default:

```
pkgs.gnome.gvfs
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/gvfs.nix>

services.gvpe.enable
Whether to enable gvpe.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/gvpe.nix>

services.gvpe.configFile
GVPE config file, if already present

Type: null or absolute path

Default:

```
null
```

Example:

```
"/root/my-gvpe-conf"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/gvpe.nix>

services.gvpe.configText
GVPE config contents

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
tcp-port = 655
udp-port = 655
mtu = 1480
ifname = vpn0

node = alpha
hostname = alpha.example.org
connect = always
enable-udp = true
enable-tcp = true
on alpha if-up = if-up-0
on alpha pid-file = /var/gvpe/gvpe.pid
```

Declared by:
<nixpkgs/nixos/modules/services/networking/gvpe.nix>

services.gvpe.customIFSetup
Additional commands to apply in ifup script

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/gvpe.nix>

services.gvpe.ipAddress
IP address to assign to GVPE interface

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/gvpe.nix>

services.gvpe.nodename
GVPE node name

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/gvpe.nix>

services.gvpe.subnet
IP subnet assigned to GVPE network

Type: null or string

Default:

```
null
```

Example:

```
"10.0.0.0/8"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/gvpe.nix>

services.h2o.enable
Whether to enable H2O web server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/h2o/default.nix>

services.h2o.package
The h2o package to use.

Type: package

Default:

```
pkgs.h2o
```

Example:

```
pkgs.h2o.override {
  withMruby = false;
  openssl = pkgs.openssl_legacy;
```

```
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/h2o/default.nix>

services.h2o.defaultHTTPListenPort
If hosts do not specify listen.port, use these ports for HTTP by default.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
80
```

Example:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/h2o/default.nix>

services.h2o.defaultTLSListenPort
If hosts do not specify listen.port, use these ports for SSL by default.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
443
```

Example:

```
8443
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/h2o/default.nix>

services.h2o.defaultTLSRecommendations
By default, H2O, without prejudice, will use as many TLS versions & cipher suites as it & the TLS library (OpenSSL) can support. The user is expected to hone settings for the security of their server. Setting some constraints is recommended, & if unsure about what TLS settings to use, this option gives curated TLS settings recommendations from Mozilla's 'SSL Configuration Generator' project (see **https://ssl−config.mozilla.org**) or read more at Mozilla's Wiki (see **https://wiki.mozilla.org/Security/Server_Side_TLS**).

modern
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: General−purpose servers with a variety of clients, recommended for almost all systems

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: Compatible with a number of very old clients, & should be used only as a last resort

The default for all virtual hosts can be set with services.h2o.defaultTLSRecommendations, but this value can be overridden on a per−host basis using services.h2o.hosts.<name>.tls.recommmendations. The settings will also be overidden by manual values set with services.settings.h2o.hosts.<name>.tls.extraSettings.

NOTE: older/weaker ciphers might require overriding the OpenSSL version of H2O (such as 'openssl_legacy'). This can be done with sevices.settings.h2o.package.

Type: null or one of "modern", "intermediate", "old"

Default:

```
null
```

Example:

```
"intermediate"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/h2o/default.nix>

services.h2o.group

Group running H2O services

Type: non−empty string

Default:

```
"h2o"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/h2o/default.nix>

services.h2o.hosts

The ‘hosts’ config to be merged with the settings.

Note that unlike YAML used for H2O, Nix will not support duplicate keys to, for instance, have multiple listens in a host block; use the virtual host options in like ‘http’ & ‘tls’ or use ‘$HOST:$PORT’ keys if manually specifying config.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "hydra.example.com" = {
    tls = {
      policy = "force";
      identity = [
        {
          key−file = "/path/to/key";
          certificate−file = "/path/to/cert";
        };
      ];
      extraSettings = {
        minimum−version = "TLSv1.3";
      };
    };
    settings = {
      paths."/" = {
        "file:dir" = "/var/www/default";
      };
    };
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/h2o/default.nix>

services.h2o.hosts.<name>.acme
ACME options for virtual host.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/h2o/default.nix>

services.h2o.hosts.<name>.acme.enable
Whether to ask Let's Encrypt to sign a certificate for this virtual host. Alternatively, an existing host can be used thru **acme.useHost**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/h2o/default.nix>

services.h2o.hosts.<name>.acme.root
Directory for the ACME challenge, which is **public**. Don't put certs or keys in here. Set to 'null' to inherit from config.security.acme.

Type: null or absolute path

Default:

```
"/var/lib/acme/acme−challenge"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/h2o/default.nix>

services.h2o.hosts.<name>.acme.useHost
An existing Let's Encrypt certificate to use for this virtual host. This is useful if you have many subdomains and want to avoid hitting the **rate limit**. Alternately, you can generate a certificate through **acme.enable**. Note that this option neither creates any certificates nor does it add subdomains to existing ones — you will need to create them manually using **security.acme.certs**.

Type: null or non−empty string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/h2o/default.nix>

services.h2o.hosts.<name>.host
Set the host address for this virtual host. If unset, the default is to listen on all network interfaces.

Type: null or non−empty string

Default:

```
null
```

Example:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/h2o/default.nix>

services.h2o.hosts.<name>.http
HTTP options for virtual host

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/h2o/default.nix>

services.h2o.hosts.<name>.http.port
Override the default HTTP port for this virtual host.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
config.services.h2o.defaultHTTPListenPort
```

Example:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/h2o/default.nix>

services.h2o.hosts.<name>.serverAliases
Additional names of virtual hosts served by this virtual host configuration.

Type: list of non−empty string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
  "example.org"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/h2o/default.nix>

services.h2o.hosts.<name>.serverName
Server name to be used for this virtual host. Defaults to attribute name in hosts.

Type: null or non−empty string

Default:

```
null
```

Example:

```
"example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/h2o/default.nix>

services.h2o.hosts.<name>.settings

Attrset to be transformed into YAML for host config. Note that the HTTP / TLS configurations will override these config values. See **https://h2o.examp1e.net/configure/base_directives.html#hosts**.

Type: attribute set

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/h2o/default.nix>

services.h2o.hosts.<name>.tls

TLS options for virtual host

Type: null or (submodule)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/h2o/default.nix>

services.h2o.hosts.<name>.tls.extraSettings

Additional TLS/SSL−related configuration options. See **https://h2o.examp1e.net/configure/base_directives.html#listen−ssl**.

Type: attribute set

Default:

```
{ }
```

Example:

```
{
  minimum−version = "TLSv1.3";
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/h2o/default.nix>

services.h2o.hosts.<name>.tls.identity

Key / certificate pairs for the virtual host.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    key−file = "/path/to/rsa.key";
    certificate−file = "/path/to/rsa.crt";
  }
  {
    key−file = "/path/to/ecdsa.key";
    certificate−file = "/path/to/ecdsa.crt";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/h2o/default.nix>

services.h2o.hosts.<name>.tls.identity.*.certificate−file
Path to certificate file. See **https://h2o.examp1e.net/configure/base_directives.html#certificate−file**.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/web−servers/h2o/default.nix>

services.h2o.hosts.<name>.tls.identity.*.key−file
Path to key file. See **https://h2o.examp1e.net/configure/base_directives.html#key−file**.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/web−servers/h2o/default.nix>

services.h2o.hosts.<name>.tls.policy
‘add’ will additionally listen for TLS connections. ‘only’ will disable TLS connections. ‘force’ will redirect non−TLS traffic to the TLS connection.

Type: one of “add”, “only”, “force”

Example:

```
"force"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/h2o/default.nix>

services.h2o.hosts.<name>.tls.port
Override the default TLS port for this virtual host.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
config.services.h2o.defaultTLSListenPort
```

Example:

```
8443
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/h2o/default.nix>

services.h2o.hosts.<name>.tls.quic
Enables HTTP/3 over QUIC on the UDP port for TLS. The attrset provides fine−turning for QUIC behavior, but can be empty. See **https://h2o.examp1e.net/configure/http3_directives.html#quic−attributes**.

Type: null or (attribute set)

Default:

```
null
```

Example:

```
{
  amp−limit = 2;
  handshake−timeout−rtt−multiplier = 300;
  retry = "ON";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/h2o/default.nix>

services.h2o.hosts.<name>.tls.recommendations
By default, H2O, without prejudice, will use as many TLS versions & cipher suites as it & the TLS library (OpenSSL) can support. The user is expected to hone settings for the security of their server. Setting some constraints is recommended, & if unsure about what TLS settings to use, this option gives curated TLS settings recommendations from Mozilla's 'SSL Configuration Generator' project (see **https://ssl−config.mozilla.org**) or read more at Mozilla's Wiki (see **https://wiki.mozilla.org/Security/Server_Side_TLS**).

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The default for all virtual hosts can be set with services.h2o.defaultTLSRecommendations, but this value can be overridden on a per−host basis using services.h2o.hosts.<name>.tls.recommmendations. The settings will also be overidden by manual values set with services.settings.h2o.hosts.<name>.tls.extraSettings.

NOTE: older/weaker ciphers might require overriding the OpenSSL version of H2O (such as 'openssl_legacy'). This can be done with sevices.settings.h2o.package.

Type: null or one of "modern", "intermediate", "old"

Default:

```
null
```

Example:

```
"intermediate"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/h2o/default.nix>

services.h2o.hosts.<name>.tls.redirectCode
HTTP status used by 'globalRedirect' & 'forceSSL'. Possible usecases include temporary (302, 307) redirects, keeping the request method & body (307, 308), or explicitly resetting the method to GET (303). See **https://developer.mozilla.org/en−US/docs/Web/HTTP/Redirections**.

Type: integer between 300 and 399 (both inclusive)

Default:

```
301
```

Example:

```
308
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/h2o/default.nix>

services.h2o.settings
Configuration for H2O (see **https://h2o.examp1e.net/configure.html**)

Type: YAML 1.1 value

Default:

```
{ }
```

Example:

```
{
  compress = "ON";
  ssl-offload = "kernel";
  http2-reprioritize-blocking-assets = "ON";
  "file.mime.addtypes" = {
    "text/x-rst" = {
      extensions = [ ".rst" ];
      is_compressible = "YES";
    };
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/h2o/default.nix>

services.h2o.user
User running H2O service

Type: non-empty string

Default:

```
"h2o"
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/h2o/default.nix>

services.hadoop.package
The hadoop package to use.

Type: package

Default:

```
pkgs.hadoop
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/default.nix>

services.hadoop.containerExecutorCfg
Yarn container-executor.cfg definition **https://hadoop.apache.org/docs/r2.7.2/hadoop-yarn/hadoop-yarn-site/SecureContainer.html**

Type: attribute set of anything

Default:

```
{
  "feature.mount-cgroup.enabled" = 1;
  "feature.terminal.enabled" = 1;
  "min.user.id" = 1000;
  "yarn.nodemanager.linux-container-executor.group" = "hadoop";
}
```

Example:

```
options.services.hadoop.containerExecutorCfg.default // {
  "feature.terminal.enabled" = 0;
}
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/default.nix>

services.hadoop.coreSite
Hadoop core−site.xml definition **https://hadoop.apache.org/docs/current/hadoop−project−dist/hadoop−common/core−default.xml**

Type: attribute set of anything

Default:

```
{ }
```

Example:

```
{
  "fs.defaultFS" = "hdfs://localhost";
}
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/default.nix>

services.hadoop.extraConfDirs
Directories containing additional config files to be added to HADOOP_CONF_DIR

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[
  ./extraHDFSConfs
  ./extraYARNConfs
]
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/default.nix>

services.hadoop.gatewayRole.enable
Whether to enable gateway role for deploying hadoop configs.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/default.nix>

services.hadoop.gatewayRole.enableHbaseCli
Whether to enable HBase CLI tools.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hbase.nix>

services.hadoop.hbase.package
The hbase package to use.

Type: package

Default:

```
pkgs.hbase
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hbase.nix>

services.hadoop.hbase.master.enable
Whether to enable HBase master.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hbase.nix>

services.hadoop.hbase.master.environment
Environment variables passed to master.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  HBASE_MASTER_OPTS = "-Dcom.sun.management.jmxremote.ssl=true";
}
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hbase.nix>

services.hadoop.hbase.master.extraFlags
Extra flags for the master service.

Type: list of string

Default:

```
[ ]
```

Example:

```
[ "--backup" ]
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hbase.nix>

services.hadoop.hbase.master.initHDFS
Whether to enable initialization of the hbase directory on HDFS.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hbase.nix>

services.hadoop.hbase.master.openFirewall
Open firewall ports for HBase master.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hbase.nix>

services.hadoop.hbase.master.restartIfChanged
Restart master con config change.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hbase.nix>

services.hadoop.hbase.regionServer.enable
Whether to enable HBase regionServer.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hbase.nix>

services.hadoop.hbase.regionServer.environment
Environment variables passed to regionServer.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  HBASE_MASTER_OPTS = "-Dcom.sun.management.jmxremote.ssl=true";
}
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hbase.nix>

services.hadoop.hbase.regionServer.extraFlags
Extra flags for the regionServer service.

Type: list of string

Default:

```
[ ]
```

Example:

```
[ "--backup" ]
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hbase.nix>

services.hadoop.hbase.regionServer.openFirewall
Open firewall ports for HBase regionServer.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hbase.nix>

services.hadoop.hbase.regionServer.overrideHosts
Remove /etc/hosts entries for “127.0.0.2” and “::1” defined in nixos/modules/config/networking.nix Regionservers must be able to resolve their hostnames to their IP addresses, through PTR records or /etc/hosts entries.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hbase.nix>

services.hadoop.hbase.regionServer.restartIfChanged
Restart regionServer con config change.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hbase.nix>

services.hadoop.hbase.rest.enable
Whether to enable HBase rest.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hbase.nix>

services.hadoop.hbase.rest.environment
Environment variables passed to rest.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  HBASE_MASTER_OPTS = "-Dcom.sun.management.jmxremote.ssl=true";
}
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hbase.nix>

services.hadoop.hbase.rest.extraFlags
Extra flags for the rest service.

Type: list of string

Default:

```
[ ]
```

Example:

```
[ "--backup" ]
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hbase.nix>

services.hadoop.hbase.rest.infoPort
web UI port

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8085
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hbase.nix>

services.hadoop.hbase.rest.openFirewall
Open firewall ports for HBase rest.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hbase.nix>

services.hadoop.hbase.rest.port
RPC port

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hbase.nix>

services.hadoop.hbase.rest.restartIfChanged
Restart rest con config change.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hbase.nix>

services.hadoop.hbase.rootdir
This option will set “hbase.rootdir” in hbase−site.xml and determine the directory shared by region servers and into which HBase persists. The URL should be ‘fully−qualified’ to include the filesystem scheme. If a core−site.xml is provided, the FS scheme defaults to the value of “fs.defaultFS”.

Filesystems other than HDFS (like S3, QFS, Swift) are also supported.

Type: string

Default:

```
"/hbase"
```

Example:

```
"hdfs://nameservice1/hbase"
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hbase.nix>

services.hadoop.hbase.thrift.enable
Whether to enable HBase thrift.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hbase.nix>

services.hadoop.hbase.thrift.environment
Environment variables passed to thrift.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  HBASE_MASTER_OPTS = "−Dcom.sun.management.jmxremote.ssl=true";
}
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hbase.nix>

services.hadoop.hbase.thrift.extraFlags
Extra flags for the thrift service.

Type: list of string

Default:

```
[ ]
```

Example:

```
[ "--backup" ]
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hbase.nix>

services.hadoop.hbase.thrift.infoPort
web UI port

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9095
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hbase.nix>

services.hadoop.hbase.thrift.openFirewall
Open firewall ports for HBase thrift.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hbase.nix>

services.hadoop.hbase.thrift.port
RPC port

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9090
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hbase.nix>

services.hadoop.hbase.thrift.restartIfChanged
Restart thrift con config change.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hbase.nix>

services.hadoop.hbase.zookeeperQuorum

This option will set “hbase.zookeeper.quorum” in hbase−site.xml. Comma separated list of servers in the ZooKeeper ensemble.

Type: null or strings concatenated with “,”

Default:

```
null
```

Example:

```
"zk1.internal,zk2.internal,zk3.internal"
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/hadoop/hbase.nix>

services.hadoop.hbaseSite

Additional options and overrides for hbase−site.xml **https://github.com/apache/hbase/blob/rel/2.4.11/hbase−common/src/main/resources/hbase−default.xml**

Type: attribute set of anything

Default:

```
{ }
```

Example:

```
{
  "hbase.hregion.max.filesize" = 20*1024*1024*1024;
  "hbase.table.normalization.enabled" = "true";
}
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/hadoop/hbase.nix>

services.hadoop.hbaseSiteDefault

Default options for hbase−site.xml

Type: attribute set of anything

Default:

```
{
  "hbase.cluster.distributed" = "true";
  "hbase.master.info.bindAddress" = "0.0.0.0";
  "hbase.master.ipc.address" = "0.0.0.0";
  "hbase.regionserver.info.bindAddress" = "0.0.0.0";
  "hbase.regionserver.ipc.address" = "0.0.0.0";
}
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/hadoop/hbase.nix>

services.hadoop.hdfs.datanode.enable

Whether to enable HDFS DataNode.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hdfs.nix>

services.hadoop.hdfs.datanode.dataDirs
Tier and path definitions for datanode storage.

Type: null or (list of (submodule))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hdfs.nix>

services.hadoop.hdfs.datanode.dataDirs.*.path
Determines where on the local filesystem a data node should store its blocks.

Type: absolute path

Example:

```
[
  "/var/lib/hadoop/hdfs/dn"
]
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hdfs.nix>

services.hadoop.hdfs.datanode.dataDirs.*.type
Storage types ([SSD]/[DISK]/[ARCHIVE]/[RAM_DISK]) for HDFS storage policies.

Type: one of “SSD”, “DISK”, “ARCHIVE”, “RAM_DISK”

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hdfs.nix>

services.hadoop.hdfs.datanode.extraEnv
Extra environment variables for HDFS DataNode

Type: attribute set of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hdfs.nix>

services.hadoop.hdfs.datanode.extraFlags
Extra command line flags to pass to HDFS DataNode

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-Dcom.sun.management.jmxremote"
  "-Dcom.sun.management.jmxremote.port=8010"
]
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hdfs.nix>

services.hadoop.hdfs.datanode.openFirewall
Open firewall ports for HDFS DataNode.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hdfs.nix>

services.hadoop.hdfs.datanode.restartIfChanged
Automatically restart the service on config change. This can be set to false to defer restarts on clusters running critical applications. Please consider the security implications of inadvertently running an older version, and the possibility of unexpected behavior caused by inconsistent versions across a cluster when disabling this option.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hdfs.nix>

services.hadoop.hdfs.httpfs.enable
Whether to enable HDFS JournalNode.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hdfs.nix>

services.hadoop.hdfs.httpfs.extraEnv
Extra environment variables for HDFS JournalNode

Type: attribute set of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hdfs.nix>

services.hadoop.hdfs.httpfs.extraFlags
Extra command line flags to pass to HDFS JournalNode

Type: list of string

Default:

```
[ ]
```

Example:

```
[
```

```
    "-Dcom.sun.management.jmxremote"
    "-Dcom.sun.management.jmxremote.port=8010"
  ]
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hdfs.nix>

services.hadoop.hdfs.httpfs.openFirewall
Open firewall ports for HDFS JournalNode.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hdfs.nix>

services.hadoop.hdfs.httpfs.restartIfChanged
Automatically restart the service on config change. This can be set to false to defer restarts on clusters running critical applications. Please consider the security implications of inadvertently running an older version, and the possibility of unexpected behavior caused by inconsistent versions across a cluster when disabling this option.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hdfs.nix>

services.hadoop.hdfs.httpfs.tempPath
HTTPFS_TEMP path used by HTTPFS

Type: absolute path

Default:

```
"/tmp/hadoop/httpfs"
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hdfs.nix>

services.hadoop.hdfs.journalnode.enable
Whether to enable HDFS JournalNode.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hdfs.nix>

services.hadoop.hdfs.journalnode.extraEnv

Extra environment variables for HDFS JournalNode

Type: attribute set of string

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/hadoop/hdfs.nix>

services.hadoop.hdfs.journalnode.extraFlags

Extra command line flags to pass to HDFS JournalNode

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-Dcom.sun.management.jmxremote"
  "-Dcom.sun.management.jmxremote.port=8010"
]
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/hadoop/hdfs.nix>

services.hadoop.hdfs.journalnode.openFirewall

Open firewall ports for HDFS JournalNode.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/hadoop/hdfs.nix>

services.hadoop.hdfs.journalnode.restartIfChanged

Automatically restart the service on config change. This can be set to false to defer restarts on clusters running critical applications. Please consider the security implications of inadvertently running an older version, and the possibility of unexpected behavior caused by inconsistent versions across a cluster when disabling this option.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/hadoop/hdfs.nix>

services.hadoop.hdfs.namenode.enable

Whether to enable HDFS NameNode.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hdfs.nix>

services.hadoop.hdfs.namenode.extraEnv
Extra environment variables for HDFS NameNode

Type: attribute set of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hdfs.nix>

services.hadoop.hdfs.namenode.extraFlags
Extra command line flags to pass to HDFS NameNode

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-Dcom.sun.management.jmxremote"
  "-Dcom.sun.management.jmxremote.port=8010"
]
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hdfs.nix>

services.hadoop.hdfs.namenode.formatOnInit
Format HDFS namenode on first start. This is useful for quickly spinning up ephemeral HDFS clusters with a single namenode. For HA clusters, initialization involves multiple steps across multiple nodes. Follow this guide to initialize an HA cluster manually: **https://hadoop.apache.org/docs/stable/hadoop-project-dist/hadoop-hdfs/HDFSHighAvailabilityWithQJM.html**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hdfs.nix>

services.hadoop.hdfs.namenode.openFirewall
Open firewall ports for HDFS NameNode.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/hdfs.nix>

services.hadoop.hdfs.namenode.restartIfChanged

Automatically restart the service on config change. This can be set to false to defer restarts on clusters running critical applications. Please consider the security implications of inadvertently running an older version, and the possibility of unexpected behavior caused by inconsistent versions across a cluster when disabling this option.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/hadoop/hdfs.nix>

services.hadoop.hdfs.zkfc.enable

Whether to enable HDFS ZooKeeper failover controller.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/hadoop/hdfs.nix>

services.hadoop.hdfs.zkfc.extraEnv

Extra environment variables for HDFS ZooKeeper failover controller

Type: attribute set of string

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/hadoop/hdfs.nix>

services.hadoop.hdfs.zkfc.extraFlags

Extra command line flags to pass to HDFS ZooKeeper failover controller

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-Dcom.sun.management.jmxremote"
  "-Dcom.sun.management.jmxremote.port=8010"
]
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/hadoop/hdfs.nix>

services.hadoop.hdfs.zkfc.restartIfChanged

Automatically restart the service on config change. This can be set to false to defer restarts on clusters running critical applications. Please consider the security implications of inadvertently running an older version, and the possibility of unexpected behavior caused by inconsistent versions across a cluster when disabling this option.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/hadoop/hdfs.nix>

services.hadoop.hdfsSite

Additional options and overrides for hdfs−site.xml **https://hadoop.apache.org/docs/current/hadoop−project−dist/hadoop−hdfs/hdfs−default.xml**

Type: attribute set of anything

Default:

```
{ }
```

Example:

```
{
  "dfs.nameservices" = "namenode1";
}
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/hadoop/default.nix>

services.hadoop.hdfsSiteDefault

Default options for hdfs−site.xml

Type: attribute set of anything

Default:

```
{
  "dfs.namenode.http−address" = "0.0.0.0:9870";
  "dfs.namenode.http−bind−host" = "0.0.0.0";
  "dfs.namenode.rpc−bind−host" = "0.0.0.0";
  "dfs.namenode.servicerpc−bind−host" = "0.0.0.0";
}
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/hadoop/default.nix>

services.hadoop.httpfsSite

Hadoop httpfs−site.xml definition **https://hadoop.apache.org/docs/current/hadoop−hdfs−httpfs/httpfs−default.html**

Type: attribute set of anything

Default:

```
{ }
```

Example:

```
{
  "hadoop.http.max.threads" = 500;
}
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/default.nix>

services.hadoop.log4jProperties
log4j.properties file added to HADOOP_CONF_DIR

Type: absolute path

Default:

```
"${config.services.hadoop.package}/etc/hadoop/log4j.properties"
```

Example:

```
"${pkgs.hadoop}/etc/hadoop/log4j.properties";
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/default.nix>

services.hadoop.mapredSite
Additional options and overrides for mapred−site.xml **https://hadoop.apache.org/docs/current/hadoop−mapreduce−client/hadoop−mapreduce−client−core/mapred−default.xml**

Type: attribute set of anything

Default:

```
{ }
```

Example:

```
{
  "mapreduce.map.java.opts" = "−Xmx900m −XX:+UseParallelGC";
}
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/default.nix>

services.hadoop.mapredSiteDefault
Default options for mapred−site.xml

Type: attribute set of anything

Default:

```
{
  "mapreduce.framework.name" = "yarn";
  "yarn.app.mapreduce.am.env" = "HADOOP_MAPRED_HOME=${config.servic \
es.hadoop.package}";
  "mapreduce.map.env" = "HADOOP_MAPRED_HOME=${config.services.hadoo \
p.package}";
  "mapreduce.reduce.env" = "HADOOP_MAPRED_HOME=${config.services.ha \
doop.package}";
}
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/default.nix>

services.hadoop.yarn.nodemanager.enable
Whether to enable Hadoop YARN NodeManager.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/yarn.nix>

services.hadoop.yarn.nodemanager.addBinBash
Add /bin/bash. This is needed by the linux container executor's launch script.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/yarn.nix>

services.hadoop.yarn.nodemanager.extraEnv
Extra environment variables

Type: attribute set of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/yarn.nix>

services.hadoop.yarn.nodemanager.extraFlags
Extra command line flags to pass to the service

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-Dcom.sun.management.jmxremote"
  "-Dcom.sun.management.jmxremote.port=8010"
]
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/yarn.nix>

services.hadoop.yarn.nodemanager.localDir
List of directories to store localized files in.

Type: null or (list of absolute path)

Default:

```
null
```

Example:

```
[
  "/var/lib/hadoop/yarn/nm"
]
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/yarn.nix>

services.hadoop.yarn.nodemanager.openFirewall

Open firewall ports for nodemanager. Because containers can listen on any ephemeral port, TCP ports 1024–65535 will be opened.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/hadoop/yarn.nix>

services.hadoop.yarn.nodemanager.resource.cpuVCores

Number of vcores that can be allocated for containers.

Type: null or (positive integer, meaning >0)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/hadoop/yarn.nix>

services.hadoop.yarn.nodemanager.resource.maximumAllocationMB

The maximum physical memory any container can be allocated.

Type: null or (positive integer, meaning >0)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/hadoop/yarn.nix>

services.hadoop.yarn.nodemanager.resource.maximumAllocationVCores

The maximum virtual CPU cores any container can be allocated.

Type: null or (positive integer, meaning >0)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/hadoop/yarn.nix>

services.hadoop.yarn.nodemanager.resource.memoryMB

Amount of physical memory, in MB, that can be allocated for containers.

Type: null or (positive integer, meaning >0)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/hadoop/yarn.nix>

services.hadoop.yarn.nodemanager.restartIfChanged

Automatically restart the service on config change. This can be set to false to defer restarts on clusters running critical applications. Please consider the security implications of inadvertently running an older version, and the possibility of unexpected behavior caused by inconsistent versions across a cluster when disabling this option.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/hadoop/yarn.nix>

services.hadoop.yarn.nodemanager.useCGroups

Use cgroups to enforce resource limits on containers

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/hadoop/yarn.nix>

services.hadoop.yarn.resourcemanager.enable

Whether to enable Hadoop YARN ResourceManager.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/hadoop/yarn.nix>

services.hadoop.yarn.resourcemanager.extraEnv

Extra environment variables

Type: attribute set of string

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/hadoop/yarn.nix>

services.hadoop.yarn.resourcemanager.extraFlags

Extra command line flags to pass to the service

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-Dcom.sun.management.jmxremote"
  "-Dcom.sun.management.jmxremote.port=8010"
]
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/hadoop/yarn.nix>

services.hadoop.yarn.resourcemanager.openFirewall

Open firewall ports for resourcemanager

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/hadoop/yarn.nix>

services.hadoop.yarn.resourcemanager.restartIfChanged

Automatically restart the service on config change. This can be set to false to defer restarts on clusters running critical applications. Please consider the security implications of inadvertently running an older version, and the possibility of unexpected behavior caused by inconsistent versions across a cluster when disabling this option.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/hadoop/yarn.nix>

services.hadoop.yarnSite

Additional options and overrides for yarn−site.xml **https://hadoop.apache.org/docs/current/hadoop−yarn/hadoop−yarn−common/yarn−default.xml**

Type: attribute set of anything

Default:

```
{ }
```

Example:

```
{
  "yarn.resourcemanager.hostname" = "${config.networking.hostName}" \
;
}
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/hadoop/default.nix>

services.hadoop.yarnSiteDefault

Default options for yarn−site.xml

Type: attribute set of anything

Default:

```
{
  "yarn.nodemanager.admin−env" = "PATH=$PATH";
  "yarn.nodemanager.aux−services" = "mapreduce_shuffle";
  "yarn.nodemanager.aux−services.mapreduce_shuffle.class" = "org.a \
pache.hadoop.mapred.ShuffleHandler";
  "yarn.nodemanager.bind−host" = "0.0.0.0";
  "yarn.nodemanager.container−executor.class" = "org.apache.hadoop \
.yarn.server.nodemanager.LinuxContainerExecutor";
  "yarn.nodemanager.env−whitelist" = "JAVA_HOME,HADOOP_COMMON_HOME \
,HADOOP_HDFS_HOME,HADOOP_CONF_DIR,CLASSPATH_PREPEND_DISTCACHE,HADOO \
P_YARN_HOME,HADOOP_HOME,LANG,TZ";
```

```
  "yarn.nodemanager.linux-container-executor.group" = "hadoop";
  "yarn.nodemanager.linux-container-executor.path" = "/run/wrappe \
rs/yarn-nodemanager/bin/container-executor";
  "yarn.nodemanager.log-dirs" = "/var/log/hadoop/yarn/nodemanager" \
;
  "yarn.resourcemanager.bind-host" = "0.0.0.0";
  "yarn.resourcemanager.scheduler.class" = "org.apache.hadoop.yarn. \
server.resourcemanager.scheduler.fair.FairScheduler";
}
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/hadoop/default.nix>

services.handheld-daemon.enable
Whether to enable Handheld Daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/handheld-daemon.nix>

services.handheld-daemon.package
The handheld-daemon package to use.

Type: package

Default:

```
pkgs.handheld-daemon
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/handheld-daemon.nix>

services.handheld-daemon.adjustor.enable
Whether to enable Handheld Daemon TDP control plugin.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/handheld-daemon.nix>

services.handheld-daemon.adjustor.loadAcpiCallModule
Whether to load the acpi_call kernel module. Required for TDP control by adjustor on most devices.

Type: boolean

Declared by:
<nixpkgs/nixos/modules/services/hardware/handheld-daemon.nix>

services.handheld−daemon.ui.enable
Whether to enable Handheld Daemon UI.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/handheld−daemon.nix>

services.handheld−daemon.ui.package
The handheld−daemon−ui package to use.

Type: package

Default:

```
pkgs.handheld−daemon−ui
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/handheld−daemon.nix>

services.handheld−daemon.user
The user to run Handheld Daemon with.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/hardware/handheld−daemon.nix>

services.hans.clients
Each attribute of this option defines a systemd service that runs hans. Many or none may be defined. The name of each service is ‘hans−«name»’ where «name» is the name of the corresponding attribute name.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  foo = {
    server = "192.0.2.1";
    extraConfig = "−v";
  }
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hans.nix>

services.hans.clients.<name>.extraConfig
Additional command line parameters

Type: string

Default:

```
""
```

Example:

```
"-v"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hans.nix>

services.hans.clients.<name>.passwordFile
File that contains password

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hans.nix>

services.hans.clients.<name>.server
IP address of server running hans

Type: string

Default:

```
""
```

Example:

```
"192.0.2.1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hans.nix>

services.hans.server.enable
enable hans server

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hans.nix>

services.hans.server.extraConfig
Additional command line parameters

Type: string

Default:

```
""
```

Example:

```
"-v"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hans.nix>

services.hans.server.ip
The assigned ip range

Type: string

Default:

```
""
```

Example:

```
"198.51.100.0"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hans.nix>

services.hans.server.passwordFile
File that contains password

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hans.nix>

services.hans.server.respondToSystemPings
Force hans respond to ordinary pings

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hans.nix>

services.haproxy.enable
Whether to enable HAProxy, the reliable, high performance TCP/HTTP load balancer.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/haproxy.nix>

services.haproxy.package
The haproxy package to use.

Type: package

Default:

```
pkgs.haproxy
```

Declared by:
<nixpkgs/nixos/modules/services/networking/haproxy.nix>

services.haproxy.config
Contents of the HAProxy configuration file, *haproxy.conf*.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/haproxy.nix>

services.haproxy.group

Group account under which haproxy runs.

Type: string

Default:

```
"haproxy"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/haproxy.nix>

services.haproxy.user

User account under which haproxy runs.

Type: string

Default:

```
"haproxy"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/haproxy.nix>

services.hardware.argonone.enable

Whether to enable the driver for Argon One Raspberry Pi case fan and power button.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/argonone.nix>

services.hardware.argonone.package

The argononed package to use.

Type: package

Default:

```
pkgs.argononed
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/argonone.nix>

services.hardware.bolt.enable

Whether to enable Bolt, a userspace daemon to enable security levels for Thunderbolt 3 on GNU/Linux.

Bolt is used by GNOME 3 to handle Thunderbolt settings.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/bolt.nix>

services.hardware.bolt.package
The bolt package to use.

Type: package

Default:

```
pkgs.bolt
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/bolt.nix>

services.hardware.deepcool−digital−linux.enable
Whether to enable DeepCool Digital monitoring daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/deepcool−digital−linux.nix>

services.hardware.deepcool−digital−linux.package
The deepcool−digital−linux package to use.

Type: package

Default:

```
pkgs.deepcool−digital−linux
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/deepcool−digital−linux.nix>

services.hardware.deepcool−digital−linux.extraArgs
Extra command line arguments to be passed to the deepcool−digital−linux daemon.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  # Change the update interval
  "−−update 750"
  # Enable the alarm
  "−−alarm"
]
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/deepcool−digital−linux.nix>

services.hardware.dell−bios−fan−control.enable
Whether to enable One−shot service to disable dell bios fan control on startup.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/dell−bios−fan−control.nix>

services.hardware.dell−bios−fan−control.package
The dell−bios−fan−control package to use.

Type: package

Default:

```
pkgs.dell−bios−fan−control
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/dell−bios−fan−control.nix>

services.hardware.lcd.client.enable
Enable the LCD panel client (LCDproc)

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/lcd.nix>

services.hardware.lcd.client.extraConfig
Additional configuration added verbatim to the client config.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/lcd.nix>

services.hardware.lcd.client.restartForever
Try restarting the client forever.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/lcd.nix>

services.hardware.lcd.server.enable
Enable the LCD panel server (LCDd)

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/lcd.nix>

services.hardware.lcd.server.extraConfig

Additional configuration added verbatim to the server config.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/lcd.nix>

services.hardware.lcd.server.openPorts

Open the ports in the firewall

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/lcd.nix>

services.hardware.lcd.server.usbGroup

The group to use for settings permissions. This group must exist or you will have to create it.

Type: string

Default:

```
"dialout"
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/lcd.nix>

services.hardware.lcd.server.usbPermissions

Set group−write permissions on a USB device.

A USB connected LCD panel will most likely require having its permissions modified for lcdd to write to it. Enabling this option sets group−write permissions on the device identified by **services.hardware.lcd.usbVid** and **services.hardware.lcd.usbPid**. In order to find the values, you can run the **lsusb** command. Example output:

```
Bus 005 Device 002: ID 0403:c630 Future Technology Devices Internat \
ional, Ltd lcd2usb interface
```

In this case the vendor id is 0403 and the product id is c630.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/lcd.nix>

services.hardware.lcd.server.usbPid

The product ID of the USB device to claim.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/lcd.nix>

services.hardware.lcd.server.usbVid
The vendor ID of the USB device to claim.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/lcd.nix>

services.hardware.lcd.serverHost
Host on which LCDd is listening.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/lcd.nix>

services.hardware.lcd.serverPort
Port on which LCDd is listening.

Type: signed integer

Default:

```
13666
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/lcd.nix>

services.hardware.openrgb.enable
Whether to enable OpenRGB server, for RGB lighting control.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/openrgb.nix>

services.hardware.openrgb.package
The openrgb package to use.

Type: package

Default:

```
pkgs.openrgb
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/openrgb.nix>

services.hardware.openrgb.motherboard
CPU family of motherboard. Allows for addition motherboard i2c support.

Type: null or one of “amd”, “intel”

Default: if config.hardware.cpu.intel.updateMicrocode then “intel” else if config.hardware.cpu.amd.updateMicrocode then “amd” else null;

Declared by:
<nixpkgs/nixos/modules/services/hardware/openrgb.nix>

services.hardware.openrgb.server.port
Set server port of openrgb.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
6742
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/openrgb.nix>

services.hardware.openrgb.startupProfile
The profile file to load from “/var/lib/OpenRGB” at startup.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/openrgb.nix>

services.hardware.pommed.enable
Whether to use the pommed tool to handle Apple laptop keyboard hotkeys.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/pommed.nix>

services.hardware.pommed.configFile
The path to the *pommed.conf* file. Leave to null to use the default config file (*/etc/pommed.conf.mactel*). See the files */etc/pommed.conf.mactel* and */etc/pommed.conf.pmac* for examples to build on.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/pommed.nix>

services.harmonia.package
The harmonia package to use.

Type: package

Default:

```
pkgs.harmonia
```

Declared by:
<nixpkgs/nixos/modules/services/networking/harmonia.nix>

services.harmonia.cache.enable
Whether to enable Harmonia: Nix binary cache written in Rust.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/harmonia.nix>

services.harmonia.cache.settings
Settings to merge with the default configuration. For the list of the default configuration, see **https://github.com/nix-community/harmonia/tree/master#configuration**.

Type: TOML value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/harmonia.nix>

services.harmonia.cache.signKeyPath
DEPRECATED: Use ‘services.harmonia-dev.cache.signKeyPaths’ instead. Path to the signing key to use for signing the cache

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/harmonia.nix>

services.harmonia.cache.signKeyPaths
Paths to the signing keys to use for signing the cache

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/harmonia.nix>

services.harmonia.daemon.enable
Whether to enable Harmonia daemon: Nix daemon protocol implementation.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/harmonia.nix>

services.harmonia.daemon.dbPath
Path to the Nix database

Type: string

Default:

```
"/nix/var/nix/db/db.sqlite"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/harmonia.nix>

services.harmonia.daemon.logLevel
Log level for the daemon

Type: string

Default:

```
"info"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/harmonia.nix>

services.harmonia.daemon.socketPath
Path where the daemon socket will be created

Type: string

Default:

```
"/run/harmonia-daemon/socket"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/harmonia.nix>

services.harmonia.daemon.storeDir
Path to the Nix store directory

Type: string

Default:

```
"/nix/store"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/harmonia.nix>

services.haste-server.enable
Whether to enable haste-server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/editors/haste.nix>

services.haste−server.openFirewall

Whether to enable firewall passthrough for haste−server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/editors/haste.nix>

services.haste−server.settings

Configuration for haste−server. For documentation see **project readme**

Type: JSON value

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/editors/haste.nix>

services.hatsu.enable

Whether to enable Self−hosted and fully−automated ActivityPub bridge for static sites.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/hatsu.nix>

services.hatsu.package

The hatsu package to use.

Type: package

Default:

```
pkgs.hatsu
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/hatsu.nix>

services.hatsu.settings

Configuration for Hatsu, see <link xlink:href=“https://hatsu.cli.rs/admins/environments.html”/> for supported values.

Type: open submodule of attribute set of (null or boolean or signed integer or 16 bit unsigned integer; between 0 and 65535 (both inclusive) or string)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/hatsu.nix>

services.hatsu.settings.HATSU_DATABASE_URL
Database URL.

Type: string

Default:

```
"sqlite:///var/lib/hatsu/hatsu.sqlite?mode=rwc"
```

Example:

```
"postgres://username:password@host/database"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/hatsu.nix>

services.hatsu.settings.HATSU_DOMAIN
The domain name of your instance (eg ‘hatsu.local’).

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/hatsu.nix>

services.hatsu.settings.HATSU_LISTEN_HOST
Host where hatsu should listen for incoming requests.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/hatsu.nix>

services.hatsu.settings.HATSU_LISTEN_PORT
Port where hatsu should listen for incoming requests.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3939
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/hatsu.nix>

services.hatsu.settings.HATSU_PRIMARY_ACCOUNT
The primary account of your instance (eg ‘example.com’).

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/hatsu.nix>

services.haveged.enable
Whether to enable haveged entropy daemon, which refills /dev/random when low. NOTE: does nothing on kernels newer than 5.6 .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/haveged.nix>

services.haveged.refill_threshold
The number of bits of available entropy beneath which haveged should refill the entropy pool.

Type: signed integer

Default:

```
1024
```

Declared by:
<nixpkgs/nixos/modules/services/security/haveged.nix>

services.haven.enable
Whether to enable haven.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/haven.nix>

services.haven.package
The haven package to use.

Type: package

Default:

```
pkgs.haven
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/haven.nix>

services.haven.blastrRelays
List of relay configurations for blastr

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "relay.example.com"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/haven.nix>

services.haven.environmentFile
Path to a file containing sensitive environment variables. See **https://github.com/bitvora/haven** for documentation. The file should contain environment−variable assignments like: S3_SECRET_KEY=mysecretkey S3_ACCESS_KEY_ID=myaccesskey

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/lib/haven/secrets.env"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/haven.nix>

services.haven.importRelays
List of relay configurations for importing historical events

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "relay.example.com"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/haven.nix>

services.haven.settings
See **https://github.com/bitvora/haven** for documentation.

Type: unspecified value

Default:

```
"See <https://github.com/bitvora/haven/blob/master/.env.example>"
```

Example:

```
{
  RELAY_URL = "relay.example.com";
  OWNER_NPUB = "npub1...";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/haven.nix>

services.hbase-standalone.enable
Whether to enable HBase master in standalone mode with embedded regionserver and zookeper. Do not use this configuration for production nor for evaluating HBase performance .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/databases/hbase-standalone.nix>

services.hbase−standalone.package

The hbase package to use.

Type: package

Default:

```
pkgs.hbase
```

Declared by:

<nixpkgs/nixos/modules/services/databases/hbase−standalone.nix>

services.hbase−standalone.dataDir

Specifies location of HBase database files. This location should be writable and readable for the user the HBase service runs as (hbase by default).

Type: absolute path

Default:

```
"/var/lib/hbase"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/hbase−standalone.nix>

services.hbase−standalone.group

Group account under which HBase runs.

Type: string

Default:

```
"hbase"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/hbase−standalone.nix>

services.hbase−standalone.logDir

Specifies the location of HBase log files.

Type: absolute path

Default:

```
"/var/log/hbase"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/hbase−standalone.nix>

services.hbase−standalone.settings

configurations in hbase−site.xml, see **https://github.com/apache/hbase/blob/master/hbase−server/src/test/resources/hbase−site.xml** for details.

Type: attribute set of (string or signed integer or boolean)

Default:

```
{
  "hbase.rootdir" = "file://${config.services.hbase−standalone.dat \
aDir}/hbase";
  "hbase.zookeeper.property.dataDir" = "${config.services.hbase−st \
andalone.dataDir}/zookeeper";
}
```

Declared by:
<nixpkgs/nixos/modules/services/databases/hbase−standalone.nix>

services.hbase−standalone.user
User account under which HBase runs.

Type: string

Default:

```
"hbase"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/hbase−standalone.nix>

services.hdapsd.enable
Whether to enable Hard Drive Active Protection System Daemon, devices are detected and managed automatically by udev and systemd .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/hdaps.nix>

services.hddfancontrol.enable
Whether to enable hddfancontrol daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/hddfancontrol.nix>

services.hddfancontrol.package
The hddfancontrol package to use.

Type: package

Default:

```
pkgs.hddfancontrol
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/hddfancontrol.nix>

services.hddfancontrol.settings
Parameter−sets for each instance of hddfancontrol.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  harddrives = {
    disks = [
      "/dev/sda"
      "/dev/sdb"
      "/dev/sdc"
    ];
    pwmPaths = [
      "/sys/class/hwmon/hwmon1/pwm1:25:10"
    ];
    logVerbosity = "DEBUG";
  };
  ssddrives = {
    disks = [
      "/dev/sdd"
      "/dev/sde"
      "/dev/sdf"
    ];
    pwmPaths = [
      "/sys/class/hwmon/hwmon1/pwm2:25:10"
    ];
    extraArgs = [
      "--interval=30s"
    ];
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/hddfancontrol.nix>

services.hddfancontrol.settings.<drive-bay-name>.disks

Drive(s) to get temperature from

Can also use command substitution to automatically grab all matching drives; such as all scsi (sas) drives

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "/dev/sda"
  "'find /dev/disk/by-id -name \"scsi*\" -and -not -name \" \
*-part*\" -printf \"%p \"'"
]
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/hddfancontrol.nix>

services.hddfancontrol.settings.<drive-bay-name>.extraArgs

Extra commandline arguments for hddfancontrol

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--min-fan-speed-prct=10"
  "--interval=1min"
]
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/hddfancontrol.nix>

services.hddfancontrol.settings.<drive-bay-name>.logVerbosity
Verbosity of the log level

Type: one of “TRACE”, “DEBUG”, “INFO”, “WARN”, “ERROR”

Default:

```
"INFO"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/hddfancontrol.nix>

services.hddfancontrol.settings.<drive-bay-name>.pwmPaths
PWM filepath(s) to control fan speed (under /sys), followed by initial and fan-stop PWM values Can also use command substitution to ensure the correct hwmonX is selected on every boot

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "/sys/class/hwmon/hwmon2/pwm1:30:10"
  "'echo /sys/devices/platform/nct6775.656/hwmon/hwmon[[:print:]]'/ \
pwm4:80:20"
]
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/hddfancontrol.nix>

services.headphones.enable
Whether to enable the headphones server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/headphones.nix>

services.headphones.configFile
Path to config file.

Type: absolute path

Default:

```
"${config.services.headphones.dataDir}/config.ini"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/headphones.nix>

services.headphones.dataDir
Path where to store data files.

Type: absolute path

Default:

```
"/var/lib/headphones"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/headphones.nix>

services.headphones.group
Group to run the service as

Type: string

Default:

```
"headphones"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/headphones.nix>

services.headphones.host
Host to listen on.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/headphones.nix>

services.headphones.port
Port to bind to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8181
```

Declared by:
<nixpkgs/nixos/modules/services/misc/headphones.nix>

services.headphones.user
User to run the service as

Type: string

Default:

```
"headphones"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/headphones.nix>

services.headplane.enable
Whether to enable Headplane.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.package
The headplane package to use.

Type: package

Default:

```
pkgs.headplane
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.agent.package
The headplane−agent package to use.

Type: package

Default:

```
pkgs.headplane-agent
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.debug
Whether to enable debug logging.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.settings
Headplane configuration options. Generates a YAML config file. See: https://github.com/tale/headplane/blob/main/config.example.yaml

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.settings.headscale
Headscale specific settings for Headplane integration.

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.settings.headscale.config_path
Path to the Headscale configuration file. This is optional, but HIGHLY recommended for the best experience. If this is read only, Headplane will show your configuration settings in the Web UI, but they cannot be changed.

Type: null or absolute path

Default:

```
config.services.headscale.configFile
```

Example:

```
"/etc/headscale/config.yaml"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.settings.headscale.config_strict
Whether to enable Headplane internally validates the Headscale configuration to ensure that it changes the configuration in a safe way. Disabled by default because it clashes with how the Headplane works in NixOS. .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.settings.headscale.dns_records_path
If you are using 'dns.extra_records_path' in your Headscale configuration, you need to set this to the path for Headplane to be able to read the DNS records. Ensure that the file is both readable and writable by the Headplane process. When using this, Headplane will no longer need to automatically restart Headscale for DNS record changes.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/lib/headplane/extra_records.json"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.settings.headscale.public_url
Public URL if different. This affects certain parts of the web UI.

Type: null or string

Default:

```
config.services.headscale.settings.server_url
```

Example:

```
"https://headscale.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.settings.headscale.tls_cert_path
Path to a file containing the TLS certificate.

Type: null or absolute path

Default:

```
null
```

Example:

```
config.sops.secrets.tls_cert.path
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.settings.headscale.url
The URL to your Headscale instance. All API requests are routed through this URL. THIS IS NOT the gRPC endpoint, but the HTTP endpoint. IMPORTANT: If you are using TLS this MUST be set to 'https://'.

Type: string

Default:

```
http://127.0.0.1:${toString config.services.headscale.port}
```

Example:

```
"https://headscale.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.settings.integration
Integration configurations for Headplane to interact with Headscale.

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.settings.integration.agent
Agent configuration for the Headplane agent.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.settings.integration.agent.enabled
The Headplane agent allows retrieving information about nodes. This allows the UI to display version, OS, and connectivity data. You will see the Headplane agent in your Tailnet as a node when it connects.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.settings.integration.agent.cache_path
Where to store the agent cache.

Type: absolute path

Default:

```
"/var/lib/headplane/agent_cache.json"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.settings.integration.agent.cache_ttl
How long to cache agent information (in milliseconds). If you want data to update faster, reduce the TTL, but this will increase the frequency of requests to Headscale.

Type: positive integer, meaning >0

Default:

```
180000
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.settings.integration.agent.executable_path
Path to the headplane agent binary.

Type: absolute path *(read only)*

Default:

```
"${config.services.headplane.agent.package}/bin/hp_agent"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.settings.integration.agent.host_name
Optionally change the name of the agent in the Tailnet

Type: string

Default:

```
"headplane-agent"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.settings.integration.agent.pre_authkey_path
Path to a file containing the agent preauth key. To connect to your Tailnet, you need to generate a pre-auth key. This can be done via the web UI or through the 'headscale' CLI.

Type: null or absolute path

Default:

```
null
```

Example:

```
config.sops.secrets.agent_pre_authkey.path
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.settings.integration.agent.work_dir
Do not change this unless you are running a custom deployment. The work_dir represents where the agent will store its data to be able to automatically reauthenticate with your Tailnet. It needs to be writable by the user running the Headplane process.

Type: absolute path

Default:

```
"/var/lib/headplane/agent"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.settings.integration.proc
Native process integration settings.

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.settings.integration.proc.enabled
Enable “Native” integration that works when Headscale and Headplane are running outside of a container. There is no additional configuration, but you need to ensure that the Headplane process can terminate the Headscale process.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.settings.oidc
OIDC Configuration for authentication.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.settings.oidc.authorization_endpoint
Custom authorization endpoint URL.

Type: null or string

Default:

```
null
```

Example:

```
"https://provider.example.com/authorize"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.settings.oidc.client_id
The client ID for the OIDC client.

Type: string

Example:

```
"your-client-id"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.settings.oidc.client_secret_path
Path to a file containing the OIDC client secret.

Type: null or absolute path

Default:

```
null
```

Example:

```
config.sops.secrets.oidc_client_secret.path
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.settings.oidc.disable_api_key_login
Whether to disable API key login.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.settings.oidc.extra_params
Extra parameters to send to the OIDC provider.

Type: null or (attribute set of string)

Default:

```
null
```

Example:

```
{
  prompt = "consent";
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.settings.oidc.headscale_api_key_path
Path to a file containing the Headscale API key. Required when ‘services.headplane.settings.oidc’ is set.

Type: null or absolute path

Default:

```
null
```

Example:

```
config.sops.secrets.headscale_api_key.path
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.settings.oidc.issuer
URL to OpenID issuer.

Type: string

Example:

```
"https://provider.example.com/issuer-url"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.settings.oidc.profile_picture_source
Source for user profile pictures.

Type: one of “oidc”, “gravatar”

Default:

```
"oidc"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.settings.oidc.redirect_uri
This should point to your publicly accessible URL for your Headplane instance with /admin/oidc/callback.

Type: null or string

Default:

```
null
```

Example:

```
"https://headscale.example.com/admin/oidc/callback"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.settings.oidc.scope
OIDC scope to request.

Type: string

Default:

```
"openid email profile"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.settings.oidc.strict_validation
Enable strict validation of OIDC configuration.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.settings.oidc.token_endpoint
Custom token endpoint URL.

Type: null or string

Default:

```
null
```

Example:

```
"https://provider.example.com/token"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.settings.oidc.token_endpoint_auth_method
The token endpoint authentication method.

Type: one of “client_secret_post”, “client_secret_basic”, “client_secret_jwt”

Default:

```
"client_secret_post"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.settings.oidc.user_storage_file
Path to a file containing the users and their permissions for Headplane.

Type: absolute path

Default:

```
"/var/lib/headplane/users.json"
```

Example:

```
"/var/lib/headplane/users.json"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.settings.oidc.userinfo_endpoint
Custom userinfo endpoint URL.

Type: null or string

Default:

```
null
```

Example:

```
"https://provider.example.com/userinfo"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.settings.server
Server configuration for Headplane web application.

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.settings.server.cookie_secret_path
Path to a file containing the cookie secret. The secret must be exactly 32 characters long.

Type: null or absolute path

Default:

```
null
```

Example:

```
config.sops.secrets.headplane_cookie.path
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.settings.server.cookie_secure
Should the cookies only work over HTTPS? Set to false if running via HTTP without a proxy. Recommended to be true in production.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.settings.server.data_path
The path to persist Headplane specific data. All data going forward is stored in this directory, including the internal database and any cache related files. Data formats prior to 0.6.1 will automatically be migrated.

Type: absolute path

Default:

```
"/var/lib/headplane"
```

Example:

```
"/var/lib/headplane"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.settings.server.host
The host address to bind to.

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headplane.settings.server.port

The port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Declared by:

<nixpkgs/nixos/modules/services/networking/headplane.nix>

services.headscale.enable

Whether to enable headscale, Open Source coordination server for Tailscale.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.package

The headscale package to use.

Type: package

Default:

```
pkgs.headscale
```

Declared by:

<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.address

Listening address of headscale.

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.configFile

Path to the configuration file of headscale.

Type: absolute path *(read only)*

Default:

```
(pkgs.formats.yaml { }).generate "headscale.yaml" config.services.h \
eadscale.settings
```

Declared by:

<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.group

Group under which headscale runs.

> **Note**
> If left as the default value this group will automatically be created on system activation, otherwise you are responsible for ensuring the user exists before the headscale service starts.

Type: string

Default:

```
"headscale"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.port

Listening port of headscale.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Example:

```
443
```

Declared by:

<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings

Overrides to *config.yaml* as a Nix attribute set. Check the **example config** for possible options.

Type: open submodule of (YAML 1.1 value)

Declared by:

<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.database.postgres.host

Database host address.

Type: null or string

Default:

```
null
```

Example:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.database.postgres.name

Database name.

Type: null or string

Default:

```
null
```

Example:

```
"headscale"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.database.postgres.password_file
A file containing the password corresponding to **database.user**.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/headscale-dbpassword"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.database.postgres.port
Database host port.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Example:

```
3306
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.database.postgres.user
Database user.

Type: null or string

Default:

```
null
```

Example:

```
"headscale"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.database.sqlite.path
Path to the sqlite3 database file.

Type: null or string

Default:

```
"/var/lib/headscale/db.sqlite"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.database.sqlite.write_ahead_log
Enable WAL mode for SQLite. This is recommended for production environments. **https://www.sqlite.org/wal.html**

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.database.type
Database engine to use. Please note that using Postgres is highly discouraged as it is only supported for legacy reasons. All new development, testing and optimisations are done with SQLite in mind.

Type: one of “sqlite”, “sqlite3”, “postgres”

Default:

```
"sqlite"
```

Example:

```
"postgres"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.derp.auto_update_enabled
Whether to automatically update DERP maps on a set frequency.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.derp.paths
List of file paths containing DERP maps. See **How Tailscale works** for more information on DERP maps.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.derp.server.private_key_path
Path to derp private key file, generated automatically if it does not exist.

Type: absolute path

Default:

```
"/var/lib/headscale/derp_server_private.key"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.derp.update_frequency

Frequency to update DERP maps.

Type: string

Default:

```
"24h"
```

Example:

```
"5m"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.derp.urls

List of urls containing DERP maps. See **How Tailscale works** for more information on DERP maps.

Type: list of string

Default:

```
[
  "https://controlplane.tailscale.com/derpmap/default"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.dns.base_domain

Defines the base domain to create the hostnames for MagicDNS. This domain must be different from the **server_url** domain. **base_domain** must be a FQDN, without the trailing dot. The FQDN of the hosts will be 'hostname.base_domain' (e.g. 'myhost.tailnet.example.com').

Type: string

Default:

```
""
```

Example:

```
"tailnet.example.com"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.dns.extra_records

Extra DNS records to expose to clients.

Type: null or (list of (submodule))

Default:

```
null
```

Example:

```
[ {
  name = "grafana.tailnet.example.com";
  type = "A";
  example = "100.64.0.3";
} ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.dns.extra_records.*.name
DNS record name.

Type: string

Example:

```
"grafana.tailnet.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.dns.extra_records.*.type
DNS record type.

Type: one of “A”, “AAAA”

Example:

```
"A"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.dns.extra_records.*.value
DNS record value (IP address).

Type: string

Example:

```
"100.64.0.3"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.dns.magic_dns
Whether to use **MagicDNS**.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.dns.nameservers.global
List of nameservers to pass to Tailscale clients.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.dns.override_local_dns

Whether to **override clients' DNS servers**.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.dns.search_domains

Search domains to inject to Tailscale clients.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "mydomain.internal"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.dns.split

Split DNS configuration (map of domains and which DNS server to use for each). See **https://tailscale.com/kb/1054/dns/**.

Type: attribute set of list of string

Default:

```
{ }
```

Example:

```
{
  "foo.bar.com" = [
    "1.1.1.1"
  ];
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.ephemeral_node_inactivity_timeout

Time before an inactive ephemeral node is deleted.

Type: string

Default:

```
"30m"
```

Example:

```
"5m"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.log.format
headscale log format.

Type: string

Default:

```
"text"
```

Example:

```
"json"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.log.level
headscale log level.

Type: string

Default:

```
"info"
```

Example:

```
"debug"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.noise.private_key_path
Path to noise private key file, generated automatically if it does not exist.

Type: absolute path

Default:

```
"/var/lib/headscale/noise_private.key"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.oidc.allowed_domains
Allowed principal domains. if an authenticated user's domain is not in this list authentication request will be rejected.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "example.com"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.oidc.allowed_users

Users allowed to authenticate even if not in allowedDomains.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "alice@example.com"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.oidc.client_id

OpenID Connect client ID.

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.oidc.client_secret_path

Path to OpenID Connect client secret file. Expands environment variables in format ${VAR}.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.oidc.extra_params

Custom query parameters to send with the Authorize Endpoint request.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  domain_hint = "example.com";
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.oidc.issuer

URL to OpenID issuer.

Type: string

Default:

```
""
```

Example:

```
"https://openid.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.oidc.pkce.enabled
Enable or disable PKCE (Proof Key for Code Exchange) support. PKCE adds an additional layer of security to the OAuth 2.0 authorization code flow by preventing authorization code interception attacks See https://datatracker.ietf.org/doc/html/rfc7636

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.oidc.pkce.method
PKCE method to use:

- plain: Use plain code verifier
- S256: Use SHA256 hashed code verifier (default, recommended)

Type: string

Default:

```
"S256"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.oidc.scope
Scopes used in the OIDC flow.

Type: list of string

Default:

```
[
  "openid"
  "profile"
  "email"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.policy.mode
The mode can be “file” or “database” that defines where the ACL policies are stored and read from.

Type: one of “file”, “database”

Default:

```
"file"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.policy.path

If the mode is set to “file”, the path to a HuJSON file containing ACL policies.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.prefixes.allocation

Strategy used for allocation of IPs to nodes, available options:

- sequential (default): assigns the next free IP from the previous given IP.
- random: assigns the next free IP from a pseudo−random IP generator (crypto/rand).

Type: one of “sequential”, “random”

Default:

```
"sequential"
```

Example:

```
"random"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.prefixes.v4

Each prefix consists of either an IPv4 or IPv6 address, and the associated prefix length, delimited by a slash. It must be within IP ranges supported by the Tailscale client − i.e., subnets of 100.64.0.0/10 and fd7a:115c:a1e0::/48.

Type: string

Default:

```
"100.64.0.0/10"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.prefixes.v6

Each prefix consists of either an IPv4 or IPv6 address, and the associated prefix length, delimited by a slash. It must be within IP ranges supported by the Tailscale client − i.e., subnets of 100.64.0.0/10 and fd7a:115c:a1e0::/48.

Type: string

Default:

```
"fd7a:115c:a1e0::/48"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.server_url

The url clients will connect to.

Type: string

Default:

```
"http://127.0.0.1:8080"
```

Example:

```
"https://myheadscale.example.com:443"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.tls_cert_path
Path to already created certificate.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.tls_key_path
Path to key for already created certificate.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.tls_letsencrypt_challenge_type
Type of ACME challenge to use, currently supported types: ‘HTTP−01’ or ‘TLS−ALPN−01’.

Type: one of “TLS−ALPN−01”, “HTTP−01”

Default:

```
"HTTP-01"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.tls_letsencrypt_hostname
Domain name to request a TLS certificate for.

Type: null or string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.settings.tls_letsencrypt_listen
When HTTP−01 challenge is chosen, letsencrypt must set up a verification endpoint, and it will be listening on: ‘:http = port 80’.

Type: null or string

Default:

```
":http"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.headscale.user

User account under which headscale runs.

> **Note**
> If left as the default value this user will automatically be created on system activation, otherwise you are responsible for ensuring the user exists before the headscale service starts.

Type: string

Default:

```
"headscale"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/headscale.nix>

services.healthchecks.enable

Enable healthchecks. It is expected to be run behind a HTTP reverse proxy.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/healthchecks.nix>

services.healthchecks.package

The healthchecks package to use.

Type: package

Default:

```
pkgs.healthchecks
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/healthchecks.nix>

services.healthchecks.dataDir

The directory used to store all data for healthchecks.

> **Note**
> If left as the default value this directory will automatically be created before the healthchecks server starts, otherwise you are responsible for ensuring the directory exists with appropriate ownership and permissions.

Type: string

Default:

```
"/var/lib/healthchecks"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/healthchecks.nix>

services.healthchecks.group

Group account under which healthchecks runs.

> **Note**
> If left as the default value this group will automatically be created on system activation, otherwise you are responsible for ensuring the group exists before the healthchecks service starts.

Type: string

Default:

```
"healthchecks"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/healthchecks.nix>

services.healthchecks.listenAddress
Address the server will listen on.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/healthchecks.nix>

services.healthchecks.port
Port the server will listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/healthchecks.nix>

services.healthchecks.settings
Environment variables which are read by healthchecks ‘(local)_settings.py’.

Settings which are explicitly covered in options below, are type−checked and/or transformed before added to the environment, everything else is passed as a string.

See **https://healthchecks.io/docs/self_hosted_configuration/** for a full documentation of settings.

We add additional variables to this list inside the packages ‘local_settings.py.’

- ‘STATIC_ROOT’ to set a state directory for dynamically generated static files.
- ‘SECRET_KEY_FILE’ to read ‘SECRET_KEY’ from a file at runtime and keep it out of /nix/store.
- ‘_FILE’ variants for several values that hold sensitive information in **Healthchecks configuration** so that they also can be read from a file and kept out of /nix/store. To see which values have support for a ‘_FILE’ variant, run:
  - ‘nix−instantiate −−eval −−expr '(import <nixpkgs> {}).healthchecks.secrets'’
  - or ‘nix eval 'nixpkgs#healthchecks.secrets'’ if the flake support has been enabled.

If the same variable is set in both ‘settings’ and ‘settingsFile’ the value from ‘settingsFile’ has priority.

Type: open submodule of attribute set of string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/healthchecks.nix>

services.healthchecks.settings.ALLOWED_HOSTS
The host/domain names that this site can serve.

Type: list of string

Default:

```
[
  "*"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/healthchecks.nix>

services.healthchecks.settings.DB
Database engine to use.

Type: one of “sqlite”, “postgres”, “mysql”

Default:

```
"sqlite"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/healthchecks.nix>

services.healthchecks.settings.DB_NAME
Database name.

Type: string

Default:

```
if config.services.healthchecks.settings.DB == "sqlite"
then "${config.services.healthchecks.dataDir}/healthchecks.sqlite"
else "hc"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/healthchecks.nix>

services.healthchecks.settings.DEBUG
Enable debug mode.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/healthchecks.nix>

services.healthchecks.settings.REGISTRATION_OPEN
A boolean that controls whether site visitors can create new accounts. Set it to false if you are setting up a private Healthchecks instance, but it needs to be publicly accessible (so, for example, your cloud services can send pings to it). If you close new user registration, you can still selectively invite users to your team account.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/healthchecks.nix>

services.healthchecks.settings.SECRET_KEY_FILE
Path to a file containing the secret key.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/healthchecks.nix>

services.healthchecks.settingsFile
Environment variables which are read by healthchecks '(local)_settings.py'.

Settings which are explicitly covered in options below, are type−checked and/or transformed before added to the environment, everything else is passed as a string.

See **https://healthchecks.io/docs/self_hosted_configuration/** for a full documentation of settings.

We add additional variables to this list inside the packages 'local_settings.py.'

- 'STATIC_ROOT' to set a state directory for dynamically generated static files.
- 'SECRET_KEY_FILE' to read 'SECRET_KEY' from a file at runtime and keep it out of /nix/store.
- '_FILE' variants for several values that hold sensitive information in **Healthchecks configuration** so that they also can be read from a file and kept out of /nix/store. To see which values have support for a '_FILE' variant, run:
  - 'nix−instantiate −−eval −−expr '(import <nixpkgs> {}).healthchecks.secrets''
  - or 'nix eval 'nixpkgs#healthchecks.secrets'' if the flake support has been enabled.

If the same variable is set in both 'settings' and 'settingsFile' the value from 'settingsFile' has priority.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/healthchecks.nix>

services.healthchecks.user
User account under which healthchecks runs.

Note
If left as the default value this user will automatically be created on system activation, otherwise you are responsible for ensuring the user exists before the healthchecks service starts.

Type: string

Default:

```
"healthchecks"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/healthchecks.nix>

services.heapster.enable
Whether to enable Heapster monitoring.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/heapster.nix>

services.heapster.package
The heapster package to use.

Type: package

Default:

```
pkgs.heapster
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/heapster.nix>

services.heapster.extraOpts
Heapster extra options

Type: strings concatenated with " "

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/heapster.nix>

services.heapster.sink
Heapster metic sink

Type: string

Example:

```
"influxdb:http://localhost:8086"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/heapster.nix>

services.heapster.source
Heapster metric source

Type: string

Example:

```
"kubernetes:https://kubernetes.default"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/heapster.nix>

services.heartbeat.enable
Whether to enable heartbeat, uptime monitoring.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/logging/heartbeat.nix>

services.heartbeat.package

The heartbeat package to use.

Type: package

Default:

```
pkgs.heartbeat
```

Example:

```
heartbeat7
```

Declared by:

<nixpkgs/nixos/modules/services/logging/heartbeat.nix>

services.heartbeat.extraConfig

Any other configuration options you want to add

Type: strings concatenated with “\n”

Default:

```
heartbeat.monitors:
- type: http
  urls: ["http://localhost:9200"]
  schedule: '@every 10s'
```

Declared by:

<nixpkgs/nixos/modules/services/logging/heartbeat.nix>

services.heartbeat.name

Name of the beat

Type: string

Default:

```
"heartbeat"
```

Declared by:

<nixpkgs/nixos/modules/services/logging/heartbeat.nix>

services.heartbeat.stateDir

The state directory. heartbeat’s own logs and other data are stored here.

Type: string

Default:

```
"/var/lib/heartbeat"
```

Declared by:

<nixpkgs/nixos/modules/services/logging/heartbeat.nix>

services.heartbeat.tags

Tags to place on the shipped log messages

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/logging/heartbeat.nix>

services.hebbot.enable
Whether to enable hebbot.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/hebbot.nix>

services.hebbot.package
The hebbot package to use.

Type: package

Default:

```
pkgs.hebbot
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/hebbot.nix>

services.hebbot.botPasswordFile
A path to the password file for your bot.

Consider using a path that does not end up in your Nix store as it would be world readable.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/matrix/hebbot.nix>

services.hebbot.settings
Configuration for Hebbot, see, for examples:

- **https://github.com/matrix-org/twim-config/blob/master/config.toml**
- **https://gitlab.gnome.org/Teams/Websites/thisweek.gnome.org/-/blob/main/hebbot/config.toml**

Type: TOML value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/hebbot.nix>

services.hebbot.templates.project
A path to the Markdown file for the project template.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/matrix/hebbot.nix>

services.hebbot.templates.report
A path to the Markdown file for the report template.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/matrix/hebbot.nix>

services.hebbot.templates.section
A path to the Markdown file for the section template.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/matrix/hebbot.nix>

services.hedgedoc.enable
Whether to enable the HedgeDoc Markdown Editor.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/hedgedoc.nix>

services.hedgedoc.package
The hedgedoc package to use.

Type: package

Default:

```
pkgs.hedgedoc
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/hedgedoc.nix>

services.hedgedoc.configureNginx
Whether to configure nginx as a reverse proxy.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/hedgedoc.nix>

services.hedgedoc.environmentFile
Environment file as defined in **systemd.exec**(5).

Secrets may be passed to the service without adding them to the world−readable Nix store, by specifying placeholder variables as the option value in Nix and setting these variables accordingly in the environment file.

Snippet of HedgeDoc config containing a secret:

```
services.hedgedoc.settings.dbURL = "postgres://hedgedoc:\${DB_PASS \
WORD}@db−host:5432/hedgedocdb";
```

and the content of this environment file:

```
  DB_PASSWORD=verysecretdbpassword
'''
```

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/lib/hedgedoc/hedgedoc.env"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/hedgedoc.nix>

services.hedgedoc.settings
HedgeDoc configuration, see **https://docs.hedgedoc.org/configuration/** for documentation.

Type: open submodule of (JSON value)

Declared by:
<nixpkgs/nixos/modules/services/web-apps/hedgedoc.nix>

services.hedgedoc.settings.allowGravatar
Whether to enable **Libravatar** as profile picture source on your instance.

Despite the naming of the setting, Hedgedoc replaced Gravatar with Libravatar in **CodiMD 1.4.0**

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/hedgedoc.nix>

services.hedgedoc.settings.allowOrigin
List of domains to whitelist.

Type: list of string

Default:

```
with config.services.hedgedoc.settings; [ host ] ++ lib.optionals ( \
domain != null) [ domain ]
```

Example:

```
[
  "localhost"
  "hedgedoc.org"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/hedgedoc.nix>

services.hedgedoc.settings.db
Specify the configuration for sequelize. HedgeDoc supports ‘mysql’, ‘postgres’, ‘sqlite’ and ‘mssql’. See **https://sequelize.readthedocs.io/en/v3/** for more information.

Note
The relevant parts will be overriden if you set **dbURL**.

Type: attribute set

Default:

```
{
```

```
  dialect = "sqlite";
  storage = "/var/lib/hedgedoc/db.sqlite";
}
```

Example:

```
db = {
  username = "hedgedoc";
  database = "hedgedoc";
  host = "localhost:5432";
  # or via socket
  # host = "/run/postgresql";
  dialect = "postgresql";
};
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/hedgedoc.nix>

services.hedgedoc.settings.domain
Domain to use for website.

This is useful if you are trying to run hedgedoc behind a reverse proxy.

Type: null or string

Default:

```
null
```

Example:

```
"hedgedoc.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/hedgedoc.nix>

services.hedgedoc.settings.host
Address to listen on.

Type: null or string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/hedgedoc.nix>

services.hedgedoc.settings.path
Path to UNIX domain socket to listen on

Note
If specified, **host** and **port** will be ignored.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/hedgedoc/hedgedoc.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/hedgedoc.nix>

services.hedgedoc.settings.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Example:

```
80
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/hedgedoc.nix>

services.hedgedoc.settings.protocolUseSSL
Use ‘https://’ for all links.

This is useful if you are trying to run hedgedoc behind a reverse proxy.

Note
Only applied if **domain** is set.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/hedgedoc.nix>

services.hedgedoc.settings.uploadsPath
Directory for storing uploaded images.

Type: absolute path

Default:

```
"/var/lib/hedgedoc/uploads"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/hedgedoc.nix>

services.hedgedoc.settings.urlPath
URL path for the website.

This is useful if you are hosting hedgedoc on a path like ‘www.example.com/hedgedoc’

Type: null or string

Default:

```
null
```

Example:

```
"hedgedoc"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/hedgedoc.nix>

services.hedgedoc.settings.useSSL
Enable to use SSL server.

Note
This will also enable **protocolUseSSL**.

It will also require you to set the following:

- **sslKeyPath**
- **sslCertPath**
- **sslCAPath**
- **dhParamPath**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/hedgedoc.nix>

services.heisenbridge.enable
Whether to enable the Matrix to IRC bridge.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/heisenbridge.nix>

services.heisenbridge.package
The heisenbridge package to use.

Type: package

Default:

```
pkgs.heisenbridge
```

Declared by:
<nixpkgs/nixos/modules/services/misc/heisenbridge.nix>

services.heisenbridge.address
Address to listen on. IPv6 does not seem to be supported.

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/heisenbridge.nix>

services.heisenbridge.debug
More verbose logging. Recommended during initial setup.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/heisenbridge.nix>

services.heisenbridge.extraArgs
Heisenbridge is configured over the command line. Append extra arguments here

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/heisenbridge.nix>

services.heisenbridge.homeserver
The URL to the home server for client−server API calls

Type: string

Example:

```
"http://localhost:8008"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/heisenbridge.nix>

services.heisenbridge.identd.enable
Whether to enable identd service support.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/heisenbridge.nix>

services.heisenbridge.identd.port
identd listen port

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
113
```

Declared by:
<nixpkgs/nixos/modules/services/misc/heisenbridge.nix>

services.heisenbridge.namespaces

Configure the ‘namespaces’ section of the registration.yml for the bridge and the server

Type: open submodule of (JSON value)

Default:

```
{
  aliases = [ ];
  rooms = [ ];
  users = [
    {
      exclusive = true;
      regex = "@irc_.*";
    }
  ];
}
```

Declared by:

<nixpkgs/nixos/modules/services/misc/heisenbridge.nix>

services.heisenbridge.owner

Set owner MXID otherwise first talking local user will claim the bridge

Type: null or string

Default:

```
null
```

Example:

```
"@admin:example.org"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/heisenbridge.nix>

services.heisenbridge.port

The port to listen on

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9898
```

Declared by:

<nixpkgs/nixos/modules/services/misc/heisenbridge.nix>

services.heisenbridge.registrationUrl

The URL where the application service is listening for HS requests, from the Matrix HS perspective.# The default value assumes the bridge runs on the same host as the home server, in the same network.

Type: string

Default:

```
"http://$\${cfg.address}:$\${toString cfg.port}"
```

Example:

```
"https://matrix.example.org"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/heisenbridge.nix>

services.hercules−ci−agent.enable

Enable to run Hercules CI Agent as a system service.

Hercules CI is a continuous integation service that is centered around Nix.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/continuous−integration/hercules−ci−agent/common.nix>

services.hercules−ci−agent.package

The hercules−ci−agent package to use.

Type: package

Default:

```
pkgs.hercules−ci−agent
```

Declared by:

<nixpkgs/nixos/modules/services/continuous−integration/hercules−ci−agent/common.nix>

services.hercules−ci−agent.settings

These settings are written to the *agent.toml* file.

Not all settings are listed as options, can be set nonetheless.

For the exhaustive list of settings, see **https://docs.hercules−ci.com/hercules−ci/reference/agent−config/**.

Type: open submodule of (TOML value)

Declared by:

<nixpkgs/nixos/modules/services/continuous−integration/hercules−ci−agent/common.nix>

services.hercules−ci−agent.settings.apiBaseUrl

API base URL that the agent will connect to.

When using Hercules CI Enterprise, set this to the URL where your Hercules CI server is reachable.

Type: string

Default:

```
"https://hercules−ci.com"
```

Declared by:

<nixpkgs/nixos/modules/services/continuous−integration/hercules−ci−agent/common.nix>

services.hercules−ci−agent.settings.baseDirectory

State directory (secrets, work directory, etc) for agent

Type: absolute path

Default:

```
"/var/lib/hercules−ci−agent"
```

Declared by:

<nixpkgs/nixos/modules/services/continuous−integration/hercules−ci−agent/common.nix>

services.hercules−ci−agent.settings.binaryCachesPath
Path to a JSON file containing binary cache secret keys.

As these values are confidential, they should not be in the store, but copied over using other means, such as agenix, NixOps ‘deployment.keys’, or manual installation.

The format is described on **https://docs.hercules−ci.com/hercules−ci−agent/binary−caches−json/**.

Type: absolute path

Default:

```
staticSecretsDirectory + "/binary−caches.json"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/hercules−ci−agent/common.nix>

services.hercules−ci−agent.settings.clusterJoinTokenPath
Location of the cluster−join−token.key file.

You can retrieve the contents of the file when creating a new agent via **https://hercules−ci.com/dashboard**.

As this value is confidential, it should not be in the store, but installed using other means, such as agenix, NixOps ‘deployment.keys’, or manual installation.

The contents of the file are used for authentication between the agent and the API.

Type: absolute path

Default:

```
staticSecretsDirectory + "/cluster−join−token.key"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/hercules−ci−agent/common.nix>

services.hercules−ci−agent.settings.concurrentTasks
Number of tasks to perform simultaneously.

A task is a single derivation build, an evaluation or an effect run. At minimum, you need 2 concurrent tasks for ‘x86_64−linux’ in your cluster, to allow for import from derivation.

‘concurrentTasks’ can be around the CPU core count or lower if memory is the bottleneck.

The optimal value depends on the resource consumption characteristics of your workload, including memory usage and in−task parallelism. This is typically determined empirically.

When scaling, it is generally better to have a double−size machine than two machines, because each split of resources causes inefficiencies; particularly with regards to build latency because of extra downloads.

Type: positive integer, meaning >0, or value “auto” (singular enum)

Default: "auto", meaning equal to the number of CPU cores.

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/hercules−ci−agent/common.nix>

services.hercules−ci−agent.settings.labels
A key−value map of user data.

This data will be available to organization members in the dashboard and API.

The values can be of any TOML type that corresponds to a JSON type, but arrays can not contain tables/objects due to limitations of the TOML library. Values involving arrays of non−primitive types may not be representable currently.

Type: TOML value

Default:

```
{
  agent.source = "..."; # One of "nixpkgs", "flake", "override"
  lib.version = "...";
  pkgs.version = "...";
}
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/hercules-ci-agent/common.nix>

services.hercules-ci-agent.settings.secretsJsonPath
Path to a JSON file containing secrets for effects.

As these values are confidential, they should not be in the store, but copied over using other means, such as agenix, NixOps 'deployment.keys', or manual installation.

The format is described on **https://docs.hercules-ci.com/hercules-ci-agent/secrets-json/**.

Type: absolute path

Default:

```
staticSecretsDirectory + "/secrets.json"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/hercules-ci-agent/common.nix>

services.hercules-ci-agent.settings.staticSecretsDirectory
This is the default directory to look for statically configured secrets like 'cluster-join-token.key'.

See also 'clusterJoinTokenPath' and 'binaryCachesPath' for fine-grained configuration.

Type: absolute path

Default:

```
baseDirectory + "/secrets"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/hercules-ci-agent/common.nix>

services.hercules-ci-agent.settings.workDirectory
The directory in which temporary subdirectories are created for task state. This includes sources for Nix evaluation.

Type: absolute path

Default:

```
baseDirectory + "/work"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/hercules-ci-agent/common.nix>

services.hickory-dns.enable
Whether to enable hickory-dns.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hickory−dns.nix>

services.hickory−dns.package
The hickory−dns package to use. ::: {.note} The package must provide ‘meta.mainProgram’ which names the server binary; any other utilities (client, resolver) are not needed. :::

Type: package

Default:

```
pkgs.hickory−dns
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hickory−dns.nix>

services.hickory−dns.configFile
Path to an existing toml file to configure hickory−dns with.

This can usually be left unspecified, in which case it will be generated from the values in ‘settings’. If manually specified, then the options in ‘settings’ are ignored.

Type: absolute path

Default:

```
let toml = pkgs.formats.toml { }; in toml.generate "hickory−dns.to \
ml" cfg.settings
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hickory−dns.nix>

services.hickory−dns.debug
Log DEBUG, INFO, WARN and ERROR messages. This option is mutually exclusive with the ‘debug’ option. If neither ‘quiet’ nor ‘debug’ are enabled, logging defaults to the INFO level.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hickory−dns.nix>

services.hickory−dns.quiet
Log ERROR level messages only. This option is mutually exclusive with the ‘debug’ option. If neither ‘quiet’ nor ‘debug’ are enabled, logging defaults to the INFO level.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hickory−dns.nix>

services.hickory−dns.settings
Settings for hickory−dns. The options enumerated here are not exhaustive. Refer to upstream documentation for all available options:

- **Example settings**

Type: open submodule of (TOML value)

Declared by:
<nixpkgs/nixos/modules/services/networking/hickory−dns.nix>

services.hickory−dns.settings.directory
The directory in which hickory−dns should look for .zone files, whenever zones aren't specified by absolute path.

Type: string

Default:

```
"/var/lib/hickory−dns"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hickory−dns.nix>

services.hickory−dns.settings.listen_addrs_ipv4
List of ipv4 addresses on which to listen for DNS queries.

Type: list of string

Default:

```
[
  "0.0.0.0"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hickory−dns.nix>

services.hickory−dns.settings.listen_addrs_ipv6
List of ipv6 addresses on which to listen for DNS queries.

Type: list of string

Default:

```
lib.optional config.networking.enableIPv6 "::0"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hickory−dns.nix>

services.hickory−dns.settings.listen_port
Port to listen on (applies to all listen addresses).

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
53
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hickory−dns.nix>

services.hickory−dns.settings.zones
List of zones to serve.

Type: list of ((open submodule of (TOML value)) or string convertible to it)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hickory−dns.nix>

services.hickory−dns.settings.zones.*.file

Path to the .zone file. If not fully−qualified, this path will be interpreted relative to the 'directory' option. If omitted, defaults to the value of the 'zone' option suffixed with ".zone" when 'zone_type' isn't External; otherwise, defaults to 'null'.

Type: null or absolute path or string

Default:

```
if config.zone_type != "External" then "${config.zone}.zone" else n \
ull
```

Declared by:

<nixpkgs/nixos/modules/services/networking/hickory−dns.nix>

services.hickory−dns.settings.zones.*.zone

Zone name, like "example.com", "localhost", or "0.0.127.in−addr.arpa".

Type: string

Declared by:

<nixpkgs/nixos/modules/services/networking/hickory−dns.nix>

services.hickory−dns.settings.zones.*.zone_type

One of:

- "Primary" (the master, authority for the zone).
- "Secondary" (the slave, replicated from the primary).
- "External" (a cached zone that queries other nameservers).

For more details about these zone types, consult the documentation for BIND, though note that hickory−dns supports only a subset of BIND's zone types: **https://bind9.readthedocs.io/en/v9_18_4/reference.html#type**

Type: one of "Primary", "Secondary", "External"

Default:

```
"Primary"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/hickory−dns.nix>

services.hitch.enable

Whether to enable Hitch Server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/hitch/default.nix>

services.hitch.backend

The host and port Hitch connects to when receiving a connection in the form [HOST]:PORT

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−servers/hitch/default.nix>

services.hitch.ciphers
The list of ciphers to use

Type: string

Default:

```
"EECDH+AESGCM:EDH+AESGCM:AES256+EECDH:AES256+EDH"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/hitch/default.nix>

services.hitch.extraConfig
Additional configuration lines

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/hitch/default.nix>

services.hitch.frontend
The port and interface of the listen endpoint in the form [HOST]:PORT[+CERT].

Type: string or list of string

Default:

```
"[127.0.0.1]:443"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/hitch/default.nix>

services.hitch.group
The group to run as

Type: string

Default:

```
"hitch"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/hitch/default.nix>

services.hitch.ocsp−stapling.enabled
Whether to enable OCSP Stapling

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/hitch/default.nix>

services.hitch.pem−files
PEM files to use

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/hitch/default.nix>

services.hitch.user
The user to run as

Type: string

Default:

```
"hitch"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/hitch/default.nix>

services.hledger−web.enable
Whether to enable hledger−web service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/hledger−web.nix>

services.hledger−web.allow
User’s access level for changing data.

- view: view only permission.
- add: view and add permissions.
- edit: view, add, and edit permissions.
- sandstorm: permissions from the ‘X−Sandstorm−Permissions’ request header.

Type: one of “view”, “add”, “edit”, “sandstorm”

Default:

```
"view"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/hledger−web.nix>

services.hledger−web.baseUrl
Base URL, when sharing over a network.

Type: null or string

Default:

```
null
```

Example:

```
"https://example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/hledger−web.nix>

services.hledger−web.extraOptions

Extra command line arguments to pass to hledger−web.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "−−forecast"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/hledger−web.nix>

services.hledger−web.host

Address to listen on.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/hledger−web.nix>

services.hledger−web.journalFiles

Paths to journal files relative to **services.hledger−web.stateDir**.

Type: list of string

Default:

```
[
  ".hledger.journal"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/hledger−web.nix>

services.hledger−web.port

Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5000
```

Example:

```
80
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/hledger−web.nix>

services.hledger−web.serveApi

Whether to enable serving only the JSON web API, without the web UI.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/hledger−web.nix>

services.hledger−web.stateDir
Path the service has access to. If left as the default value this directory will automatically be created before the hledger−web server starts, otherwise the sysadmin is responsible for ensuring the directory exists with appropriate ownership and permissions.

Type: absolute path

Default:

```
"/var/lib/hledger−web"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/hledger−web.nix>

services.hockeypuck.enable
Whether to enable Hockeypuck OpenPGP Key Server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/hockeypuck.nix>

services.hockeypuck.port
HKP port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
11371
```

Declared by:
<nixpkgs/nixos/modules/services/security/hockeypuck.nix>

services.hockeypuck.settings
Configuration file for hockeypuck, here you can override certain settings (‘loglevel’ and ‘openpgp.db.dsn’) by just setting those values.

For other settings you need to use lib.mkForce to override them.

This service doesn’t provision or enable postgres on your system, it rather assumes that you enable postgres and create the database yourself.

Example:

```
services.postgresql = {
  enable = true;
  ensureDatabases = [ "hockeypuck" ];
  ensureUsers = [{
    name = "hockeypuck";
    ensureDBOwnership = true;
  }];
};
```

Type: TOML value

Default:

```
{ }
```

Example:

```
{
  hockeypuck = {
    loglevel = "INFO";
    logfile = "/var/log/hockeypuck/hockeypuck.log";
    indexTemplate = "${pkgs.hockeypuck-web}/share/templates/index. \
html.tmpl";
    vindexTemplate = "${pkgs.hockeypuck-web}/share/templates/index \
.html.tmpl";
    statsTemplate = "${pkgs.hockeypuck-web}/share/templates/stats. \
html.tmpl";
    webroot = "${pkgs.hockeypuck-web}/share/webroot";
    hkp.bind = ":${toString cfg.port}";
    openpgp.db = {
      driver = "postgres-jsonb";
      dsn = "database=hockeypuck host=/var/run/postgresql sslmode=d \
isable";
    };
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/security/hockeypuck.nix>

services.hologram-agent.enable
Whether to enable the Hologram agent for AWS instance credentials

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/hologram-agent.nix>

services.hologram-agent.dialAddress
Hologram server and port.

Type: string

Default:

```
"localhost:3100"
```

Declared by:
<nixpkgs/nixos/modules/services/security/hologram-agent.nix>

services.hologram-agent.httpPort
Port for metadata service to listen on.

Type: string

Default:

```
"80"
```

Declared by:
<nixpkgs/nixos/modules/services/security/hologram−agent.nix>

services.hologram−server.enable
Whether to enable the Hologram server for AWS instance credentials

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/hologram−server.nix>

services.hologram−server.enableLdapRoles
Whether to assign user roles based on the user's LDAP group memberships

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/hologram−server.nix>

services.hologram−server.awsAccount
AWS account number

Type: string

Declared by:
<nixpkgs/nixos/modules/services/security/hologram−server.nix>

services.hologram−server.awsDefaultRole
AWS default role

Type: string

Declared by:
<nixpkgs/nixos/modules/services/security/hologram−server.nix>

services.hologram−server.cacheTimeoutSeconds
How often (in seconds) to refresh the LDAP cache

Type: signed integer

Default:

```
3600
```

Declared by:
<nixpkgs/nixos/modules/services/security/hologram−server.nix>

services.hologram−server.groupClassAttr
The objectclass attribute to search for groups when enableLdapRoles is true

Type: string

Default:

```
"groupOfNames"
```

Declared by:
<nixpkgs/nixos/modules/services/security/hologram−server.nix>

services.hologram−server.ldapBaseDN
The base DN for your Hologram users

Type: string

Declared by:
<nixpkgs/nixos/modules/services/security/hologram−server.nix>

services.hologram−server.ldapBindDN
DN of account to use to query the LDAP server

Type: string

Declared by:
<nixpkgs/nixos/modules/services/security/hologram−server.nix>

services.hologram−server.ldapBindPassword
Password of account to use to query the LDAP server

Type: string

Declared by:
<nixpkgs/nixos/modules/services/security/hologram−server.nix>

services.hologram−server.ldapHost
Address of the LDAP server to use

Type: string

Declared by:
<nixpkgs/nixos/modules/services/security/hologram−server.nix>

services.hologram−server.ldapInsecure
Whether to connect to LDAP over SSL or not

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/hologram−server.nix>

services.hologram−server.ldapUserAttr
The LDAP attribute for usernames

Type: string

Default:

```
"cn"
```

Declared by:
<nixpkgs/nixos/modules/services/security/hologram−server.nix>

services.hologram−server.listenAddress
Address and port to listen on

Type: string

Default:

```
"0.0.0.0:3100"
```

Declared by:
<nixpkgs/nixos/modules/services/security/hologram−server.nix>

services.hologram−server.roleAttr

Which LDAP group attribute to search for authorized role ARNs

Type: string

Default:

```
"businessCategory"
```

Declared by:

<nixpkgs/nixos/modules/services/security/hologram−server.nix>

services.hologram−server.statsAddress

Address of statsd server

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/security/hologram−server.nix>

services.home−assistant.enable

Whether to enable Home Assistant. Please note that this installation method is unsupported upstream.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/home−automation/home−assistant.nix>

services.home−assistant.package

The Home Assistant package to use.

Type: package

Default:

```
pkgs.home−assistant.overrideAttrs (oldAttrs: {
  doInstallCheck = false;
})
```

Example:

```
pkgs.home−assistant.override {
  extraPackages = python3Packages: with python3Packages; [
    psycopg2
  ];
  extraComponents = [
    "default_config"
    "esphome"
    "met"
  ];
}
```

Declared by:
<nixpkgs/nixos/modules/services/home-automation/home-assistant.nix>

services.home-assistant.blueprints.automation
List of automation **blueprints** to install into *${config.services.home-assistant.configDir}/blueprints/automation*.

Type: list of (path in the Nix store or absolute path convertible to it)

Default:

```
[ ]
```

Example:

```
[
  (pkgs.fetchurl {
    url = "https://github.com/home-assistant/core/raw/2025.1.4/hom \
eassistant/components/automation/blueprints/motion_light.yaml";
    hash = "sha256-4HrDX65ycBMfEY2nZ7A25/d3ZnIHdpHZ+80Cblp+P5w=";
  })
]
```

Declared by:
<nixpkgs/nixos/modules/services/home-automation/home-assistant.nix>

services.home-assistant.blueprints.script
List of script **blueprints** to install into *${config.services.home-assistant.configDir}/blueprints/script*.

Type: list of (path in the Nix store or absolute path convertible to it)

Default:

```
[ ]
```

Example:

```
[ ./blueprint.yaml ]
```

Declared by:
<nixpkgs/nixos/modules/services/home-automation/home-assistant.nix>

services.home-assistant.blueprints.template
List of template **blueprints** to install into *${config.services.home-assistant.configDir}/blueprints/template*.

Type: list of (path in the Nix store or absolute path convertible to it)

Default:

```
[ ]
```

Example:

```
[ "${pkgs.home-assistant.src}/homeassistant/components/template/bl \
ueprints/inverted_binary_sensor.yaml" ]
```

Declared by:
<nixpkgs/nixos/modules/services/home-automation/home-assistant.nix>

services.home-assistant.config
Your *configuration.yaml* as a Nix attribute set.

YAML functions like **secrets** can be passed as a string and will be unquoted automatically.

Unless this option is explicitly set to ‘null’ we assume your *configuration.yaml* is managed through this module and thereby overwritten on startup.

Type: null or (open submodule of (YAML 1.1 value))

Example:

```
{
  homeassistant = {
    name = "Home";
    latitude = "!secret latitude";
    longitude = "!secret longitude";
    elevation = "!secret elevation";
    unit_system = "metric";
    time_zone = "UTC";
  };
  frontend = {
    themes = "!include_dir_merge_named themes";
  };
  http = {};
  feedreader.urls = [ "https://nixos.org/blogs.xml" ];
}
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/home−assistant.nix>

services.home−assistant.config.homeassistant.latitude
Latitude of your location required to calculate the time the sun rises and sets.

Type: null or floating point number or string

Default:

```
null
```

Example:

```
52.3
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/home−assistant.nix>

services.home−assistant.config.homeassistant.longitude
Longitude of your location required to calculate the time the sun rises and sets.

Type: null or floating point number or string

Default:

```
null
```

Example:

```
4.9
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/home−assistant.nix>

services.home−assistant.config.homeassistant.name
Name of the location where Home Assistant is running.

Type: null or string

Default:

```
null
```

Example:

```
"Home"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/home−assistant.nix>

services.home−assistant.config.homeassistant.temperature_unit
Override temperature unit set by unit_system. ‘C’ for Celsius, ‘F’ for Fahrenheit.

Type: null or one of “C”, “F”

Default:

```
null
```

Example:

```
"C"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/home−assistant.nix>

services.home−assistant.config.homeassistant.time_zone
Pick your time zone from the column TZ of Wikipedia’s **list of tz database time zones**.

Type: null or string

Default:

```
config.time.timeZone or null
```

Example:

```
"Europe/Amsterdam"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/home−assistant.nix>

services.home−assistant.config.homeassistant.unit_system
The unit system to use. This also sets temperature_unit, Celsius for Metric and Fahrenheit for US Customary.

Type: null or one of “metric”, “us_customary”

Default:

```
null
```

Example:

```
"metric"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/home−assistant.nix>

services.home−assistant.config.http.server_host
Only listen to incoming requests on specific IP/host. The default listed assumes support for IPv4 and IPv6.

Type: string or list of string

Default:

```
[
  "0.0.0.0"
  "::"
]
```

Example:

```
"::1"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/home−assistant.nix>

services.home−assistant.config.http.server_port
The port on which to listen.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8123
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/home−assistant.nix>

services.home−assistant.config.lovelace.mode
In what mode should the main Lovelace panel be, ‘yaml’ or ‘storage’ (UI managed).

Type: one of “yaml”, “storage”

Default:

```
if (cfg.lovelaceConfig != null || cfg.lovelaceConfigFile != null)
  then "yaml"
else "storage";
```

Example:

```
"yaml"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/home−assistant.nix>

services.home−assistant.configDir
The config directory, where your *configuration.yaml* is located.

Type: absolute path

Default:

```
"/var/lib/hass"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/home−assistant.nix>

services.home−assistant.configWritable
Whether to make *configuration.yaml* writable.

This will allow you to edit it from Home Assistant’s web interface.

This only has an effect if **config** is set. However, bear in mind that it will be overwritten at every start of the service.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/home−assistant.nix>

services.home−assistant.customComponents
List of custom component packages to install.

Available components can be found below ‘pkgs.home−assistant−custom−components’.

Type: list of package that is a Home Assistant component

Default:

```
[ ]
```

Example:

```
with pkgs.home-assistant-custom-components; [
  prometheus_sensor
];
```

Declared by:

<nixpkgs/nixos/modules/services/home-automation/home-assistant.nix>

services.home-assistant.customLovelaceModules

List of custom lovelace card packages to load as lovelace resources.

Available cards can be found below 'pkgs.home-assistant-custom-lovelace-modules'.

Note

Automatic loading only works with lovelace in 'yaml' mode.

Type: list of package

Default:

```
[ ]
```

Example:

```
with pkgs.home-assistant-custom-lovelace-modules; [
  mini-graph-card
  mini-media-player
];
```

Declared by:

<nixpkgs/nixos/modules/services/home-automation/home-assistant.nix>

services.home-assistant.defaultIntegrations

List of integrations set are always set up, unless in recovery mode.

Type: list of (one of "3_day_blinds", "abode", "acaia", "accuweather", "acer_projector", "acmeda", "acomax", "actiontec", "actron_air", "adax", "adguard", "ads", "advantage_air", "aemet", "aep_ohio", "aep_texas", "aftership", "agent_dvr", "ai_task", "air_quality", "airgradient", "airly", "airnow", "airobot", "airos", "airpatrol", "airq", "airthings", "airthings_ble", "airtouch4", "airtouch5", "airvisual", "airvisual_pro", "airzone", "airzone_cloud", "aladdin_connect", "alarm_control_panel", "alarmdecoder", "alert", "alexa", "alexa_devices", "alpha_vantage", "altruist", "amazon_polly", "amberelectric", "ambient_network", "ambient_station", "amcrest", "amp_motorization", "ampio", "analytics", "analytics_insights", "android_ip_webcam", "androidtv", "androidtv_remote", "anel_pwrctrl", "anglian_water", "anova", "anthemav", "anthropic", "anwb_energie", "aosmith", "apache_kafka", "apcupsd", "api", "apollo_automation", "appalachianpower", "apple_tv", "application_credentials", "apprise", "aprilaire", "aprs", "apsystems", "aquacell", "aqualogic", "aquostv", "aranet", "arcam_fmj", "arest", "aris_tg2492lg", "artsound", "aruba", "arve", "arwn", "aseko_pool_live", "assist_pipeline", "assist_satellite", "asuswrt", "atag", "aten_pe", "atlanticcityelectric", "atome", "august", "august_ble", "aurora", "aurora_abb_powerone", "aussie_broadband", "autarco", "auth", "automation", "autoskope", "avea", "avion", "awair", "aws", "aws_s3", "axis", "azure_data_explorer", "azure_devops", "azure_event_hub", "azure_service_bus", "azure_storage", "backblaze_b2", "backup", "baf", "baidu", "balay", "balboa", "bang_olufsen", "battery", "bauknecht", "bayesian", "bbox", "beewi_smartclim", "bge", "binary_sensor", "bitcoin", "bizkaibus", "blackbird", "blebox", "blink", "bliss_automation", "bloc_blinds", "blockchain", "blue_current", "bluemaestro", "blueprint", "bluesound", "bluetooth", "bluetooth_adapters", "bluetooth_le_tracker", "bmw_connected_drive", "bond", "bosch_alarm", "bosch_shc", "brands", "brandt", "braviatv", "brel_home", "bring", "broadlink", "brother", "brottsplatskartan", "browser", "brunt", "bryant_evolution", "bsblan", "bswitch", "bt_home_hub_5", "bt_smarthub", "bthome", "bticino", "bubendorff", "buienradar", "burbank_water_and_power", "button", "caldav",

“calendar”, “cambridge_audio”, “camera”, “canary”, “casper_glow”, “cast”, “ccm15”, “cert_expiry”, “chacon_dio”, “channels”, “chess_com”, “cisco_ios”, “cisco_mobility_express”, “cisco_webex_teams”, “citybikes”, “clementine”, “clickatell”, “clicksend”, “clicksend_tts”, “climate”, “cloud”, “cloudflare”, “cloudflare_r2”, “cmus”, “co2signal”, “coautilities”, “coinbase”, “color_extractor”, “comed”, “comed_hourly_pricing”, “comelit”, “comfoconnect”, “command_line”, “compensation”, “compit”, “concord232”, “coned”, “config”, “configurator”, “constructa”, “control4”, “conversation”, “cookidoo”, “coolmaster”, “cosori”, “counter”, “cover”, “cozytouch”, “cppm_tracker”, “cpuspeed”, “cribl”, “crownstone”, “currencylayer”, “cync”, “dacia”, “daikin”, “danfoss_air”, “datadog”, “date”, “datetime”, “ddwrt”, “deako”, “debugpy”, “deconz”, “decora_wifi”, “decorquip”, “default_config”, “delijn”, “delmarva”, “deluge”, “demo”, “denon”, “denonavr”, “derivative”, “devialet”, “device_automation”, “device_sun_light_trigger”, “device_tracker”, “devolo_home_control”, “devolo_home_network”, “dexcom”, “dhcp”, “diagnostics”, “dialogflow”, “diaz”, “digital_loggers”, “digital_ocean”, “directv”, “discogs”, “discord”, “discovergy”, “dlink”, “dlna_dmr”, “dlna_dms”, “dnsip”, “doods”, “door”, “doorbird”, “dooya”, “dormakaba_dkey”, “downloader”, “dremel_3d_printer”, “drop_connect”, “droplet”, “dsmr”, “dsmr_reader”, “dublin_bus_transport”, “duckdns”, “dunehd”, “duotecno”, “duquesne_light”, “dwd_weather_warnings”, “dynalite”, “eafm”, “eastron”, “easyenergy”, “ebox”, “ebusd”, “ecoal_boiler”, “ecobee”, “ecoforest”, “econet”, “ecovacs”, “ecowitt”, “edimax”, “edl21”, “efergy”, “egardia”, “egauge”, “eheimdigital”, “eight_sleep”, “ekeybionyx”, “electrasmart”, “electric_kiwi”, “elevenlabs”, “elgato”, “eliqonline”, “elkm1”, “elmax”, “elv”, “elvia”, “emby”, “emoncms”, “emoncms_history”, “emonitor”, “emulated_hue”, “emulated_kasa”, “emulated_roku”, “energenie_power_sockets”, “energie_vanons”, “energy”, “energyid”, “energyzero”, “enigma2”, “enocean”, “enphase_envoy”, “entur_public_transport”, “environment_canada”, “envisalink”, “ephember”, “epic_games_store”, “epion”, “epson”, “eq3btsmart”, “escea”, “esera_onewire”, “esphome”, “essent”, “etherscan”, “eufy”, “eufylife_ble”, “event”, “evergy”, “everlights”, “evil_genius_labs”, “evohome”, “ezviz”, “faa_delays”, “facebook”, “fail2ban”, “familyhub”, “fan”, “fastdotcom”, “feedreader”, “ffmpeg”, “ffmpeg_motion”, “ffmpeg_noise”, “fibaro”, “fido”, “file”, “file_upload”, “filesize”, “filter”, “fing”, “fints”, “fire_tv”, “firefly_iii”, “fireservicerota”, “firmata”, “fish_audio”, “fitbit”, “fivem”, “fixer”, “fjaraskupan”, “fleetgo”, “flexit”, “flexit_bacnet”, “flexom”, “flic”, “flipr”, “flo”, “flock”, “flume”, “fluss”, “flux”, “flux_led”, “folder”, “folder_watcher”, “foobot”, “forecast_solar”, “forked_daapd”, “fortios”, “foscam”, “foursquare”, “frankever”, “free_mobile”, “freebox”, “freedns”, “freedompro”, “freshr”, “fressnapf_tracker”, “fritz”, “fritzbox”, “fritzbox_callmonitor”, “fronius”, “frontend”, “frontier_silicon”, “fujitsu_anywair”, “fujitsu_fglair”, “fully_kiosk”, “futurenow”, “fyta”, “gaggenau”, “garadget”, “garage_door”, “garages_amsterdam”, “gardena_bluetooth”, “gate”, “gaviota”, “gc100”, “gdacs”, “generic”, “generic_hygrostat”, “generic_thermostat”, “geniushub”, “gentex_homelink”, “geo_json_events”, “geo_location”, “geo_rss_events”, “geocaching”, “geofency”, “geonetnz_quakes”, “geonetnz_volcano”, “ghost”, “gios”, “github”, “gitlab_ci”, “gitter”, “glances”, “go2rtc”, “goalzero”, “gogogate2”, “goodwe”, “google”, “google_air_quality”, “google_assistant”, “google_assistant_sdk”, “google_cloud”, “google_drive”, “google_generative_ai_conversation”, “google_mail”, “google_maps”, “google_photos”, “google_pubsub”, “google_sheets”, “google_tasks”, “google_translate”, “google_travel_time”, “google_weather”, “google_wifi”, “govee_ble”, “govee_light_local”, “gpsd”, “gpslogger”, “graphite”, “gree”, “green_planet_energy”, “greeneye_monitor”, “greenwave”, “group”, “growatt_server”, “gtfs”, “guardian”, “habitica”, “hanna”, “hardkernel”, “hardware”, “harman_kardon_avr”, “harmony”, “harvey”, “hassio”, “havana_shade”, “haveibeenpwned”, “hddtemp”, “hdfury”, “hdmi_cec”, “heatmiser”, “hegel”, “heicko”, “heiwa”, “heos”, “here_travel_time”, “hexaom”, “hi_kumo”, “hikvision”, “hikvisioncam”, “hisense_aehw4a1”, “history”, “history_stats”, “hitron_coda”, “hive”, “hko”, “hlk_sw16”, “holiday”, “home_connect”, “home_plus_control”, “homeassistant”, “homeassistant_alerts”, “homeassistant_connect_zbt2”, “homeassistant_green”, “homeassistant_hardware”, “homeassistant_sky_connect”, “homeassistant_yellow”, “homee”, “homekit”, “homekit_controller”, “homematic”, “homematicip_cloud”, “homevolt”, “homewizard”, “homeworks”, “honeywell”, “horizon”, “hp_ilo”, “hr_energy_qube”, “html5”, “http”, “huawei_lte”, “hue”, “hue_ble”, “huisbaasje”, “humidifier”, “humidity”, “hunterdouglas_powerview”, “hurrican_shutters_wholesale”, “husqvarna_automower”, “husqvarna_automower_ble”, “huum”, “hvv_departures”, “hydrawise”, “hyperion”, “hypontech”, “ialarm”, “iammeter”, “iaqualink”, “ibeacon”, “icloud”, “idasen_desk”, “idrive_e2”, “idteck_prox”, “ifttt”, “iglo”, “igloohome”,

“ign_sismologia”, “ihc”, “illuminance”, “image”, “image_processing”, “image_upload”, “imap”, “imeon_inverter”, “imgw_pib”, “immich”, “improv_ble”, “incomfort”, “indevolt”, “indianamichiganpower”, “inels”, “influxdb”, “infrared”, “inkbird”, “input_boolean”, “input_button”, “input_datetime”, “input_number”, “input_select”, “input_text”, “inspired_shades”, “insteon”, “integration”, “intelliclima”, “intellifire”, “intent”, “intent_script”, “intesishome”, “iometer”, “ios”, “iotawatt”, “iotty”, “iperf3”, “ipma”, “ipp”, “iqvia”, “irish_rail_transport”, “irm_kmi”, “iron_os”, “isal”, “iskra”, “islamic_prayer_times”, “ismartwindow”, “israel_rail”, “iss”, “ista_ecotrend”, “isy994”, “itach”, “itunes”, “ituran”, “izone”, “jellyfin”, “jewish_calendar”, “joaoapps_join”, “juicenet”, “justnimbus”, “jvc_projector”, “kaiser_nienhaus”, “kaiterra”, “kaleidescape”, “kankun”, “keba”, “keenetic_ndms2”, “kef”, “kegtron”, “kentuckypower”, “keyboard_remote”, “keymitt_ble”, “kira”, “kitchen_sink”, “kiwi”, “kmtronic”, “knocki”, “knx”, “kodi”, “konnected”, “konnected_esphome”, “kostal_plenticore”, “kraken”, “krispol”, “kulersky”, “kwb”, “labs”, “lacrosse”, “lacrosse_view”, “lamarzocco”, “lametric”, “landisgyr_heat_meter”, “lannouncer”, “lastfm”, “launch_library”, “laundrify”, “lawn_mower”, “lcn”, “ld2410_ble”, “leaone”, “led_ble”, “legrand”, “lektrico”, “letpot”, “levoit”, “lg_infrared”, “lg_netcast”, “lg_soundbar”, “lg_thinq”, “libre_hardware_monitor”, “lichess”, “lidarr”, “liebherr”, “life360”, “lifx”, “lifx_cloud”, “light”, “lightwave”, “limitlessled”, “linak”, “linkedgo”, “linkplay”, “linksys_smart”, “linode”, “linux_battery”, “linx”, “litejet”, “litterrobot”, “livisi”, “llamalab_automate”, “local_calendar”, “local_file”, “local_ip”, “local_todo”, “locative”, “lock”, “logbook”, “logentries”, “logger”, “lojack”, “london_air”, “london_underground”, “lookin”, “loqed”, “lovelace”, “luci”, “luftdaten”, “lunatone”, “lupusec”, “lutron”, “lutron_caseta”, “luxaflex”, “lw12wifi”, “lyric”, “madeco”, “madvr”, “mailgun”, “manual”, “manual_mqtt”, “marantz”, “martec”, “marytts”, “mastodon”, “matrix”, “matter”, “maxcube”, “maytag”, “mazda”, “mcp”, “mcp_server”, “mealie”, “meater”, “medcom_ble”, “media_extractor”, “media_player”, “media_source”, “mediaroom”, “melcloud”, “melissa”, “melnor”, “meraki”, “message_bird”, “met”, “met_eireann”, “meteo_france”, “meteo_lt”, “meteoalarm”, “meteoclimatic”, “metoffice”, “mfi”, “microbees”, “microsoft”, “microsoft_face”, “microsoft_face_detect”, “microsoft_face_identify”, “miele”, “mijndomein_energie”, “mikrotik”, “mill”, “min_max”, “minecraft_server”, “minio”, “mjpeg”, “moat”, “mobile_app”, “mochad”, “modbus”, “modem_callerid”, “modern_forms”, “moehlenhoff_alpha2”, “moisture”, “mold_indicator”, “monarch_money”, “monessen”, “monoprice”, “monzo”, “moon”, “mopeka”, “motion”, “motion_blinds”, “motionblinds_ble”, “motioneye”, “motionmount”, “mpd”, “mqtt”, “mqtt_eventstream”, “mqtt_json”, “mqtt_room”, “mqtt_statestream”, “msteams”, “mta”, “mullvad”, “music_assistant”, “mutesync”, “mvglive”, “my”, “myneomitis”, “myq”, “mysensors”, “mystrom”, “mythicbeastsdns”, “myuplink”, “nad”, “nam”, “namecheapdns”, “nanoleaf”, “nasweb”, “national_grid_us”, “neato”, “nederlandse_spoorwegen”, “neff”, “neo”, “ness_alarm”, “nest”, “netatmo”, “netdata”, “netgear”, “netgear_lte”, “netio”, “network”, “neurio_energy”, “nexia”, “nexity”, “nextbus”, “nextcloud”, “nextdns”, “nfandroidtv”, “nibe_heatpump”, “nice_go”, “nightscout”, “niko_home_control”, “nilu”, “nina”, “nintendo_parental_controls”, “nissan_leaf”, “nmap_tracker”, “nmbs”, “no_ip”, “noaa_tides”, “nobo_hub”, “nordpool”, “norway_air”, “notify”, “notify_events”, “notion”, “nrgkick”, “nsw_fuel_station”, “nsw_rural_fire_service_feed”, “ntfy”, “nuheat”, “nuki”, “numato”, “number”, “nut”, “nutrichef”, “nws”, “nx584”, “nyt_games”, “nzbget”, “oasa_telematics”, “obihai”, “occupancy”, “octoprint”, “oem”, “ogemray”, “ohmconnect”, “ohme”, “ollama”, “ombi”, “omnilogic”, “onboarding”, “oncue”, “ondilo_ico”, “onedrive”, “onedrive_for_business”, “onewire”, “onkyo”, “onvif”, “open_meteo”, “open_router”, “openai_conversation”, “openalpr_cloud”, “opendisplay”, “openerz”, “openevse”, “openexchangerates”, “opengarage”, “openhardwaremonitor”, “openhome”, “openrgb”, “opensensemap”, “opensky”, “opentherm_gw”, “openuv”, “openweathermap”, “opnsense”, “opower”, “opple”, “oralb”, “oru”, “oru_opower”, “orvibo”, “osoenergy”, “osramlightify”, “otbr”, “otp”, “ourgroceries”, “overkiz”, “overseerr”, “ovo_energy”, “owntracks”, “p1_monitor”, “palazzetti”, “panasonic_bluray”, “panasonic_viera”, “panel_custom”, “paperless_ngx”, “pcs_lighting”, “peblar”, “peco”, “peco_opower”, “pegel_online”, “pencom”, “pepco”, “permobil”, “persistent_notification”, “person”, “pge”, “pglab”, “philips_js”, “pi_hole”, “picnic”, “picotts”, “pilight”, “pinecil”, “ping”, “pioneer”, “piper”, “pitsos”, “pjlink”, “plaato”, “plant”, “playstation_network”, “plex”, “plugwise”, “plum_lightpad”, “pocketcasts”, “point”, “pooldose”, “poolsense”, “portainer”, “portlandgeneral”, “power”, “powerfox”, “powerfox_local”, “powerwall”, “prana”, “private_ble_device”, “probe_plus”, “profiler”, “profilo”, “progettihwsw”, “proliphix”, “prometheus”, “prosegur”, “prowl”, “proximity”,

“proxmoxve”, “proxy”, “prusalink”, “ps4”, “pse”, “psoklahoma”, “pterodactyl”, “pulseaudio_loopback”, “pure_energie”, “purpleair”, “push”, “pushbullet”, “pushover”, “pushsafer”, “pvoutput”, “pvpc_hourly_pricing”, “pyload”, “python_script”, “qbittorrent”, “qbus”, “qingping”, “qld_bushfire”, “qnap”, “qnap_qsw”, “qrcode”, “quadrafire”, “quantum_gateway”, “qvr_pro”, “qwikswitch”, “rabbitair”, “rachio”, “radarr”, “radio_browser”, “radiotherm”, “rainbird”, “raincloud”, “rainforest_eagle”, “rainforest_raven”, “rainmachine”, “random”, “rapt_ble”, “raspberry_pi”, “raspyrfm”, “raven_rock_mfg”, “rdw”, “recollect_waste”, “recorder”, “recovery_mode”, “recswitch”, “reddit”, “redgtech”, “refoss”, “rehlko”, “rejseplanen”, “remember_the_milk”, “remote”, “remote_calendar”, “remote_rpi_gpio”, “renault”, “renson”, “reolink”, “repairs”, “repetier”, “rest”, “rest_command”, “rexel”, “rflink”, “rfxtrx”, “rhasspy”, “ridwell”, “ring”, “ripple”, “risco”, “rituals_perfume_genie”, “rmvtransport”, “roborock”, “rocketchat”, “roku”, “romy”, “roomba”, “roon”, “route53”, “route_b_smart_meter”, “rova”, “rpi_power”, “rss_feed_template”, “rtorrent”, “ruckus_unleashed”, “russound_rio”, “russound_rnet”, “ruuvi_gateway”, “ruuvitag_ble”, “rympro”, “sabnzbd”, “saj”, “samsam”, “samsungtv”, “sanix”, “satel_integra”, “saunum”, “scene”, “schedule”, “schlage”, “schluter”, “scl”, “scrape”, “screenaway”, “screenlogic”, “script”, “scsgate”, “search”, “season”, “select”, “sendgrid”, “sense”, “sensibo”, “sensirion_ble”, “sensor”, “sensorblue”, “sensorpro”, “sensorpush”, “sensorpush_cloud”, “sensoterra”, “sentry”, “senz”, “serial”, “serial_pm”, “sesame”, “seven_segments”, “seventeentrack”, “sfr_box”, “sftp_storage”, “sharkiq”, “shell_command”, “shelly”, “shodan”, “shopping_list”, “sia”, “siemens”, “sigfox”, “sighthound”, “signal_messenger”, “simplefin”, “simplepush”, “simplisafe”, “simply_automated”, “simu”, “sinch”, “siren”, “sisyphus”, “sky_hub”, “sky_remote”, “skybeacon”, “skybell”, “slack”, “sleep_as_android”, “sleepiq”, “slide”, “slide_local”, “slimproto”, “sma”, “smappee”, “smarla”, “smart_blinds”, “smart_home”, “smart_meter_texas”, “smart_rollos”, “smarther”, “smartthings”, “smarttub”, “smarty”, “smhi”, “smlight”, “smtp”, “smud”, “snapcast”, “snmp”, “snoo”, “snooz”, “solaredge”, “solaredge_local”, “solarlog”, “solarman”, “solax”, “soma”, “somfy”, “somfy_mylink”, “sonarr”, “songpal”, “sonos”, “sony_projector”, “soundtouch”, “spaceapi”, “spc”, “speedtestdotnet”, “spider”, “splunk”, “spotify”, “sql”, “squeezebox”, “srp_energy”, “ssdp”, “starline”, “starlingbank”, “starlink”, “startca”, “statistics”, “statsd”, “steam_online”, “steamist”, “stiebel_eltron”, “stookwijzer”, “stream”, “streamlabswater”, “stt”, “subaru”, “suez_water”, “sun”, “sunricher_dali”, “sunweg”, “supervisord”, “supla”, “surepetcare”, “swepco”, “swiss_hydrological_data”, “swiss_public_transport”, “swisscom”, “switch”, “switch_as_x”, “switchbee”, “switchbot”, “switchbot_cloud”, “switcher_kis”, “switchmate”, “symfonisk”, “syncthing”, “syncthru”, “synology_chat”, “synology_dsm”, “synology_srm”, “syslog”, “system_bridge”, “system_health”, “system_log”, “systemmonitor”, “systemnexa2”, “tado”, “tag”, “tailscale”, “tailwind”, “tami4”, “tank_utility”, “tankerkoenig”, “tapsaff”, “tasmota”, “tautulli”, “tcp”, “technove”, “ted5000”, “tedee”, “telegram”, “telegram_bot”, “tellduslive”, “tellstick”, “telnet”, “teltonika”, “temper”, “temperature”, “template”, “tesla_fleet”, “tesla_wall_connector”, “teslemetry”, “tessie”, “text”, “thermador”, “thermobeacon”, “thermoplus”, “thermopro”, “thethingsnetwork”, “thingspeak”, “thinkingcleaner”, “thomson”, “thread”, “threshold”, “tibber”, “tikteck”, “tile”, “tilt_ble”, “tilt_pi”, “time”, “time_date”, “timer”, “tmb”, “tod”, “todo”, “todoist”, “togrill”, “tolo”, “tomato”, “tomorrowio”, “toon”, “torque”, “totalconnect”, “touchline”, “touchline_sl”, “tplink”, “tplink_lte”, “tplink_omada”, “tplink_tapo”, “traccar”, “traccar_server”, “trace”, “tractive”, “tradfri”, “trafikverket_camera”, “trafikverket_ferry”, “trafikverket_train”, “trafikverket_weatherstation”, “trane”, “transmission”, “transport_nsw”, “travisci”, “trend”, “triggercmd”, “trmnl”, “tts”, “tuya”, “twentemilieu”, “twilio”, “twilio_call”, “twilio_sms”, “twinkly”, “twitch”, “twitter”, “ubiwizz”, “ublockout”, “ubus”, “uhoo”, “uk_transport”, “ukraine_alarm”, “ultraloq”, “unifi”, “unifi_access”, “unifi_direct”, “unifiled”, “unifiprotect”, “universal”, “upb”, “upc_connect”, “upcloud”, “update”, “upnp”, “uprise_smart_shades”, “uptime”, “uptime_kuma”, “uptimerobot”, “usage_prediction”, “usb”, “usgs_earthquakes_feed”, “utility_meter”, “uvc”, “v2c”, “vacuum”, “vagner_pool”, “vallox”, “valve”, “vasttrafik”, “vegehub”, “velbus”, “velux”, “venstar”, “vera”, “verisure”, “vermont_castings”, “versasense”, “version”, “vesync”, “viaggiatreno”, “vicare”, “victron_ble”, “victron_remote_monitoring”, “vilfo”, “vivotek”, “vizio”, “vlc”, “vlc_telnet”, “vodafone_station”, “voicerss”, “voip”, “volkszaehler”, “volumio”, “volvo”, “volvooncall”, “w800rf32”, “wake_on_lan”, “wake_word”, “wallbox”, “waqi”, “water_heater”, “waterfurnace”, “watergate”, “watts”, “watttime”, “waze_travel_time”, “weather”, “weatherflow”, “weatherflow_cloud”, “weatherkit”, “web_rtc”, “webdav”, “webhook”, “webmin”, “webostv”, “websocket_api”, “weheat”,

“wemo”, “whirlpool”, “whisper”, “whois”, “wiffi”, “wiim”, “wilight”, “window”, “wirelesstag”, “withings”, “wiz”, “wled”, “wmspro”, “wolflink”, “workday”, “worldclock”, “worldtidesinfo”, “worxlandroid”, “ws66i”, “wsdot”, “wyoming”, “x10”, “xbox”, “xeoma”, “xiaomi”, “xiaomi_aqara”, “xiaomi_ble”, “xiaomi_miio”, “xiaomi_tv”, “xmpp”, “xs1”, “yale”, “yale_smart_alarm”, “yalexs_ble”, “yamaha”, “yamaha_musiccast”, “yandex_transport”, “yandextts”, “yardian”, “yeelight”, “yeelightsunflower”, “yi”, “yolink”, “youless”, “youtube”, “zabbix”, “zamg”, “zbox_hub”, “zengge”, “zeroconf”, “zerproc”, “zestimate”, “zeversolar”, “zha”, “zhong_hong”, “ziggo_mediabox_xl”, “zimi”, “zinvolt”, “zodiac”, “zondergas”, “zone”, “zoneminder”, “zwave_js”, “zwave_me”) *(read only)*

Default:

```
[
  "application_credentials"
  "frontend"
  "hardware"
  "logger"
  "network"
  "system_health"
  "automation"
  "person"
  "scene"
  "script"
  "tag"
  "zone"
  "counter"
  "input_boolean"
  "input_button"
  "input_datetime"
  "input_number"
  "input_select"
  "input_text"
  "schedule"
  "timer"
  "backup"
]
```

Declared by:

<nixpkgs/nixos/modules/services/home−automation/home−assistant.nix>

services.home−assistant.extraArgs

Extra arguments to pass to the hass executable.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "−−debug"
]
```

Declared by:

<nixpkgs/nixos/modules/services/home−automation/home−assistant.nix>

services.home−assistant.extraComponents

List of **components** that have their dependencies included in the package.

The component name can be found in the URL, for example ‘https://www.home−assistant.io/integrations/ffmpeg/’ would map to ‘ffmpeg’.

Type: list of (one of “3_day_blinds”, “abode”, “acaia”, “accuweather”, “acer_projector”, “acmeda”, “acomax”, “actiontec”, “actron_air”, “adax”, “adguard”, “ads”, “advantage_air”, “aemet”, “aep_ohio”, “aep_texas”, “aftership”, “agent_dvr”, “ai_task”, “air_quality”, “airgradient”, “airly”, “airnow”, “airobot”, “airos”, “airpatrol”, “airq”, “airthings”, “airthings_ble”, “airtouch4”, “airtouch5”, “airvisual”, “airvisual_pro”, “airzone”, “airzone_cloud”, “aladdin_connect”, “alarm_control_panel”, “alarmdecoder”, “alert”, “alexa”, “alexa_devices”, “alpha_vantage”, “altruist”, “amazon_polly”, “amberelectric”, “ambient_network”, “ambient_station”, “amcrest”, “amp_motorization”, “ampio”, “analytics”, “analytics_insights”, “android_ip_webcam”, “androidtv”, “androidtv_remote”, “anel_pwrctrl”, “anglian_water”, “anova”, “anthemav”, “anthropic”, “anwb_energie”, “aosmith”, “apache_kafka”, “apcupsd”, “api”, “apollo_automation”, “appalachianpower”, “apple_tv”, “application_credentials”, “apprise”, “aprilaire”, “aprs”, “apsystems”, “aquacell”, “aqualogic”, “aquostv”, “aranet”, “arcam_fmj”, “arest”, “arris_tg2492lg”, “artsound”, “aruba”, “arve”, “arwn”, “aseko_pool_live”, “assist_pipeline”, “assist_satellite”, “asuswrt”, “atag”, “aten_pe”, “atlanticcityelectric”, “atome”, “august”, “august_ble”, “aurora”, “aurora_abb_powerone”, “aussie_broadband”, “autarco”, “auth”, “automation”, “autoskope”, “avea”, “avion”, “awair”, “aws”, “aws_s3”, “axis”, “azure_data_explorer”, “azure_devops”, “azure_event_hub”, “azure_service_bus”, “azure_storage”, “backblaze_b2”, “backup”, “baf”, “baidu”, “balay”, “balboa”, “bang_olufsen”, “battery”, “bauknecht”, “bayesian”, “bbox”, “beewi_smartclim”, “bge”, “binary_sensor”, “bitcoin”, “bizkaibus”, “blackbird”, “blebox”, “blink”, “bliss_automation”, “bloc_blinds”, “blockchain”, “blue_current”, “bluemaestro”, “blueprint”, “bluesound”, “bluetooth”, “bluetooth_adapters”, “bluetooth_le_tracker”, “bmw_connected_drive”, “bond”, “bosch_alarm”, “bosch_shc”, “brands”, “brandt”, “braviatv”, “brel_home”, “bring”, “broadlink”, “brother”, “brottsplatskartan”, “browser”, “brunt”, “bryant_evolution”, “bsblan”, “bswitch”, “bt_home_hub_5”, “bt_smarthub”, “bthome”, “bticino”, “bubendorff”, “buienradar”, “burbank_water_and_power”, “button”, “caldav”, “calendar”, “cambridge_audio”, “camera”, “canary”, “casper_glow”, “cast”, “ccm15”, “cert_expiry”, “chacon_dio”, “channels”, “chess_com”, “cisco_ios”, “cisco_mobility_express”, “cisco_webex_teams”, “citybikes”, “clementine”, “clickatell”, “clicksend”, “clicksend_tts”, “climate”, “cloud”, “cloudflare”, “cloudflare_r2”, “cmus”, “co2signal”, “coautilities”, “coinbase”, “color_extractor”, “comed”, “comed_hourly_pricing”, “comelit”, “comfoconnect”, “command_line”, “compensation”, “compit”, “concord232”, “coned”, “config”, “configurator”, “constructa”, “control4”, “conversation”, “cookidoo”, “coolmaster”, “cosori”, “counter”, “cover”, “cozytouch”, “cppm_tracker”, “cpuspeed”, “cribl”, “crownstone”, “currencylayer”, “cync”, “dacia”, “daikin”, “danfoss_air”, “datadog”, “date”, “datetime”, “ddwrt”, “deako”, “debugpy”, “deconz”, “decora_wifi”, “decorquip”, “default_config”, “delijn”, “delmarva”, “deluge”, “demo”, “denon”, “denonavr”, “derivative”, “devialet”, “device_automation”, “device_sun_light_trigger”, “device_tracker”, “devolo_home_control”, “devolo_home_network”, “dexcom”, “dhcp”, “diagnostics”, “dialogflow”, “diaz”, “digital_loggers”, “digital_ocean”, “directv”, “discogs”, “discord”, “discovergy”, “dlink”, “dlna_dmr”, “dlna_dms”, “dnsip”, “doods”, “door”, “doorbird”, “dooya”, “dormakaba_dkey”, “downloader”, “dremel_3d_printer”, “drop_connect”, “droplet”, “dsmr”, “dsmr_reader”, “dublin_bus_transport”, “duckdns”, “dunehd”, “duotecno”, “duquesne_light”, “dwd_weather_warnings”, “dynalite”, “eafm”, “eastron”, “easyenergy”, “ebox”, “ebusd”, “ecoal_boiler”, “ecobee”, “ecoforest”, “econet”, “ecovacs”, “ecowitt”, “edimax”, “edl21”, “efergy”, “egardia”, “egauge”, “eheimdigital”, “eight_sleep”, “ekeybionyx”, “electrasmart”, “electric_kiwi”, “elevenlabs”, “elgato”, “eliqonline”, “elkm1”, “elmax”, “elv”, “elvia”, “emby”, “emoncms”, “emoncms_history”, “emonitor”, “emulated_hue”, “emulated_kasa”, “emulated_roku”, “energenie_power_sockets”, “energie_vanons”, “energy”, “energyid”, “energyzero”, “enigma2”, “enocean”, “enphase_envoy”, “entur_public_transport”, “environment_canada”, “envisalink”, “ephember”, “epic_games_store”, “epion”, “epson”, “eq3btsmart”, “escea”, “esera_onewire”, “esphome”, “essent”, “etherscan”, “eufy”, “eufylife_ble”, “event”, “evergy”, “everlights”, “evil_genius_labs”, “evohome”, “ezviz”, “faa_delays”, “facebook”, “fail2ban”, “familyhub”, “fan”, “fastdotcom”, “feedreader”, “ffmpeg”, “ffmpeg_motion”, “ffmpeg_noise”, “fibaro”, “fido”,

“file”, “file_upload”, “filesize”, “filter”, “fing”, “fints”, “fire_tv”, “firefly_iii”, “fireservicerota”, “firmata”, “fish_audio”, “fitbit”, “fivem”, “fixer”, “fjaraskupan”, “fleetgo”, “flexit”, “flexit_bacnet”, “flexom”, “flic”, “flipr”, “flo”, “flock”, “flume”, “fluss”, “flux”, “flux_led”, “folder”, “folder_watcher”, “foobot”, “forecast_solar”, “forked_daapd”, “fortios”, “foscam”, “foursquare”, “frankever”, “free_mobile”, “freebox”, “freedns”, “freedompro”, “freshr”, “fressnapf_tracker”, “fritz”, “fritzbox”, “fritzbox_callmonitor”, “fronius”, “frontend”, “frontier_silicon”, “fujitsu_anywair”, “fujitsu_fglair”, “fully_kiosk”, “futurenow”, “fyta”, “gaggenau”, “garadget”, “garage_door”, “garages_amsterdam”, “gardena_bluetooth”, “gate”, “gaviota”, “gc100”, “gdacs”, “generic”, “generic_hygrostat”, “generic_thermostat”, “geniushub”, “gentex_homelink”, “geo_json_events”, “geo_location”, “geo_rss_events”, “geocaching”, “geofency”, “geonetnz_quakes”, “geonetnz_volcano”, “ghost”, “gios”, “github”, “gitlab_ci”, “gitter”, “glances”, “go2rtc”, “goalzero”, “gogogate2”, “goodwe”, “google”, “google_air_quality”, “google_assistant”, “google_assistant_sdk”, “google_cloud”, “google_drive”, “google_generative_ai_conversation”, “google_mail”, “google_maps”, “google_photos”, “google_pubsub”, “google_sheets”, “google_tasks”, “google_translate”, “google_travel_time”, “google_weather”, “google_wifi”, “govee_ble”, “govee_light_local”, “gpsd”, “gpslogger”, “graphite”, “gree”, “green_planet_energy”, “greeneye_monitor”, “greenwave”, “group”, “growatt_server”, “gtfs”, “guardian”, “habitica”, “hanna”, “hardkernel”, “hardware”, “harman_kardon_avr”, “harmony”, “harvey”, “hassio”, “havana_shade”, “haveibeenpwned”, “hddtemp”, “hdfury”, “hdmi_cec”, “heatmiser”, “hegel”, “heicko”, “heiwa”, “heos”, “here_travel_time”, “hexaom”, “hi_kumo”, “hikvision”, “hikvisioncam”, “hisense_aehw4a1”, “history”, “history_stats”, “hitron_coda”, “hive”, “hko”, “hlk_sw16”, “holiday”, “home_connect”, “home_plus_control”, “homeassistant”, “homeassistant_alerts”, “homeassistant_connect_zbt2”, “homeassistant_green”, “homeassistant_hardware”, “homeassistant_sky_connect”, “homeassistant_yellow”, “homee”, “homekit”, “homekit_controller”, “homematic”, “homematicip_cloud”, “homevolt”, “homewizard”, “homeworks”, “honeywell”, “horizon”, “hp_ilo”, “hr_energy_qube”, “html5”, “http”, “huawei_lte”, “hue”, “hue_ble”, “huisbaasje”, “humidifier”, “humidity”, “hunterdouglas_powerview”, “hurrican_shutters_wholesale”, “husqvarna_automower”, “husqvarna_automower_ble”, “huum”, “hvv_departures”, “hydrawise”, “hyperion”, “hypontech”, “ialarm”, “iammeter”, “iaqualink”, “ibeacon”, “icloud”, “idasen_desk”, “idrive_e2”, “idteck_prox”, “ifttt”, “iglo”, “igloohome”, “ign_sismologia”, “ihc”, “illuminance”, “image”, “image_processing”, “image_upload”, “imap”, “imeon_inverter”, “imgw_pib”, “immich”, “improv_ble”, “incomfort”, “indevolt”, “indianamichiganpower”, “inels”, “influxdb”, “infrared”, “inkbird”, “input_boolean”, “input_button”, “input_datetime”, “input_number”, “input_select”, “input_text”, “inspired_shades”, “insteon”, “integration”, “intelliclima”, “intellifire”, “intent”, “intent_script”, “intesishome”, “iometer”, “ios”, “iotawatt”, “iotty”, “iperf3”, “ipma”, “ipp”, “iqvia”, “irish_rail_transport”, “irm_kmi”, “iron_os”, “isal”, “iskra”, “islamic_prayer_times”, “ismartwindow”, “israel_rail”, “iss”, “ista_ecotrend”, “isy994”, “itach”, “itunes”, “ituran”, “izone”, “jellyfin”, “jewish_calendar”, “joaoapps_join”, “juicenet”, “justnimbus”, “jvc_projector”, “kaiser_nienhaus”, “kaiterra”, “kaleidescape”, “kankun”, “keba”, “keenetic_ndms2”, “kef”, “kegtron”, “kentuckypower”, “keyboard_remote”, “keymitt_ble”, “kira”, “kitchen_sink”, “kiwi”, “kmtronic”, “knocki”, “knx”, “kodi”, “konnected”, “konnected_esphome”, “kostal_plenticore”, “kraken”, “krispol”, “kulersky”, “kwb”, “labs”, “lacrosse”, “lacrosse_view”, “lamarzocco”, “lametric”, “landisgyr_heat_meter”, “lannouncer”, “lastfm”, “launch_library”, “laundrify”, “lawn_mower”, “lcn”, “ld2410_ble”, “leaone”, “led_ble”, “legrand”, “lektrico”, “letpot”, “levoit”, “lg_infrared”, “lg_netcast”, “lg_soundbar”, “lg_thinq”, “libre_hardware_monitor”, “lichess”, “lidarr”, “liebherr”, “life360”, “lifx”, “lifx_cloud”, “light”, “lightwave”, “limitlessled”, “linak”, “linkedgo”, “linkplay”, “linksys_smart”, “linode”, “linux_battery”, “linx”, “litejet”, “litterrobot”, “livisi”, “llamalab_automate”, “local_calendar”, “local_file”, “local_ip”, “local_todo”, “locative”, “lock”, “logbook”, “logentries”, “logger”, “lojack”, “london_air”, “london_underground”, “lookin”, “loqed”, “lovelace”, “luci”, “luftdaten”, “lunatone”, “lupusec”, “lutron”, “lutron_caseta”, “luxaflex”, “lw12wifi”, “lyric”, “madeco”, “madvr”, “mailgun”, “manual”, “manual_mqtt”, “marantz”, “martec”, “marytts”, “mastodon”, “matrix”, “matter”, “maxcube”, “maytag”, “mazda”, “mcp”, “mcp_server”, “mealie”, “meater”, “medcom_ble”, “media_extractor”, “media_player”, “media_source”, “mediaroom”, “melcloud”, “melissa”, “melnor”, “meraki”, “message_bird”, “met”, “met_eireann”, “meteo_france”, “meteo_lt”, “meteoalarm”, “meteoclimatic”, “metoffice”, “mfi”, “microbees”, “microsoft”, “microsoft_face”, “microsoft_face_detect”,

“microsoft_face_identify”, “miele”, “mijndomein_energie”, “mikrotik”, “mill”, “min_max”, “minecraft_server”, “minio”, “mjpeg”, “moat”, “mobile_app”, “mochad”, “modbus”, “modem_callerid”, “modern_forms”, “moehlenhoff_alpha2”, “moisture”, “mold_indicator”, “monarch_money”, “monessen”, “monoprice”, “monzo”, “moon”, “mopeka”, “motion”, “motion_blinds”, “motionblinds_ble”, “motioneye”, “motionmount”, “mpd”, “mqtt”, “mqtt_eventstream”, “mqtt_json”, “mqtt_room”, “mqtt_statestream”, “msteams”, “mta”, “mullvad”, “music_assistant”, “mutesync”, “mvglive”, “my”, “myneomitis”, “myq”, “mysensors”, “mystrom”, “mythicbeastsdns”, “myuplink”, “nad”, “nam”, “namecheapdns”, “nanoleaf”, “nasweb”, “national_grid_us”, “neato”, “nederlandse_spoorwegen”, “neff”, “neo”, “ness_alarm”, “nest”, “netatmo”, “netdata”, “netgear”, “netgear_lte”, “netio”, “network”, “neurio_energy”, “nexia”, “nexity”, “nextbus”, “nextcloud”, “nextdns”, “nfandroidtv”, “nibe_heatpump”, “nice_go”, “nightscout”, “niko_home_control”, “nilu”, “nina”, “nintendo_parental_controls”, “nissan_leaf”, “nmap_tracker”, “nmbs”, “no_ip”, “noaa_tides”, “nobo_hub”, “nordpool”, “norway_air”, “notify”, “notify_events”, “notion”, “nrgkick”, “nsw_fuel_station”, “nsw_rural_fire_service_feed”, “ntfy”, “nuheat”, “nuki”, “numato”, “number”, “nut”, “nutrichef”, “nws”, “nx584”, “nyt_games”, “nzbget”, “oasa_telematics”, “obihai”, “occupancy”, “octoprint”, “oem”, “ogemray”, “ohmconnect”, “ohme”, “ollama”, “ombi”, “omnilogic”, “onboarding”, “oncue”, “ondilo_ico”, “onedrive”, “onedrive_for_business”, “onewire”, “onkyo”, “onvif”, “open_meteo”, “open_router”, “openai_conversation”, “openalpr_cloud”, “opendisplay”, “openerz”, “openevse”, “openexchangerates”, “opengarage”, “openhardwaremonitor”, “openhome”, “openrgb”, “opensensemap”, “opensky”, “opentherm_gw”, “openuv”, “openweathermap”, “opnsense”, “opower”, “opple”, “oralb”, “oru”, “oru_opower”, “orvibo”, “osoenergy”, “osramlightify”, “otbr”, “otp”, “ourgroceries”, “overkiz”, “overseerr”, “ovo_energy”, “owntracks”, “p1_monitor”, “palazzetti”, “panasonic_bluray”, “panasonic_viera”, “panel_custom”, “paperless_ngx”, “pcs_lighting”, “peblar”, “peco”, “peco_opower”, “pegel_online”, “pencom”, “pepco”, “permobil”, “persistent_notification”, “person”, “pge”, “pglab”, “philips_js”, “pi_hole”, “picnic”, “picotts”, “pilight”, “pinecil”, “ping”, “pioneer”, “piper”, “pitsos”, “pjlink”, “plaato”, “plant”, “playstation_network”, “plex”, “plugwise”, “plum_lightpad”, “pocketcasts”, “point”, “pooldose”, “poolsense”, “portainer”, “portlandgeneral”, “power”, “powerfox”, “powerfox_local”, “powerwall”, “prana”, “private_ble_device”, “probe_plus”, “profiler”, “profilo”, “progettihwsw”, “proliphix”, “prometheus”, “prosegur”, “prowl”, “proximity”, “proxmoxve”, “proxy”, “prusalink”, “ps4”, “pse”, “psoklahoma”, “pterodactyl”, “pulseaudio_loopback”, “pure_energie”, “purpleair”, “push”, “pushbullet”, “pushover”, “pushsafer”, “pvoutput”, “pvpc_hourly_pricing”, “pyload”, “python_script”, “qbittorrent”, “qbus”, “qingping”, “qld_bushfire”, “qnap”, “qnap_qsw”, “qrcode”, “quadrafire”, “quantum_gateway”, “qvr_pro”, “qwikswitch”, “rabbitair”, “rachio”, “radarr”, “radio_browser”, “radiotherm”, “rainbird”, “raincloud”, “rainforest_eagle”, “rainforest_raven”, “rainmachine”, “random”, “rapt_ble”, “raspberry_pi”, “raspyrfm”, “raven_rock_mfg”, “rdw”, “recollect_waste”, “recorder”, “recovery_mode”, “recswitch”, “reddit”, “redgtech”, “refoss”, “rehlko”, “rejseplanen”, “remember_the_milk”, “remote”, “remote_calendar”, “remote_rpi_gpio”, “renault”, “renson”, “reolink”, “repairs”, “repetier”, “rest”, “rest_command”, “rexel”, “rflink”, “rfxtrx”, “rhasspy”, “ridwell”, “ring”, “ripple”, “risco”, “rituals_perfume_genie”, “rmvtransport”, “roborock”, “rocketchat”, “roku”, “romy”, “roomba”, “roon”, “route53”, “route_b_smart_meter”, “rova”, “rpi_power”, “rss_feed_template”, “rtorrent”, “ruckus_unleashed”, “russound_rio”, “russound_rnet”, “ruuvi_gateway”, “ruuvitag_ble”, “rympro”, “sabnzbd”, “saj”, “samsam”, “samsungtv”, “sanix”, “satel_integra”, “saunum”, “scene”, “schedule”, “schlage”, “schluter”, “scl”, “scrape”, “screenaway”, “screenlogic”, “script”, “scsgate”, “search”, “season”, “select”, “sendgrid”, “sense”, “sensibo”, “sensirion_ble”, “sensor”, “sensorblue”, “sensorpro”, “sensorpush”, “sensorpush_cloud”, “sensoterra”, “sentry”, “senz”, “serial”, “serial_pm”, “sesame”, “seven_segments”, “seventeentrack”, “sfr_box”, “sftp_storage”, “sharkiq”, “shell_command”, “shelly”, “shodan”, “shopping_list”, “sia”, “siemens”, “sigfox”, “sighthound”, “signal_messenger”, “simplefin”, “simplepush”, “simplisafe”, “simply_automated”, “simu”, “sinch”, “siren”, “sisyphus”, “sky_hub”, “sky_remote”, “skybeacon”, “skybell”, “slack”, “sleep_as_android”, “sleepiq”, “slide”, “slide_local”, “slimproto”, “sma”, “smappee”, “smarla”, “smart_blinds”, “smart_home”, “smart_meter_texas”, “smart_rollos”, “smarther”, “smartthings”, “smarttub”, “smarty”, “smhi”, “smlight”, “smtp”, “smud”, “snapcast”, “snmp”, “snoo”, “snooz”, “solaredge”, “solaredge_local”, “solarlog”, “solarman”, “solax”, “soma”, “somfy”, “somfy_mylink”, “sonarr”, “songpal”, “sonos”, “sony_projector”, “soundtouch”, “spaceapi”, “spc”, “speedtestdotnet”, “spider”, “splunk”,

“spotify”, “sql”, “squeezebox”, “srp_energy”, “ssdp”, “starline”, “starlingbank”, “starlink”, “startca”, “statistics”, “statsd”, “steam_online”, “steamist”, “stiebel_eltron”, “stookwijzer”, “stream”, “streamlabswater”, “stt”, “subaru”, “suez_water”, “sun”, “sunricher_dali”, “sunweg”, “supervisord”, “supla”, “surepetcare”, “swepco”, “swiss_hydrological_data”, “swiss_public_transport”, “swisscom”, “switch”, “switch_as_x”, “switchbee”, “switchbot”, “switchbot_cloud”, “switcher_kis”, “switchmate”, “symfonisk”, “syncthing”, “syncthru”, “synology_chat”, “synology_dsm”, “synology_srm”, “syslog”, “system_bridge”, “system_health”, “system_log”, “systemmonitor”, “systemnexa2”, “tado”, “tag”, “tailscale”, “tailwind”, “tami4”, “tank_utility”, “tankerkoenig”, “tapsaff”, “tasmota”, “tautulli”, “tcp”, “technove”, “ted5000”, “tedee”, “telegram”, “telegram_bot”, “tellduslive”, “tellstick”, “telnet”, “teltonika”, “temper”, “temperature”, “template”, “tesla_fleet”, “tesla_wall_connector”, “teslemetry”, “tessie”, “text”, “thermador”, “thermobeacon”, “thermoplus”, “thermopro”, “thethingsnetwork”, “thingspeak”, “thinkingcleaner”, “thomson”, “thread”, “threshold”, “tibber”, “tikteck”, “tile”, “tilt_ble”, “tilt_pi”, “time”, “time_date”, “timer”, “tmb”, “tod”, “todo”, “todoist”, “togrill”, “tolo”, “tomato”, “tomorrowio”, “toon”, “torque”, “totalconnect”, “touchline”, “touchline_sl”, “tplink”, “tplink_lte”, “tplink_omada”, “tplink_tapo”, “traccar”, “traccar_server”, “trace”, “tractive”, “tradfri”, “trafikverket_camera”, “trafikverket_ferry”, “trafikverket_train”, “trafikverket_weatherstation”, “trane”, “transmission”, “transport_nsw”, “travisci”, “trend”, “triggercmd”, “trmnl”, “tts”, “tuya”, “twentemilieu”, “twilio”, “twilio_call”, “twilio_sms”, “twinkly”, “twitch”, “twitter”, “ubiwizz”, “ublockout”, “ubus”, “uhoo”, “uk_transport”, “ukraine_alarm”, “ultraloq”, “unifi”, “unifi_access”, “unifi_direct”, “unifiled”, “unifiprotect”, “universal”, “upb”, “upc_connect”, “upcloud”, “update”, “upnp”, “uprise_smart_shades”, “uptime”, “uptime_kuma”, “uptimerobot”, “usage_prediction”, “usb”, “usgs_earthquakes_feed”, “utility_meter”, “uvc”, “v2c”, “vacuum”, “vagner_pool”, “vallox”, “valve”, “vasttrafik”, “vegehub”, “velbus”, “velux”, “venstar”, “vera”, “verisure”, “vermont_castings”, “versasense”, “version”, “vesync”, “viaggiatreno”, “vicare”, “victron_ble”, “victron_remote_monitoring”, “vilfo”, “vivotek”, “vizio”, “vlc”, “vlc_telnet”, “vodafone_station”, “voicerss”, “voip”, “volkszaehler”, “volumio”, “volvo”, “volvooncall”, “w800rf32”, “wake_on_lan”, “wake_word”, “wallbox”, “waqi”, “water_heater”, “waterfurnace”, “watergate”, “watts”, “watttime”, “waze_travel_time”, “weather”, “weatherflow”, “weatherflow_cloud”, “weatherkit”, “web_rtc”, “webdav”, “webhook”, “webmin”, “webostv”, “websocket_api”, “weheat”, “wemo”, “whirlpool”, “whisper”, “whois”, “wiffi”, “wiim”, “wilight”, “window”, “wirelesstag”, “withings”, “wiz”, “wled”, “wmspro”, “wolflink”, “workday”, “worldclock”, “worldtidesinfo”, “worxlandroid”, “ws66i”, “wsdot”, “wyoming”, “x10”, “xbox”, “xeoma”, “xiaomi”, “xiaomi_aqara”, “xiaomi_ble”, “xiaomi_miio”, “xiaomi_tv”, “xmpp”, “xs1”, “yale”, “yale_smart_alarm”, “yalexs_ble”, “yamaha”, “yamaha_musiccast”, “yandex_transport”, “yandextts”, “yardian”, “yeelight”, “yeelightsunflower”, “yi”, “yolink”, “youless”, “youtube”, “zabbix”, “zamg”, “zbox_hub”, “zengge”, “zeroconf”, “zerproc”, “zestimate”, “zeversolar”, “zha”, “zhong_hong”, “ziggo_mediabox_xl”, “zimi”, “zinvolt”, “zodiac”, “zondergas”, “zone”, “zoneminder”, “zwave_js”, “zwave_me”)

Default:

```
[
  "default_config"
  "met"
  "esphome"
]
```

Example:

```
[
  "analytics"
  "default_config"
  "esphome"
  "my"
  "shopping_list"
  "wled"
]
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/home−assistant.nix>

services.home−assistant.extraPackages
List of packages to add to propagatedBuildInputs.

A popular example is ‘python3Packages.psycopg2’ for PostgreSQL support in the recorder component.

Type: function that evaluates to a(n) list of package

Default:

```
python3Packages: with python3Packages; [];
```

Example:

```
python3Packages: with python3Packages; [
  # postgresql support
  psycopg2
];
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/home−assistant.nix>

services.home−assistant.lovelaceConfig
Your *ui−lovelace.yaml* as a Nix attribute set. Setting this option will automatically set ‘lovelace.mode’ to ‘yaml’.

Beware that setting this option will delete your previous *ui−lovelace.yaml*

Type: null or YAML 1.1 value

Default:

```
null
```

Example:

```
{
  title = "My Awesome Home";
  views = [ {
    title = "Example";
    cards = [ {
      type = "markdown";
      title = "Lovelace";
      content = "Welcome to your **Lovelace UI**.";
    } ];
  } ];
}
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/home−assistant.nix>

services.home−assistant.lovelaceConfigFile
Your *ui−lovelace.yaml* managed as configuraton file. Setting this option will automatically set ‘lovelace.mode’ to ‘yaml’.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/path/to/ui−lovelace.yaml"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/home−assistant.nix>

services.home−assistant.lovelaceConfigWritable
Whether to make *ui−lovelace.yaml* writable.

This will allow you to edit it from Home Assistant's web interface.

This only has an effect if **lovelaceConfig** is set. However, bear in mind that it will be overwritten at every start of the service.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/home−assistant.nix>

services.home−assistant.openFirewall
Whether to open the firewall for the specified port.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/home−assistant.nix>

services.home−assistant−matter−hub.enable
Whether to enable home−assistant−matter−hub, a Matter bridge for Home Assistant.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/home−assistant−matter−hub.nix>

services.home−assistant−matter−hub.package
The home−assistant−matter−hub package to use.

Type: package

Default:

```
pkgs.home−assistant−matter−hub
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/home−assistant−matter−hub.nix>

services.home−assistant−matter−hub.accessTokenFile
Path to a file containing a Home Assistant long−lived access token. The file is loaded as a systemd credential and read into 'HAMH_HOME_ASSISTANT_ACCESS_TOKEN' at service start.

Type: absolute path not in the Nix store

Example:

```
"/run/secrets/home−assistant−matter−hub−token"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/home−assistant−matter−hub.nix>

services.home−assistant−matter−hub.openFirewall
Whether to open the Matter commissioning ports (UDP/TCP 5540) in the firewall.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/home−assistant−matter−hub.nix>

services.home−assistant−matter−hub.settings
Configuration written to a JSON file and passed to 'home−assistant−matter−hub start −−config'. Keys use camelCase, matching the long−form CLI flags. See **https://riddix.github.io/home−assistant−matter−hub/getting−started/installation#23−configuration−options** for the full list of options.

Type: open submodule of (JSON value)

Default:

```
{ }
```

Example:

```
{
  homeAssistantUrl = config.services.home−assistant.config.homeass \
istant.internal_url;
}
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/home−assistant−matter−hub.nix>

services.home−assistant−matter−hub.settings.homeAssistantUrl
HTTP URL of the Home Assistant instance to bridge.

Type: string

Example:

```
config.services.home−assistant.config.homeassistant.internal_url
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/home−assistant−matter−hub.nix>

services.home−assistant−matter−hub.settings.httpPort
Port the web interface listens on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8482
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/home−assistant−matter−hub.nix>

services.homebox.enable
Whether to enable homebox.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/homebox.nix>

services.homebox.package
The homebox package to use.

Type: package

Default:

```
pkgs.homebox
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/homebox.nix>

services.homebox.database.createLocally
Configure local PostgreSQL database server for Homebox.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/homebox.nix>

services.homebox.group
Group under which Homebox runs.

Type: string

Default:

```
"homebox"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/homebox.nix>

services.homebox.settings
The homebox configuration as environment variables. For definitions and available options see the upstream **documentation**.

Type: open submodule of attribute set of (null or string)

Default:

```
{
  HBOX_STORAGE_CONN_STRING = "file:///var/lib/homebox";
  HBOX_STORAGE_PREFIX_PATH = "data";
  HBOX_DATABASE_DRIVER = "sqlite3";
  HBOX_DATABASE_SQLITE_PATH = "/var/lib/homebox/data/homebox.db?_pr \
agma=busy_timeout=999&_pragma=journal_mode=WAL&_fk=1";
  HBOX_OPTIONS_ALLOW_REGISTRATION = "false";
  HBOX_OPTIONS_GITHUB_RELEASE_CHECK = "false";
  HBOX_MODE = "production";
  HOME = "/var/lib/homebox";
  TMPDIR = "/var/lib/homebox/tmp";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/homebox.nix>

services.homebox.user
User account under which Homebox runs.

Type: string

Default:

```
"homebox"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/homebox.nix>

services.homebridge.enable
Whether to enable Homebridge: Homekit home automation.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/homebridge.nix>

services.homebridge.environmentFile
Path to an environment−file which may contain secrets.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/homebridge.nix>

services.homebridge.group
Group to run homebridge as.

Type: string

Default:

```
"homebridge"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/homebridge.nix>

services.homebridge.openFirewall
Open ports in the firewall for the Homebridge web interface and service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/homebridge.nix>

services.homebridge.pluginPath
Path to the plugin download directory (needs to be writeable). Seems this needs to end with node_modules, as Homebridge will run npm on the parent directory.

Type: string

Default:

```
"/var/lib/homebridge/node_modules"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/homebridge.nix>

services.homebridge.settings
Configuration options for homebridge.

For more details, see **the homebridge documentation**.

Type: open submodule of (JSON value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/homebridge.nix>

services.homebridge.settings.accessories
Homebridge Accessories

Type: list of (open submodule of (JSON value))

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/homebridge.nix>

services.homebridge.settings.accessories.*.accessory
Accessory type

Type: string

Declared by:
<nixpkgs/nixos/modules/services/home−automation/homebridge.nix>

services.homebridge.settings.accessories.*.name
Name of the accessory

Type: string

Declared by:
<nixpkgs/nixos/modules/services/home−automation/homebridge.nix>

services.homebridge.settings.bridge.name
Name of the homebridge

Type: string

Default:

```
"Homebridge"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/homebridge.nix>

services.homebridge.settings.bridge.port
The port homebridge listens on

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
51826
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/homebridge.nix>

services.homebridge.settings.description
Description of the homebridge instance.

Type: string *(read only)*

Default:

```
"Homebridge"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/homebridge.nix>

services.homebridge.settings.platforms
Homebridge Platforms

Type: list of (open submodule of (JSON value))

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/homebridge.nix>

services.homebridge.settings.platforms.*.name
Name of the platform

Type: string

Declared by:
<nixpkgs/nixos/modules/services/home−automation/homebridge.nix>

services.homebridge.settings.platforms.*.platform
Platform type

Type: string

Declared by:
<nixpkgs/nixos/modules/services/home−automation/homebridge.nix>

services.homebridge.uiSettings
Configuration options for homebridge config UI plugin.

For more details, see **the homebridge−config−ui−x documentation**.

Type: open submodule of (JSON value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/homebridge.nix>

services.homebridge.uiSettings.log.method
Method to use for logging

Type: string *(read only)*

Default:

```
"systemd"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/homebridge.nix>

services.homebridge.uiSettings.log.service
Name of the systemd service to log to

Type: string *(read only)*

Default:

```
"homebridge"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/homebridge.nix>

services.homebridge.uiSettings.name
Name of the homebridge UI platform

Type: string *(read only)*

Default:

```
"Config"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/homebridge.nix>

services.homebridge.uiSettings.platform
Type of the homebridge UI platform

Type: string *(read only)*

Default:

```
"config"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/homebridge.nix>

services.homebridge.uiSettings.port
The port the UI web service should listen on

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8581
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/homebridge.nix>

services.homebridge.uiSettings.restart
Command to restart the homebridge UI service

Type: string *(read only)*

Default:

```
"sudo -n systemctl restart homebridge"
```

Declared by:
<nixpkgs/nixos/modules/services/home-automation/homebridge.nix>

services.homebridge.user
User to run homebridge as.

Type: string

Default:

```
"homebridge"
```

Declared by:
<nixpkgs/nixos/modules/services/home-automation/homebridge.nix>

services.homebridge.userStoragePath
Path to store homebridge user files (needs to be writeable).

Type: string

Default:

```
"/var/lib/homebridge"
```

Declared by:
<nixpkgs/nixos/modules/services/home-automation/homebridge.nix>

services.homed.enable
Whether to enable systemd home area/user account manager.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/homed.nix>

services.homed.promptOnFirstBoot
Whether to enable interactively prompting for user creation on first boot .

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/homed.nix>

services.homed.settings.Home
Options for systemd-homed. See **homed.conf**(5) man page for available options.

Type: open submodule of attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  DefaultFileSystemType = "btrfs";
  DefaultStorage = "luks";
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/homed.nix>

services.homepage−dashboard.enable
Whether to enable Homepage Dashboard, a highly customizable application dashboard.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/homepage−dashboard.nix>

services.homepage−dashboard.package
The homepage−dashboard package to use.

Type: package

Default:

```
pkgs.homepage−dashboard
```

Declared by:
<nixpkgs/nixos/modules/services/misc/homepage−dashboard.nix>

services.homepage−dashboard.allowedHosts
Hosts that homepage−dashboard will be running under. You will want to change this in order to acess homepage from anything other than localhost. see the upsream documentation:

https://gethomepage.dev/installation/#homepage_allowed_hosts

Type: string

Default:

```
"localhost:8082,127.0.0.1:8082"
```

Example:

```
"example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/homepage−dashboard.nix>

services.homepage−dashboard.bookmarks
Homepage bookmarks configuration.

See **https://gethomepage.dev/configs/bookmarks/**.

Type: YAML 1.1 value

Default:

```
[ ]
```

Example:

```
[
  {
```

```
      Developer = [
        {
          Github = [
            {
              abbr = "GH";
              href = "https://github.com/";
            }
          ];
        }
      ];
    }
    {
      Entertainment = [
        {
          YouTube = [
            {
              abbr = "YT";
              href = "https://youtube.com/";
            }
          ];
        }
      ];
    }
  ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/homepage-dashboard.nix>

services.homepage-dashboard.customCSS
Custom CSS for styling Homepage.

See **https://gethomepage.dev/configs/custom-css-js/**.

Type: strings concatenated with "\n"

Default:
`""`

Declared by:
<nixpkgs/nixos/modules/services/misc/homepage-dashboard.nix>

services.homepage-dashboard.customJS
Custom Javascript for Homepage.

See **https://gethomepage.dev/configs/custom-css-js/**.

Type: strings concatenated with "\n"

Default:
`""`

Declared by:
<nixpkgs/nixos/modules/services/misc/homepage-dashboard.nix>

services.homepage−dashboard.docker
Homepage docker configuration.

See **https://gethomepage.dev/configs/docker/**.

Type: YAML 1.1 value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/homepage−dashboard.nix>

services.homepage−dashboard.environmentFiles
A list of paths to environment files that contain environment variables to pass to the homepage−dashboard service, for the purpose of passing secrets to the service.

See the upstream documentation:

https://gethomepage.dev/installation/docker/#using−environment−secrets

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/homepage−dashboard.nix>

services.homepage−dashboard.kubernetes
Homepage kubernetes configuration.

See **https://gethomepage.dev/configs/kubernetes/**.

Type: YAML 1.1 value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/homepage−dashboard.nix>

services.homepage−dashboard.listenPort
Port for Homepage to bind to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8082
```

Declared by:
<nixpkgs/nixos/modules/services/misc/homepage−dashboard.nix>

services.homepage−dashboard.openFirewall
Open ports in the firewall for Homepage.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/homepage−dashboard.nix>

services.homepage-dashboard.proxmox

Homepage proxmox configuration.

See **https://gethomepage.dev/configs/proxmox/**.

Type: YAML 1.1 value

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/misc/homepage-dashboard.nix>

services.homepage-dashboard.services

Homepage services configuration.

See **https://gethomepage.dev/configs/services/**.

Type: YAML 1.1 value

Default:

```
[ ]
```

Example:

```
[
  {
    "My First Group" = [
      {
        "My First Service" = {
          description = "Homepage is awesome";
          href = "http://localhost/";
        };
      }
    ];
  }
  {
    "My Second Group" = [
      {
        "My Second Service" = {
          description = "Homepage is the best";
          href = "http://localhost/";
        };
      }
    ];
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/misc/homepage-dashboard.nix>

services.homepage-dashboard.settings

Homepage settings.

See **https://gethomepage.dev/configs/settings/**.

Type: YAML 1.1 value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/homepage−dashboard.nix>

services.homepage−dashboard.widgets
Homepage widgets configuration.

See **https://gethomepage.dev/widgets/**.

Type: YAML 1.1 value

Default:

```
[ ]
```

Example:

```
[
  {
    resources = {
      cpu = true;
      disk = "/";
      memory = true;
    };
  }
  {
    search = {
      provider = "duckduckgo";
      target = "_blank";
    };
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/homepage−dashboard.nix>

services.homer.enable
Whether to enable A dead simple static HOMepage for your servER to keep your services on hand, from a simple yaml configuration file. .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/homer.nix>

services.homer.package
The homer package to use.

Type: package

Default:

```
pkgs.homer
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/homer.nix>

services.homer.settings

Settings serialized into *config.yml* before build. If left empty, the default configuration shipped with the package will be used instead. For more information, see the **official documentation**.

Note that the full configuration will be written to the nix store as world readable, which may include secrets such as **api−keys**.

To add files such as icons or backgrounds, you can reference them in line such as

```
icon = "${./icon.png}";
```

This will add the file to the nix store upon build, referencing it by file path as expected by Homer.

Type: YAML 1.1 value

Default:

```
{ }
```

Example:

```
  {
    title = "App dashboard";
    subtitle = "Homer";
    logo = "assets/logo.png";
    header = true;
    footer = ''' 
      <p>Created with <span class="has−text−danger">♥</span> wit \
h
      <a href="https://bulma.io/">bulma</a>,
      <a href="https://vuejs.org/">vuejs</a> &
      <a href="https://fontawesome.com/">font awesome</a> //
      Fork me on <a href="https://github.com/bastienwirtz/homer">
      <i class="fab fa−github−alt"></i></a></p>
    ''';
    columns = "3";
    connectivityCheck = true;

    proxy = {
      useCredentials = false;
      headers = {
        Test = "Example";
        Test1 = "Example1";
      };
    };

    defaults = {
      layout = "columns";
      colorTheme = "auto";
    };

    theme = "default";

    message = {
      style = "is−warning";
      title = "Optional message!";
      icon = "fa fa−exclamation−triangle";
      content = "Lorem ipsum dolor sit amet, consectetur adipiscing \
```

```
elit.";
   };

   links = [
     {
       name = "Link 1";
       icon = "fab fa-github";
       url = "https://github.com/bastienwirtz/homer";
       target = "_blank";
     }
     {
       name = "link 2";
       icon = "fas fa-book";
       url = "https://github.com/bastienwirtz/homer";
     }
   ];

   services = [
     {
       name = "Application";
       icon = "fas fa-code-branch";
       items = [
         {
           name = "Awesome app";
           logo = "assets/tools/sample.png";
           subtitle = "Bookmark example";
           tag = "app";
           keywords = "self hosted reddit";
           url = "https://www.reddit.com/r/selfhosted/";
           target = "_blank";
         }
         {
           name = "Another one";
           logo = "assets/tools/sample2.png";
           subtitle = "Another application";
           tag = "app";
           tagstyle = "is-success";
           url = "#";
         }
       ];
     }
     {
       name = "Other group";
       icon = "fas fa-heartbeat";
       items = [
         {
           name = "Pi-hole";
           logo = "assets/tools/sample.png";
           tag = "other";
           url = "http://192.168.0.151/admin";
           type = "PiHole";
           target = "_blank";
         }
```

```
            ];
          }
        ];
      }
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/homer.nix>

services.homer.virtualHost.caddy.enable
Whether to enable a virtualhost to serve homer through caddy.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/homer.nix>

services.homer.virtualHost.domain
Domain to use for the virtual host.

This can be used to change nginx options like

```
services.nginx.virtualHosts."$\{config.services.homer.virtualHost. \
domain}".listen = [ ... ]
```

or

```
services.nginx.virtualHosts."example.com".listen = [ ... ]
```

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web-apps/homer.nix>

services.homer.virtualHost.nginx.enable
Whether to enable a virtualhost to serve homer through nginx.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/homer.nix>

services.honk.enable
Whether to enable the Honk server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/honk.nix>

services.honk.package
The honk package to use.

Type: package

Default:

```
pkgs.honk
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/honk.nix>

services.honk.extraCSS
An extra CSS file to be loaded by the client.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/honk.nix>

services.honk.extraJS
An extra JavaScript file to be loaded by the client.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/honk.nix>

services.honk.host
The host name or IP address the server should listen to.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/honk.nix>

services.honk.passwordFile
Password for admin account. NOTE: Should be string not a store path, to prevent the password from being world readable

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/web−apps/honk.nix>

services.honk.port
The port the server should listen to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/honk.nix>

services.honk.servername
The server name.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/honk.nix>

services.honk.username
The admin account username.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/honk.nix>

services.hoogle.enable
Whether to enable Haskell documentation server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/development/hoogle.nix>

services.hoogle.packages
The Haskell packages to generate documentation for.

The option value is a function that takes the package set specified in the *haskellPackages* option as its sole parameter and returns a list of packages.

Type: function that evaluates to a(n) list of package

Default:

```
hp: []
```

Example:

```
hp: with hp; [ text lens ]
```

Declared by:
<nixpkgs/nixos/modules/services/development/hoogle.nix>

services.hoogle.extraOptions
Additional command−line arguments to pass to **hoogle server**

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "−−no−security−headers"
]
```

Declared by:
<nixpkgs/nixos/modules/services/development/hoogle.nix>

services.hoogle.haskellPackages
Which haskell package set to use.

Type: attribute set

Default:

```
pkgs.haskellPackages
```

Declared by:
<nixpkgs/nixos/modules/services/development/hoogle.nix>

services.hoogle.home
Url for hoogle logo

Type: string

Default:

```
"https://hoogle.haskell.org"
```

Declared by:
<nixpkgs/nixos/modules/services/development/hoogle.nix>

services.hoogle.host
Set the host to bind on.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/development/hoogle.nix>

services.hoogle.port
Port number Hoogle will be listening to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/development/hoogle.nix>

services.hostapd.enable
Whether to enable hostapd, a user space daemon for access point and authentication servers. It implements IEEE 802.11 access point management, IEEE 802.1X/WPA/WPA2/EAP Authenticators, RADIUS client, EAP server, and RADIUS authentication server .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.package
The hostapd package to use.

Type: package

Default:

```
pkgs.hostapd
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios
This option allows you to define APs for one or multiple physical radios. At least one radio must be specified.

For each radio, hostapd requires a separate logical interface (like wlp3s0, wlp3s1, …). A default interface is usually be created automatically by your system, but to use multiple radios of a single device, it may be required to create additional logical interfaces for example by using **networking.wlanInterfaces**.

Each physical radio can only support a single hardware−mode that is configured via (**services.hostapd.radios.<radio>.band**). To create a dual−band or tri−band AP, you will have to use a device that has multiple physical radios and supports configuring multiple APs (Refer to valid interface combinations in **iw list**).

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  # Simple 2.4GHz AP
  wlp2s0 = {
    # countryCode = "US";
    networks.wlp2s0 = {
      ssid = "AP 1";
      authentication.saePasswords = [{ passwordFile = "/run/secrets \
/my−password"; }];
    };
  };
  # WiFi 5 (5GHz) with two advertised networks
  wlp3s0 = {
    band = "5g";
    channel = 0; # Enable automatic channel selection (ACS). Use on \
ly if your hardware supports it.
    # countryCode = "US";
    networks.wlp3s0 = {
      ssid = "My AP";
      authentication.saePasswords = [{ passwordFile = "/run/secrets \
/my−password"; }];
    };
    networks.wlp3s0−1 = {
      ssid = "Open AP with WiFi5";
      authentication.mode = "none";
    };
```

```
    };
    # Legacy WPA2 example
    wlp4s0 = {
      # countryCode = "US";
      networks.wlp4s0 = {
        ssid = "AP 2";
        authentication = {
          mode = "wpa2-sha256";
          wpaPassword = "a flakey password"; # Use wpaPasswordFile if \
 possible.
        };
      };
    };
  }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.band

Specifies the frequency band to use, possible values are 2g for 2.4 GHz, 5g for 5 GHz, 6g for 6 GHz and 60g for 60 GHz.

Type: one of “2g”, “5g”, “6g”, “60g”

Default:

```
"2g"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.channel

The channel to operate on. Use 0 to enable ACS (Automatic Channel Selection). Beware that not every device supports ACS in which case **hostapd** will fail to start.

Type: unsigned integer, meaning >=0

Default:

Example:

```
11
```

Declared by:

<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.countryCode

Country code (ISO/IEC 3166−1). Used to set regulatory domain. Set as needed to indicate country in which device is operating. This can limit available channels and transmit power. These two octets are used as the first two octets of the Country String (dot11CountryString).

Setting this will force you to also enable IEEE 802.11d and IEEE 802.11h.

IEEE 802.11d: This advertises the countryCode and the set of allowed channels and transmit power levels based on the regulatory limits.

IEEE802.11h: This enables radar detection and DFS (Dynamic Frequency Selection) support if available. DFS support is required on outdoor 5 GHz channels in most countries of the world.

Type: null or string

Default:

```
null
```

Example:

```
"US"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.driver

The driver **hostapd** will use. *nl80211* is used with all Linux mac80211 drivers. *none* is used if building a standalone RADIUS server that does not control any wireless/wired driver. Most applications will probably use the default.

Type: string

Default:

```
"nl80211"
```

Example:

```
"none"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.dynamicConfigScripts

All of these scripts will be executed in lexicographical order before hostapd is started, right after the global segment was generated and may dynamically append global options the generated configuration file.

The first argument will point to the configuration file that you may append to.

Type: attribute set of absolute path

Default:

```
{ }
```

Example:

```
{
  exampleDynamicConfig = pkgs.writeShellScript "dynamic-config" ''
    HOSTAPD_CONFIG=$1
    cat >> "$HOSTAPD_CONFIG" << EOF
    # Add some dynamically generated statements here,
    # for example based on the physical adapter in use
    EOF
  '';
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.networks

This defines a BSS, colloquially known as a WiFi network. You have to specify at least one.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  wlp2s0 = {
    ssid = "Primary advertised network";
```

```
      authentication.saePasswords = [{ passwordFile = "/run/secrets/m \
    y-password"; }];
    };
    wlp2s0-1 = {
      ssid = "Secondary advertised network (Open)";
      authentication.mode = "none";
    };
  }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.networks.<name>.apIsolate
Isolate traffic between stations (clients) and prevent them from communicating with each other.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.networks.<name>.authentication.enableRecommendedPairwiseCiphers
Additionally enable the recommended set of pairwise ciphers. This enables newer secure ciphers, additionally to those defined in **pairwiseCiphers**. You will have to test whether your hardware supports these by trial−and−error, because even if ‘iw list’ indicates hardware support, your driver might not expose it.

Beware **hostapd** will most likely not return a useful error message in case this is enabled despite the driver or hardware not supporting the newer ciphers. Look out for messages like ‘Failed to set beacon parameters’.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.networks.<name>.authentication.mode
Selects the authentication mode for this AP.

- *"none"*: Don’t configure any authentication. This will disable wpa alltogether and create an open AP. Use **settings** together with this option if you want to configure the authentication manually. Any password options will still be effective, if set.
- *"wpa2−sha1"*: Not recommended. WPA2−Personal using HMAC−SHA1. Passwords are set using **wpaPassword** or preferably by **wpaPasswordFile** or **wpaPskFile**.
- *"wpa2−sha256"*: WPA2−Personal using HMAC−SHA256 (IEEE 802.11i/RSN). Passwords are set using **wpaPassword** or preferably by **wpaPasswordFile** or **wpaPskFile**.
- *"wpa3−sae−transition"*: Use WPA3−Personal (SAE) if possible, otherwise fallback to WPA2−SHA256. Only use if necessary and switch to the newer WPA3−SAE when possible. You will have to specify both **wpaPassword** and **saePasswords** (or one of their alternatives).
- *"wpa3−sae"*: Use WPA3−Personal (SAE). This is currently the recommended way to setup a secured WiFi AP (as of March 2023) and therefore the default. Passwords are set using either **saePasswords** or **saePasswordsFile**.

Type: one of “none”, “wpa2−sha1”, “wpa2−sha256”, “wpa3−sae−transition”, “wpa3−sae”

Default:

```
"wpa3-sae"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.networks.<name>.authentication.pairwiseCiphers
Set of accepted cipher suites (encryption algorithms) for pairwise keys (unicast packets). By default this allows just CCMP, which is the only commonly supported secure option. Use **enableRecommendedPairwiseCiphers** to also enable newer recommended ciphers.

Please refer to the hostapd documentation for allowed values. Generally, only CCMP or GCMP modes should be considered safe options. Most devices support CCMP while GCMP and GCMP−256 is often only available with devices supporting WiFi 5 (IEEE 802.11ac) or higher. CCMP−256 support is rare.

Type: list of string

Default:

```
[
  "CCMP"
]
```

Example:

```
[
  "GCMP"
  "GCMP-256"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.networks.<name>.authentication.saeAddToMacAllow
If set, all sae password entries that have a non−wildcard MAC associated to them will additionally be used to populate the MAC allow list. This is additional to any entries set via **macAllow** or **macAllowFile**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.networks.<name>.authentication.saePasswords
Sets allowed passwords for WPA3−SAE.

The last matching (based on peer MAC address and identifier) entry is used to select which password to use. An empty string has the special meaning of removing all previously added entries.

Warning: These entries will get put into a world−readable file in the Nix store! Using **saePasswordFile** instead is recommended.

Not used when **mode** is *"wpa2−sha1"* or *"wpa2−sha256"*.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  # Any client may use these passwords
  { password = "Wi-Figure it out"; }
  { passwordFile = "/run/secrets/my-password-file"; mac = "ff:ff: \
ff:ff:ff:ff"; }
  # Only the client with MAC-address 11:22:33:44:55:66 can use thi \
s password
  { password = "sekret pazzword"; mac = "11:22:33:44:55:66"; }
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.networks.<name>.authentication.saePasswords.*.id

If this attribute is given with non-zero length, it will set the password identifier for this entry. It can then only be used with that identifier.

Type: null or string

Default:

```
null
```

Example:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.networks.<name>.authentication.saePasswords.*.mac

If this attribute is not included, or if is set to the wildcard address ('ff:ff:ff:ff:ff:ff'), the entry is available for any station (client) to use. If a specific peer MAC address is included, only a station with that MAC address is allowed to use the entry.

Type: null or string

Default:

```
null
```

Example:

```
"11:22:33:44:55:66"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.networks.<name>.authentication.saePasswords.*.password

The password for this entry. SAE technically imposes no restrictions on password length or character set. But due to limitations of **hostapd**'s config file format, a true newline character cannot be parsed.

Warning: This password will get put into a world-readable file in the Nix store! Prefer using the sibling option **passwordFile** or directly set **saePasswordsFile**.

Type: null or string

Default:

```
null
```

Example:

```
"a flakey password"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.networks.<name>.authentication.saePasswords.*.passwordFile
The password for this entry, read from the given file when starting hostapd. SAE technically imposes no restrictions on password length or character set. But due to limitations of **hostapd**'s config file format, a true newline character cannot be parsed.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.networks.<name>.authentication.saePasswords.*.pk
If this attribute is given, SAE−PK will be enabled for this connection. This prevents evil−twin attacks, but a public key is required additionally to connect. (Essentially adds pubkey authentication such that the client can verify identity of the AP)

Type: null or string

Default:

```
null
```

Example:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.networks.<name>.authentication.saePasswords.*.vlanid
If this attribute is given, all clients using this entry will get tagged with the given VLAN ID.

Type: null or (unsigned integer, meaning >=0)

Default:

```
null
```

Example:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.networks.<name>.authentication.saePasswordsFile
Sets the password for WPA3−SAE. Follows the same rules as **saePasswords**, but reads the entries from the given file to prevent them from being put into the Nix store.

One entry per line, empty lines and lines beginning with # will be ignored. Each line must match the following format, although the order of optional parameters doesn't matter: '<password>[|mac=<peer mac>][|vlanid=<VLAN ID>][|pk=<m:ECPrivateKey−base64>][|id=<identifier>]'

Not used when **mode** is *"wpa2−sha1"* or *"wpa2−sha256"*.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.networks.<name>.authentication.wpaPassword
Sets the password for WPA−PSK that will be converted to the pre−shared key. The password length must be in the range [8, 63] characters. While some devices may allow arbitrary characters (such as UTF−8) to be used, but the standard specifies that each character in the passphrase must be an ASCII character in the range [0x20, 0x7e] (IEEE Std. 802.11i−2004, Annex H.4.1). Use emojis at your own risk.

Not used when **mode** is *"wpa3−sae"*.

Warning: This password will get put into a world−readable file in the Nix store! Using **wpaPasswordFile** or **wpaPskFile** instead is recommended.

Type: null or string

Default:

```
null
```

Example:

```
"a flakey password"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.networks.<name>.authentication.wpaPasswordFile
Sets the password for WPA−PSK. Follows the same rules as **wpaPassword**, but reads the password from the given file to prevent the password from being put into the Nix store.

Not used when **mode** is *"wpa3−sae"*.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.networks.<name>.authentication.wpaPskFile
Sets the password(s) for WPA−PSK. Similar to **wpaPasswordFile**, but additionally allows specifying multiple passwords, and some other options.

Each line, except for empty lines and lines starting with #, must contain a MAC address and either a 64−hex−digit PSK or a password separated with a space. The password must follow the same rules as outlined in **wpaPassword**. The special MAC address ‘00:00:00:00:00:00’ can be used to configure PSKs that any client can use.

An optional key identifier can be added by prefixing the line with ‘keyid=<keyid_string>’ An optional VLAN ID can be specified by prefixing the line with ‘vlanid=<VLAN ID>’. An optional WPS tag can be added by prefixing the line with ‘wps=<0/1>’ (default: 0). Any matching entry with that tag will be used when generating a PSK for a WPS Enrollee instead of generating a new random per−Enrollee PSK.

Not used when **mode** is *"wpa3−sae"*.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.networks.<name>.bssid
Specifies the BSSID for this BSS. Usually determined automatically, but for now you have to manually specify them when using multiple BSS. Try assigning related addresses from the locally administered MAC address ranges, by reusing the hardware address but replacing the second nibble with 2, 6, A or E. (e.g. if real address is 'XX:XX:XX:XX:XX', try 'X2:XX:XX:XX:XX:XX', 'X6:XX:XX:XX:XX:XX', … for the second, third, … BSS)

Type: null or string

Default:

```
null
```

Example:

```
"11:22:33:44:55:66"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.networks.<name>.dynamicConfigScripts
All of these scripts will be executed in lexicographical order before hostapd is started, right after the bss segment was generated and may dynamically append bss options to the generated configuration file.

The first argument will point to the configuration file that you may append to. The second and third argument will point to this BSS's MAC allow and MAC deny file respectively.

Type: attribute set of absolute path

Default:

```
{ }
```

Example:

```
{
  exampleDynamicConfig = pkgs.writeShellScript "dynamic-config" ''
    HOSTAPD_CONFIG=$1
    # These always exist, but may or may not be used depending on t \
he actual configuration
    MAC_ALLOW_FILE=$2
    MAC_DENY_FILE=$3
    cat >> "$HOSTAPD_CONFIG" << EOF
    # Add some dynamically generated statements here
    EOF
  '';
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.networks.<name>.group
Members of this group can access the control socket for this interface.

Type: string

Default:

```
"wheel"
```

Example:

```
"network"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.networks.<name>.ignoreBroadcastSsid
Send empty SSID in beacons and ignore probe request frames that do not specify full SSID, i.e., require stations to know SSID. Note that this does not increase security, since your clients will then broadcast the SSID instead, which can increase congestion.

- *"disabled"*: Advertise ssid normally.
- *"empty"*: send empty (length=0) SSID in beacon and ignore probe request for broadcast SSID
- *"clear"*: clear SSID (ASCII 0), but keep the original length (this may be required with some legacy clients that do not support empty SSID) and ignore probe requests for broadcast SSID. Only use this if empty does not work with your clients.

Type: one of “disabled”, “empty”, “clear”

Default:

```
"disabled"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.networks.<name>.logLevel
Levels (minimum value for logged events): 0 = verbose debugging 1 = debugging 2 = informational messages 3 = notification 4 = warning

Type: integer between 0 and 4 (both inclusive)

Default:

```
2
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.networks.<name>.macAcl
Station MAC address −based authentication. The following modes are available:

- *"deny"*: Allow unless listed in **macDeny** (default)
- *"allow"*: Deny unless listed in **macAllow**
- *"radius"*: Use external radius server, but check both **macAllow** and **macDeny** first

Please note that this kind of access control requires a driver that uses hostapd to take care of management frame processing and as such, this can be used with driver=hostap or driver=nl80211, but not with driver=atheros.

Type: one of “deny”, “allow”, “radius”

Default:

```
"deny"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.networks.<name>.macAllow
Specifies the MAC addresses to allow if **macAcl** is set to *"allow"* or *"radius"*. These values will be world−readable in the Nix store. Values will automatically be merged with **macAllowFile** if necessary.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "11:22:33:44:55:66"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.networks.<name>.macAllowFile
Specifies a file containing the MAC addresses to allow if **macAcl** is set to *"allow"* or *"radius"*. The file should contain exactly one MAC address per line. Comments and empty lines are ignored, only lines starting with a valid MAC address will be considered (e.g. '11:22:33:44:55:66') and any content after the MAC address is ignored.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.networks.<name>.macDeny
Specifies the MAC addresses to deny if **macAcl** is set to *"deny"* or *"radius"*. These values will be world−readable in the Nix store. Values will automatically be merged with **macDenyFile** if necessary.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "11:22:33:44:55:66"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.networks.<name>.macDenyFile
Specifies a file containing the MAC addresses to deny if **macAcl** is set to *"deny"* or *"radius"*. The file should contain exactly one MAC address per line. Comments and empty lines are ignored, only lines starting with a valid MAC address will be considered (e.g. '11:22:33:44:55:66') and any content after the MAC address is ignored.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.networks.<name>.settings
Extra configuration options to put at the end of this BSS's defintion in the hostapd.conf for the associated interface. To find out which options are global and which are per−bss you have to read hostapd's source code, which is non−trivial and not documented otherwise.

Lists will be converted to multiple definitions of the same key, and booleans to 0/1. Otherwise, the inputs are not modified or checked for correctness.

Type: open submodule of attribute set of (atom (bool, int or string) or a list of them for duplicate keys)

Default:

```
{ }
```

Example:

```
{
  multi_ap = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.networks.<name>.ssid
SSID to be used in IEEE 802.11 management frames.

Type: string

Example:

```
"☸ cool ☸"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.networks.<name>.utf8Ssid
Whether the SSID is to be interpreted using UTF−8 encoding.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.noScan
Disables scan for overlapping BSSs in HT40+/− mode. Caution: turning this on will likely violate regulatory requirements!

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.settings
Extra configuration options to put at the end of global initialization, before defining BSSs. To find out which options are global and which are per−bss you have to read hostapd's source code, which is non−trivial and not documented otherwise.

Lists will be converted to multiple definitions of the same key, and booleans to 0/1. Otherwise, the inputs are not modified or checked for correctness.

Type: open submodule of attribute set of (atom (bool, int or string) or a list of them for duplicate keys)

Default:

```
{ }
```

Example:

```
{
  acs_exclude_dfs = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.wifi4.enable
Enables support for IEEE 802.11n (WiFi 4, HT). This is enabled by default, since the vase majority of devices are expected to support this.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.wifi4.capabilities
HT (High Throughput) capabilities given as a list of flags. Please refer to the hostapd documentation for allowed values and only set values supported by your physical adapter.

The default contains common values supported by most adapters.

Type: list of string

Default:

```
[
  "HT40"
  "SHORT-GI-20"
  "SHORT-GI-40"
]
```

Example:

```
[
  "LDPC"
  "HT40+"
  "HT40-"
  "GF"
  "SHORT-GI-20"
  "SHORT-GI-40"
  "TX-STBC"
  "RX-STBC1"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.wifi4.require
Require stations (clients) to support WiFi 4 (HT) and disassociate them if they don’t.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.wifi5.enable

Enables support for IEEE 802.11ac (WiFi 5, VHT)

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.wifi5.capabilities

VHT (Very High Throughput) capabilities given as a list of flags. Please refer to the hostapd documentation for allowed values and only set values supported by your physical adapter.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "SHORT-GI-80"
  "TX-STBC-2BY1"
  "RX-STBC-1"
  "RX-ANTENNA-PATTERN"
  "TX-ANTENNA-PATTERN"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.wifi5.operatingChannelWidth

Determines the operating channel width for VHT.

- *"20or40"*: 20 or 40 MHz operating channel width
- *"80"*: 80 MHz channel width
- *"160"*: 160 MHz channel width
- *"80+80"*: 80+80 MHz channel width

Type: one of “20or40”, “80”, “160”, “80+80”

Default:

```
"20or40"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.wifi5.require

Require stations (clients) to support WiFi 5 (VHT) and disassociate them if they don’t.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.wifi6.enable
Enables support for IEEE 802.11ax (WiFi 6, HE)

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.wifi6.multiUserBeamformer
HE multi user beamformee support

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.wifi6.operatingChannelWidth
Determines the operating channel width for HE.

- *"20or40"*: 20 or 40 MHz operating channel width
- *"80"*: 80 MHz channel width
- *"160"*: 160 MHz channel width
- *"80+80"*: 80+80 MHz channel width

Type: one of “20or40”, “80”, “160”, “80+80”

Default:

```
"20or40"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.wifi6.require
Require stations (clients) to support WiFi 6 (HE) and disassociate them if they don’t.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.wifi6.singleUserBeamformee
HE single user beamformee support

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.wifi6.singleUserBeamformer
HE single user beamformer support

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.wifi7.enable
Enables support for IEEE 802.11be (WiFi 7, EHT). This is currently experimental and requires you to manually enable CONFIG_IEEE80211BE when building hostapd.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.wifi7.multiUserBeamformer
EHT multi user beamformee support

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.wifi7.operatingChannelWidth
Determines the operating channel width for EHT.

- *"20or40"*: 20 or 40 MHz operating channel width
- *"80"*: 80 MHz channel width
- *"160"*: 160 MHz channel width
- *"80+80"*: 80+80 MHz channel width

Type: one of “20or40”, “80”, “160”, “80+80”

Default:

```
"20or40"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.wifi7.singleUserBeamformee
EHT single user beamformee support

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hostapd.radios.<name>.wifi7.singleUserBeamformer
EHT single user beamformer support

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hostapd.nix>

services.hound.enable
Whether to enable hound.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/search/hound.nix>

services.hound.package
The hound package to use.

Type: package

Default:

```
pkgs.hound
```

Declared by:
<nixpkgs/nixos/modules/services/search/hound.nix>

services.hound.group
Group the hound daemon should execute under.

Type: string

Default:

```
"hound"
```

Declared by:
<nixpkgs/nixos/modules/services/search/hound.nix>

services.hound.home
The path to use as hound's $HOME. If the default user "hound" is configured then this is the home of the "hound" user.

Type: absolute path

Default:

```
"/var/lib/hound"
```

Declared by:
<nixpkgs/nixos/modules/services/search/hound.nix>

services.hound.listen

Listen on this [IP]:port

Type: string

Default:

```
"0.0.0.0:6080"
```

Example:

```
":6080"
```

Declared by:

<nixpkgs/nixos/modules/services/search/hound.nix>

services.hound.settings

The full configuration of the Hound daemon. See the upstream documentation **https://github.com/hound-search/hound/blob/main/docs/config-options.md** for details.

Note

The 'dbpath' should be an absolute path to a writable directory. :::.com/hound-search/hound/blob/main/docs/config-options.md>.

Type: JSON value

Default:

```
null
```

Example:

```
{
  max-concurrent-indexers = 2;
  repos.nixpkgs.url = "https://www.github.com/NixOS/nixpkgs.git";
}
```

Declared by:

<nixpkgs/nixos/modules/services/search/hound.nix>

services.hound.user

User the hound daemon should execute under.

Type: string

Default:

```
"hound"
```

Declared by:

<nixpkgs/nixos/modules/services/search/hound.nix>

services.howdy.enable

Whether to enable Howdy and its PAM module for face recognition. See 'services.linux-enable-ir-emitter' for enabling the IR emitter support.

Caution

Howdy is not a safe alternative to unlocking with your password. It can be fooled using a well-printed photo.

Do **not** use it as the sole authentication method for your system.

Note

By default, the **config.services.howdy.control** option is set to '"required"', meaning it will act as a second-factor authentication in most services. To change this, set the option to '"sufficient"'.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/howdy>

services.howdy.package
The howdy package to use.

Type: package

Default:

```
pkgs.howdy
```

Declared by:
<nixpkgs/nixos/modules/services/security/howdy>

services.howdy.control
PAM control flag to use for Howdy.

Sets the **security.pam.howdy.control** option.

Refer to **pam.conf**(5) for options.

Type: string

Default:

```
"required"
```

Declared by:
<nixpkgs/nixos/modules/services/security/howdy>

services.howdy.settings
Howdy configuration file. Refer to **https://github.com/boltgolt/howdy/blob/d3ab99382f88f043d15f15c1450ab69433892a1c/howdy/src/config.ini** for options.

Type: attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{
  core = {
    abort_if_lid_closed = true;
    abort_if_ssh = true;
    detection_notice = false;
    disabled = false;
    no_confirmation = false;
    suppress_unknown = false;
    timeout_notice = true;
    use_cnn = false;
    workaround = "off";
  };
  debug = {
    end_report = false;
    gtk_stdout = false;
    verbose_stamps = false;
  };
  rubberstamps = {
```

```
      enabled = false;
      stamp_rules = "nod            5s          failsafe     min_distance=12";
    };
    snapshots = {
      save_failed = false;
      save_successful = false;
    };
    video = {
      certainty = 3.5;
      dark_threshold = 60;
      device_format = "v4l2";
      device_fps = -1;
      device_path = "/dev/video2";
      exposure = -1;
      force_mjpeg = false;
      frame_height = -1;
      frame_width = -1;
      max_height = 320;
      recording_plugin = "opencv";
      rotate = 0;
      timeout = 4;
      warn_no_device = true;
    };
  }
```

Declared by:

<nixpkgs/nixos/modules/services/security/howdy>

services.hqplayerd.enable

Whether to enable HQPlayer Embedded.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/audio/hqplayerd.nix>

services.hqplayerd.auth.password

Password used for HQPlayer’s WebUI.

Without this you will need to manually create the credentials after first start by going to http://your.ip/8088/auth

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/audio/hqplayerd.nix>

services.hqplayerd.auth.username

Username used for HQPlayer's WebUI.

Without this you will need to manually create the credentials after first start by going to http://your.ip/8088/auth

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/audio/hqplayerd.nix>

services.hqplayerd.config

HQplayer daemon configuration, written to /etc/hqplayer/hqplayerd.xml.

Refer to share/doc/hqplayerd/readme.txt in the hqplayerd derivation for possible values.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/audio/hqplayerd.nix>

services.hqplayerd.licenseFile

Path to the HQPlayer license key file.

Without this, the service will run in trial mode and restart every 30 minutes.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/audio/hqplayerd.nix>

services.hqplayerd.openFirewall

Opens ports needed for the WebUI and controller API.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/audio/hqplayerd.nix>

services.htpdate.enable

Enable htpdate daemon.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/htpdate.nix>

services.htpdate.extraOptions

Additional command line arguments to pass to htpdate.

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/networking/htpdate.nix>

services.htpdate.proxy

HTTP proxy used for requests.

Type: string

Default:

```
""
```

Example:

```
"127.0.0.1:8118"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/htpdate.nix>

services.htpdate.servers

HTTP servers to use for time synchronization.

Type: list of string

Default:

```
[
  "www.google.com"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/htpdate.nix>

services.httpd.enable

Whether to enable the Apache HTTP Server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.enableMellon

Whether to enable the mod_auth_mellon module.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.enablePHP
Whether to enable the PHP module.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.enablePerl
Whether to enable the Perl module (mod_perl).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.package
The apacheHttpd package to use.

Type: package

Default:

```
pkgs.apacheHttpd
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.adminAddr
E−mail address of the server administrator.

Type: null or string

Default:

```
null
```

Example:

```
"admin@example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.configFile
Override the configuration file used by Apache. By default, NixOS generates one automatically.

Type: absolute path

Default:

```
confFile
```

Example:

```
pkgs.writeText "httpd.conf" "# my custom config file ..."
```

Declared by:

<nixpkgs/nixos/modules/services/web-servers/apache-httpd/default.nix>

services.httpd.customLogFormat

Defines a custom Apache HTTPD access log format string.

This option is only consulted when 'logFormat' is set to 'custom'. The value must be a valid Apache 'LogFormat' specification and will be registered under the symbolic name 'custom'.

See **https://httpd.apache.org/docs/2.4/logs.html#formats** for the formal definition of log format directives.

Type: string

Default:

```
null
```

Example:

```
"%{X-Forwarded-For}i %l %u %t \\\"%r\\\" %>s %b"
```

Declared by:

<nixpkgs/nixos/modules/services/web-servers/apache-httpd/default.nix>

services.httpd.extraConfig

Configuration lines appended to the generated Apache configuration file. Note that this mechanism will not work when **configFile** is overridden.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/web-servers/apache-httpd/default.nix>

services.httpd.extraModules

Additional Apache modules to be used. These can be specified as a string in the case of modules distributed with Apache, or as an attribute set specifying the *name* and *path* of the module.

Type: list of unspecified value

Default:

```
[ ]
```

Example:

```
[
  "proxy_connect"
  { name = "jk"; path = "${pkgs.apacheHttpdPackages.mod_jk}/modules \
/mod_jk.so"; }
]
```

Declared by:

<nixpkgs/nixos/modules/services/web-servers/apache-httpd/default.nix>

services.httpd.group

Group under which httpd children processes run.

Type: string

Default:

```
"wwwrun"
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.logDir

Directory for Apache's log files. It is created automatically.

Type: absolute path

Default:

```
"/var/log/httpd"
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.logFormat

Selects the access log format written to log files.

The values 'combined', 'common', 'referer', and 'agent' correspond to predefined Apache HTTPD log formats. Setting the value to 'custom' enables the use of a user−defined format string specified via 'customLogFormat'. The value 'none' disables access logging entirely.

Further details on Apache log formats are available at **https://httpd.apache.org/docs/2.4/logs.html**.

Type: one of "combined", "common", "referer", "agent", "custom", "none"

Default:

```
"common"
```

Example:

```
"custom"
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.logLevel

Controls the verbosity of the ErrorLog. See **https://httpd.apache.org/docs/2.4/mod/core.html#loglevel** for more details.

Type: null or one of "emerg", "alert", "crit", "error", "warn", "notice", "info", "debug", "trace1", "trace2", "trace3", "trace4", "trace5", "trace6", "trace7", "trace8"

Default:

```
"notice"
```

Example:

```
"crit"
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.logPerVirtualHost

If enabled, each virtual host gets its own *access.log* and *error.log*, namely suffixed by the **hostName** of the virtual host.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.maxClients

Maximum number of httpd processes (prefork)

Type: positive integer, meaning >0

Default:

```
150
```

Example:

```
8
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.maxRequestsPerChild

Maximum number of httpd requests answered per httpd child (prefork), 0 means unlimited.

Type: unsigned integer, meaning >=0

Default:

Example:

```
500
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.mpm

Multi−processing module to be used by Apache. Available modules are ‘prefork’ (handles each request in a separate child process), ‘worker’ (hybrid approach that starts a number of child processes each running a number of threads) and ‘event’ (the default; a recent variant of ‘worker’ that handles persistent connections more efficiently).

Type: one of “event”, “prefork”, “worker”

Default:

```
"event"
```

Example:

```
"worker"
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.phpOptions

Options appended to the PHP configuration file *php.ini*.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
date.timezone = "CET"
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/apache-httpd/default.nix>

services.httpd.phpPackage
The php package to use.

Type: package

Default:

```
pkgs.php
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/apache-httpd/default.nix>

services.httpd.sslCiphers
Cipher Suite available for negotiation in SSL proxy handshake.

Type: string

Default:

```
"HIGH:!aNULL:!MD5:!EXP"
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/apache-httpd/default.nix>

services.httpd.sslProtocols
Allowed SSL/TLS protocol versions.

Type: string

Default:

```
"All -SSLv2 -SSLv3 -TLSv1 -TLSv1.1"
```

Example:

```
"All -SSLv2 -SSLv3"
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/apache-httpd/default.nix>

services.httpd.user
User account under which httpd children processes run.

If you require the main httpd process to run as ‘root’ add the following configuration:

```
systemd.services.httpd.serviceConfig.User = lib.mkForce "root";
```

Type: string

Default:

```
"wwwrun"
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/apache-httpd/default.nix>

services.httpd.virtualHosts
Specification of the virtual hosts served by Apache. Each element should be an attribute set specifying the configuration of the virtual host.

Type: attribute set of (submodule)

Default:

```
{
  localhost = {
    documentRoot = "${package.out}/htdocs";
  };
}
```

Example:

```
{
  "foo.example.com" = {
    forceSSL = true;
    documentRoot = "/var/www/foo.example.com"
  };
  "bar.example.com" = {
    addSSL = true;
    documentRoot = "/var/www/bar.example.com";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.virtualHosts.<name>.enableACME
Whether to ask Let’s Encrypt to sign a certificate for this vhost. Alternately, you can use an existing certificate through **useACMEHost**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.virtualHosts.<name>.enableUserDir
Whether to enable serving *~/public_html* as ‘/~«username»’.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.virtualHosts.<name>.acmeRoot
Directory for the acme challenge which is PUBLIC, don’t put certs or keys in here. Set to null to inherit from config.security.acme.

Type: null or string

Default:

```
"/var/lib/acme/acme−challenge"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.virtualHosts.<name>.addSSL

Whether to enable HTTPS in addition to plain HTTP. This will set defaults for 'listen' to listen on all interfaces on the respective default ports (80, 443).

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.virtualHosts.<name>.adminAddr

E−mail address of the server administrator.

Type: null or string

Default:

```
null
```

Example:

```
"admin@example.org"
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.virtualHosts.<name>.documentRoot

The path of Apache's document root directory. If left undefined, an empty directory in the Nix store will be used as root.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/data/webserver/docs"
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.virtualHosts.<name>.extraConfig

These lines go to httpd.conf verbatim. They will go after directories and directory aliases defined by default.

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
<Directory /home>
  Options FollowSymlinks
  AllowOverride All
</Directory>
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.virtualHosts.<name>.forceSSL

Whether to add a separate nginx server block that permanently redirects (301) all plain HTTP traffic to HTTPS. This will set defaults for 'listen' to listen on all interfaces on the respective default ports (80, 443), where the non−SSL listens are used for the redirect vhosts.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.virtualHosts.<name>.globalRedirect

If set, all requests for this host are redirected permanently to the given URL.

Type: null or string

Default:

```
null
```

Example:

```
"http://newserver.example.org/"
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.virtualHosts.<name>.hostName

Canonical hostname for the server.

Type: string

Default:

```
"‹name›"
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.virtualHosts.<name>.http2

Whether to enable HTTP 2. HTTP/2 is supported in all multi−processing modules that come with httpd. *However, if you use the prefork mpm, there will be severe restrictions.* Refer to **https://httpd.apache.org/docs/2.4/howto/http2.html#mpm−config** for details.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.virtualHosts.<name>.listen

Listen addresses and ports for this virtual host.

Note

This option overrides 'addSSL', 'forceSSL' and 'onlySSL'.

If you only want to set the addresses manually and not the ports, take a look at 'listenAddresses'.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    ip = "195.154.1.1";
    port = 443;
    ssl = true;
  }
  {
    ip = "192.154.1.1";
    port = 80;
  }
  {
    ip = "*";
    port = 8080;
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.virtualHosts.<name>.listen.*.ip
IP to listen on. 0.0.0.0 for IPv4 only, * for all.

Type: string

Default:

```
"*"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.virtualHosts.<name>.listen.*.port
Port to listen on

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Declared by:
<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.virtualHosts.<name>.listen.*.ssl
Whether to enable SSL (https) support.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.virtualHosts.<name>.listenAddresses
Listen addresses for this virtual host. Compared to ‘listen’ this only sets the addresses and the ports are chosen automatically.

Type: non−empty (list of string)

Default:

```
[
  "*"
]
```

Example:

```
[
  "127.0.0.1"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.virtualHosts.<name>.locations
Declarative location config. See **https://httpd.apache.org/docs/2.4/mod/core.html#location** for details.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "/" = {
    proxyPass = "http://localhost:3000";
  };
  "/foo/bar.png" = {
    alias = "/home/eelco/some−file.png";
  };
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.virtualHosts.<name>.locations.<name>.alias
Alias directory for requests. See **https://httpd.apache.org/docs/2.4/mod/mod_alias.html#alias**.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/alias/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.virtualHosts.<name>.locations.<name>.extraConfig
These lines go to the end of the location verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.virtualHosts.<name>.locations.<name>.index
Adds DirectoryIndex directive. See **https://httpd.apache.org/docs/2.4/mod/mod_dir.html#directoryindex**.

Type: null or string

Default:

```
null
```

Example:

```
"index.php index.html"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.virtualHosts.<name>.locations.<name>.priority
Order of this location block in relation to the others in the vhost. The semantics are the same as with 'lib.mkOrder'. Smaller values have a greater priority.

Type: signed integer

Default:

```
1000
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.virtualHosts.<name>.locations.<name>.proxyPass
Sets up a simple reverse proxy as described by **https://httpd.apache.org/docs/2.4/howto/reverse_proxy.html#simple**.

Type: null or string

Default:

```
null
```

Example:

```
"http://www.example.org/"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.virtualHosts.<name>.logFormat
Log format for Apache's log files. Possible values are: combined, common, referer, agent.

Type: string

Default:

```
"common"
```

Example:

```
"combined"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.virtualHosts.<name>.onlySSL
Whether to enable HTTPS and reject plain HTTP connections. This will set defaults for 'listen' to listen on all interfaces on port 443.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.virtualHosts.<name>.robotsEntries

Specification of pages to be ignored by web crawlers. See **http://www.robotstxt.org/** for details.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
"Disallow: /foo/"
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.virtualHosts.<name>.servedDirs

This option provides a simple way to serve static directories.

Type: list of (attribute set)

Default:

```
[ ]
```

Example:

```
[
  {
    dir = "/home/eelco/Dev/nix−homepage";
    urlPath = "/nix";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.virtualHosts.<name>.servedFiles

This option provides a simple way to serve individual, static files.

Note

This option has been deprecated and will be removed in a future version of NixOS. You can achieve the same result by making use of the ‘locations.<name>.alias’ option.

Type: list of (attribute set)

Default:

```
[ ]
```

Example:

```
[
  {
    file = "/home/eelco/some−file.png";
    urlPath = "/foo/bar.png";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.virtualHosts.<name>.serverAliases

Additional names of virtual hosts served by this virtual host configuration.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
  "www.example.org:8080"
  "example.org"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.virtualHosts.<name>.sslServerCert

Path to server SSL certificate.

Type: absolute path

Example:

```
"/var/host.cert"
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.virtualHosts.<name>.sslServerChain

Path to server SSL chain file.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/ca.pem"
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.virtualHosts.<name>.sslServerKey

Path to server SSL certificate key.

Type: absolute path

Example:

```
"/var/host.key"
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

services.httpd.virtualHosts.<name>.useACMEHost

A host of an existing Let’s Encrypt certificate to use. This is useful if you have many subdomains and want to avoid hitting the **rate limit**. Alternately, you can generate a certificate through **enableACME**. *Note that this option does not create any certificates, nor it does add subdomains to existing ones – you will need to create them manually using* **security.acme.certs**[2].

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/apache−httpd/default.nix>

2. see the **security.acme.certs** option

services.https−dns−proxy.enable
Whether to enable https−dns−proxy daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/https−dns−proxy.nix>

services.https−dns−proxy.address
The address on which to listen

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/https−dns−proxy.nix>

services.https−dns−proxy.extraArgs
Additional arguments to pass to the process.

Type: list of string

Default:

```
[
  "−v"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/https−dns−proxy.nix>

services.https−dns−proxy.port
The port on which to listen

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5053
```

Declared by:
<nixpkgs/nixos/modules/services/networking/https−dns−proxy.nix>

services.https−dns−proxy.preferIPv4
https_dns_proxy will by default use IPv6 and fail if it is not available. To play it safe, we choose IPv4.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/https−dns−proxy.nix>

services.https−dns−proxy.provider.ips
The custom provider IPs

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/https−dns−proxy.nix>

services.https−dns−proxy.provider.kind
The upstream provider to use or custom in case you do not trust any of the predefined providers or just want to use your own.

The default is quad9 and there are privacy and security trade−offs when using any upstream provider. Please consider that before using any of them.

Supported providers: cloudflare, custom, google, opendns, quad9

If you pick the custom provider, you will need to provide the bootstrap IP addresses as well as the resolver https URL.

Type: one of “cloudflare”, “custom”, “google”, “opendns”, “quad9”

Default:

```
"quad9"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/https−dns−proxy.nix>

services.https−dns−proxy.provider.url
The custom provider URL

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/https−dns−proxy.nix>

services.hydra.enable
Whether to run Hydra services.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/hydra/default.nix>

services.hydra.package
The hydra package to use.

Type: package

Default:

```
pkgs.hydra
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/hydra/default.nix>

services.hydra.buildMachinesFiles

List of files containing build machines.

Type: list of absolute path

Default:

```
lib.optional (config.nix.buildMachines != []) "/etc/nix/machines"
```

Example:

```
[
  "/etc/nix/machines"
  "/var/lib/hydra/provisioner/machines"
]
```

Declared by:

<nixpkgs/nixos/modules/services/continuous−integration/hydra/default.nix>

services.hydra.dbi

The DBI string for Hydra database connection.

NOTE: Attempts to set ‘application_name’ will be overridden by ‘hydra−TYPE’ (where TYPE is e.g. ‘evaluator’, ‘queue−runner’, etc.) in all hydra services to more easily distinguish where queries are coming from.

Type: string

Default:

```
"dbi:Pg:dbname=hydra;user=hydra;"
```

Example:

```
"dbi:Pg:dbname=hydra;host=postgres.example.org;user=foo;"
```

Declared by:

<nixpkgs/nixos/modules/services/continuous−integration/hydra/default.nix>

services.hydra.debugServer

Whether to run the server in debug mode.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/continuous−integration/hydra/default.nix>

services.hydra.extraConfig

Extra lines for the Hydra configuration.

Type: strings concatenated with “\n”

Declared by:

<nixpkgs/nixos/modules/services/continuous−integration/hydra/default.nix>

services.hydra.extraEnv

Extra environment variables for Hydra.

Type: attribute set of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/hydra/default.nix>

services.hydra.gcRootsDir
Directory that holds Hydra garbage collector roots.

Type: absolute path

Default:

```
"/nix/var/nix/gcroots/hydra"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/hydra/default.nix>

services.hydra.hydraURL
The base URL for the Hydra webserver instance. Used for links in emails.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/hydra/default.nix>

services.hydra.listenHost
The hostname or address to listen on or ‘*’ to listen on all interfaces.

Type: string

Default:

```
"*"
```

Example:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/hydra/default.nix>

services.hydra.logo
Path to a file containing the logo of your Hydra instance.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/hydra/default.nix>

services.hydra.maxServers
Maximum number of starman workers to spawn.

Type: signed integer

Default:

```
25
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/hydra/default.nix>

services.hydra.maxSpareServers
Maximum number of spare starman workers to keep.

Type: signed integer

Default:

```
5
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/hydra/default.nix>

services.hydra.minSpareServers
Minimum number of spare starman workers to keep.

Type: signed integer

Default:

```
4
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/hydra/default.nix>

services.hydra.minimumDiskFree
Threshold of minimum disk space (GiB) to determine if the queue runner should run or not.

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/hydra/default.nix>

services.hydra.minimumDiskFreeEvaluator
Threshold of minimum disk space (GiB) to determine if the evaluator should run or not.

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/hydra/default.nix>

services.hydra.notificationSender
Sender email address used for email notifications.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/hydra/default.nix>

services.hydra.port
TCP port the web server should listen to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/hydra/default.nix>

services.hydra.smtpHost
Hostname of the SMTP server to use to send email.

Type: null or string

Default:

```
null
```

Example:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/hydra/default.nix>

services.hydra.tracker
Piece of HTML that is included on all pages.

Type: string

Default:
```
""
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/hydra/default.nix>

services.hydra.useSubstitutes
Whether to use binary caches for downloading store paths. Note that binary substitutions trigger (a potentially large number of) additional HTTP requests that slow down the queue monitor thread significantly. Also, this Hydra instance will serve those downloaded store paths to its users with its own signature attached as if it had built them itself, so don't enable this feature unless your active binary caches are absolute trustworthy.

Type: boolean

Default:
```
false
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/hydra/default.nix>

services.hylafax.enable
Whether to enable HylaFAX server.

Type: boolean

Default:
```
false
```

Example:
```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hylafax/options.nix>

services.hylafax.package
The HylaFAX package to use.

Type: package

Default:
```
pkgs.hylafaxplus
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hylafax/options.nix>

services.hylafax.areaCode
Area code for server and all modems.

Type: null or non−empty string

Default:
```
null
```

Example:

```
"30"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/hylafax/options.nix>

services.hylafax.autostart

Autostart the HylaFAX queue manager at system start. If this is ‘false’, the queue manager will still be started if there are pending jobs or if a user tries to connect to it.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/hylafax/options.nix>

services.hylafax.commonModemConfig

Attribute set of default values for modem config files *etc/config.**. Values can be either strings or integers (which will be added to the config file verbatimly) or lists thereof (which will be translated to multiple lines with the same configuration key). Boolean values are translated to “Yes” or “No”. The default contains some reasonable configuration to yield an operational system.

Think twice before changing paths of fax−processing scripts.

Type: attribute set of ((list of ((string or signed integer convertible to it) or boolean convertible to it)) or ((string or signed integer convertible to it) or boolean convertible to it) convertible to it)

Default:

```
{ }
```

Example:

```
{
  InternationalPrefix = "00";
  LongDistancePrefix = "0";
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/hylafax/options.nix>

services.hylafax.countryCode

Country code for server and all modems.

Type: null or non−empty string

Default:

```
null
```

Example:

```
"49"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/hylafax/options.nix>

services.hylafax.faxcron.enable.frequency

purging old files from the spooling area with *faxcron* with the given frequency (see **systemd.time**(7))

Type: null or non−empty string

Default:

```
null
```

Example:

```
"daily"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/hylafax/options.nix>

services.hylafax.faxcron.enable.spoolInit

Whether to enable purging old files from the spooling area with *faxcron* each time the spooling area is initialized .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/hylafax/options.nix>

services.hylafax.faxcron.infoDays

Set the expiration time for data in the remote machine information directory in days.

Type: positive integer, meaning >0

Default:

```
30
```

Declared by:

<nixpkgs/nixos/modules/services/networking/hylafax/options.nix>

services.hylafax.faxcron.logDays

Set the expiration time for session trace log files in days.

Type: positive integer, meaning >0

Default:

```
30
```

Declared by:

<nixpkgs/nixos/modules/services/networking/hylafax/options.nix>

services.hylafax.faxcron.rcvDays

Set the expiration time for files in the received facsimile queue in days.

Type: positive integer, meaning >0

Default:

```
7
```

Declared by:

<nixpkgs/nixos/modules/services/networking/hylafax/options.nix>

services.hylafax.faxqConfig

Attribute set of lines for the global faxq config file *etc/config*. Values can be either strings or integers (which will be added to the config file verbatimly) or lists thereof (which will be translated to multiple lines with the same configuration key). Boolean values are translated to “Yes” or “No”. The default contains some reasonable configuration to yield an operational system.

Type: attribute set of ((list of ((string or signed integer convertible to it) or boolean convertible to it)) or ((string or signed integer convertible to it) or boolean convertible to it) convertible to it)

Default:

```
{ }
```

Example:

```
{
  InternationalPrefix = "00";
  LongDistancePrefix = "0";
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/hylafax/options.nix>

services.hylafax.faxqclean.enable.frequency

Purge old files from the spooling area with *faxcron* with the given frequency (see **systemd.time**(7)).

Type: null or non−empty string

Default:

```
null
```

Example:

```
"daily"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/hylafax/options.nix>

services.hylafax.faxqclean.enable.spoolInit

Whether to enable purging old files from the spooling area with *faxqclean* each time the spooling area is initialized .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/hylafax/options.nix>

services.hylafax.faxqclean.archiving

Enable or suppress job archiving: ‘never’ disables job archiving, ‘as−flagged’ archives jobs that have been flagged for archiving by sendfax, ‘always’ forces archiving of all jobs. See also **sendfax**(1) and **faxqclean**(8).

Type: one of “never”, “as−flagged”, “always”

Default:

```
"as-flagged"
```

Example:

```
"always"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hylafax/options.nix>

services.hylafax.faxqclean.docqMinutes
Set the document age threshold (in minutes) that controls how long unreferenced files may reside in the docq directory.

Type: positive integer, meaning >0

Default:

```
60
```

Example:

```
24*60
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hylafax/options.nix>

services.hylafax.faxqclean.doneqMinutes
Set the job age threshold (in minutes) that controls how long jobs may reside in the doneq directory.

Type: positive integer, meaning >0

Default:

```
15
```

Example:

```
24*60
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hylafax/options.nix>

services.hylafax.hfaxdConfig
Attribute set of lines for the global hfaxd config file *etc/hfaxd.conf*. Values can be either strings or integers (which will be added to the config file verbatimly) or lists thereof (which will be translated to multiple lines with the same configuration key). Boolean values are translated to “Yes” or “No”. The default contains some reasonable configuration to yield an operational system.

Type: attribute set of ((list of ((string or signed integer convertible to it) or boolean convertible to it)) or ((string or signed integer convertible to it) or boolean convertible to it) convertible to it)

Default:

```
{ }
```

Example:

```
{
  RecvqProtection = "0400";
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hylafax/options.nix>

services.hylafax.internationalPrefix
International prefix for server and all modems.

Type: null or string

Default:

```
null
```

Example:

```
"00"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hylafax/options.nix>

services.hylafax.longDistancePrefix
Long distance prefix for server and all modems.

Type: null or string

Default:

```
null
```

Example:

```
"0"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hylafax/options.nix>

services.hylafax.modems
Description of installed modems. At least on modem must be defined to enable the HylaFAX server.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  ttyS1 = {
    config = {
      FAXNumber = "123456";
      LocalIdentifier = "Smith";
    };
    type = "cirrus";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hylafax/options.nix>

services.hylafax.modems.<name>.config
Attribute set of values for the given modem. Values can be either strings or integers (which will be added to the config file verbatimly) or lists thereof (which will be translated to multiple lines with the same configuration key). Boolean values are translated to “Yes” or “No”. The default contains some reasonable configuration to yield an operational system.

Options defined here override options in **commonModemConfig** for this modem.

Type: attribute set of ((list of ((string or signed integer convertible to it) or boolean convertible to it)) or ((string or signed integer convertible to it) or boolean convertible to it) convertible to it)

Default:

```
{ }
```

Example:

```
{
  AreaCode = "49";
  FAXNumber = "123456";
```

```
    LocalCode = "30";
    LocalIdentifier = "LostInBerlin";
  }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hylafax/options.nix>

services.hylafax.modems.<name>.name
Name of modem device, will be searched for in */dev*.

Type: non−empty string

Example:

```
"ttyS1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hylafax/options.nix>

services.hylafax.modems.<name>.type
Name of modem configuration file, will be searched for in *config* in the spooling area directory.

Type: non−empty string

Example:

```
"cirrus"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hylafax/options.nix>

services.hylafax.sendmailPath
Path to *sendmail* program. The default uses the local sendmail wrapper (see **config.services.mail.sendmailSetuidWrapper**), otherwise the *false* binary to cause an error if used.

Type: absolute path

Example:

```
lib.getExe' config.services.postfix.package "sendmail"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hylafax/options.nix>

services.hylafax.spoolAreaPath
The spooling area will be created/maintained at the location given here.

Type: absolute path

Default:

```
"/var/spool/fax"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hylafax/options.nix>

services.hylafax.spoolExtraInit
Additional shell code that is executed within the spooling area directory right after its setup.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
"chmod 0755 .  # everyone may read my faxes"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hylafax/options.nix>

services.hylafax.userAccessFile
The *hosts.hfaxd* file entry in the spooling area will be symlinked to the location given here. This file must exist and be readable only by the 'uucp' user. See **hosts.hfaxd**(5) for details. This configuration permits access for all users:

```
environment.etc."hosts.hfaxd" = {
  mode = "0600";
  user = "uucp";
  text = ".*";
};
```

Note that host−based access can be controlled with **config.systemd.sockets.hylafax−hfaxd.listenStreams**; by default, only 127.0.0.1 is permitted to connect.

Type: absolute path

Default:

```
"/etc/hosts.hfaxd"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/hylafax/options.nix>

services.hypridle.enable
Whether to enable hypridle, Hyprland's idle daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/wayland/hypridle.nix>

services.hypridle.package
The hypridle package to use.

Type: package

Default:

```
pkgs.hypridle
```

Declared by:
<nixpkgs/nixos/modules/services/wayland/hypridle.nix>

services.hyprwhspr−rs.enable
Whether to enable hyprwhspr−rs.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/hyprwhspr−rs.nix>

services.hyprwhspr−rs.package
The hyprwhspr−rs package to use.

Type: package

Default:

```
pkgs.hyprwhspr−rs
```

Declared by:
<nixpkgs/nixos/modules/services/misc/hyprwhspr−rs.nix>

services.hyprwhspr−rs.environmentFile
File containing API keys (GROQ_API_KEY, GEMINI_API_KEY) for remote transcription.

Type: null or string

Default:

```
null
```

Example:

```
"/path/to/hyprwhspr_secret_file"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/hyprwhspr−rs.nix>

services.i2p.enable
Whether to enable I2P router.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2p.nix>

services.i2pd.enable
Enables I2Pd as a running service upon activation. Please read **https://i2pd.readthedocs.io/en/latest/** for further configuration help.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.enableIPv4

Whether to enable IPv4 connectivity.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.enableIPv6

Whether to enable IPv6 connectivity.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.package

The i2pd package to use.

Type: package

Default:

```
pkgs.i2pd
```

Declared by:

<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.address

Your external IP or hostname.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.addressbook.defaulturl

AddressBook subscription URL for initial setup

Type: string

Default:

```
"http://joajgazyztfssty4w2on5oaqksz6tqoxbduy553y34mf4byv6gpq.b32.i2 \
p/export/alive-hosts.txt"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.addressbook.subscriptions

AddressBook subscription URLs

Type: list of string

Default:

```
[
  "http://inr.i2p/export/alive-hosts.txt"
  "http://i2p-projekt.i2p/hosts.txt"
  "http://stats.i2p/cgi-bin/newhosts.txt"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.bandwidth

Set a router bandwidth limit integer in KBps. If not set, **i2pd** defaults to 32KBps.

Type: null or signed integer

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.dataDir

Alternative path to storage of i2pd data (RI, keys, peer profiles, …)

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.exploratory.inbound.length

Guaranteed minimum hops for exploratory tunnels.

Type: signed integer

Default:

```
3
```

Declared by:

<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.exploratory.inbound.quantity

Number of simultaneous exploratory tunnels.

Type: signed integer

Default:

```
5
```

Declared by:

<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.exploratory.outbound.length
Guaranteed minimum hops for exploratory tunnels.

Type: signed integer

Default:

```
3
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.exploratory.outbound.quantity
Number of simultaneous exploratory tunnels.

Type: signed integer

Default:

```
5
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.family
Specify a family the router belongs to.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.floodfill
Makes your router a floodfill, that means what other routers will publish and get LeaseSets and RouterInfos on your router.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.ifname
Network interface to bind to.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.ifname4

IPv4 interface to bind to.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.ifname6

IPv6 interface to bind to.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.inTunnels

Serve something on I2P network at port and delegate requests to address inPort.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.inTunnels.<name>.enable

Whether to enable ‹name›.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.inTunnels.<name>.accessList

I2P nodes that are allowed to connect to this service.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.inTunnels.<name>.address
Bind address for ‹name› endpoint.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.inTunnels.<name>.crypto.tagsToSend
Number of ElGamal/AES tags to send.

Type: signed integer

Default:

```
40
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.inTunnels.<name>.inPort
Service port. Default to the tunnel’s listen port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.inTunnels.<name>.inbound.length
Guaranteed minimum hops for ‹name› tunnels.

Type: signed integer

Default:

```
3
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.inTunnels.<name>.inbound.quantity
Number of simultaneous ‹name› tunnels.

Type: signed integer

Default:

```
5
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.inTunnels.<name>.keys
Keyset used for tunnel identity.

Type: string

Default:

```
"‹name›-keys.dat"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.inTunnels.<name>.name
The endpoint name.

Type: string

Default:

```
"‹name›"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.inTunnels.<name>.outbound.length
Guaranteed minimum hops for ‹name› tunnels.

Type: signed integer

Default:

```
3
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.inTunnels.<name>.outbound.quantity
Number of simultaneous ‹name› tunnels.

Type: signed integer

Default:

```
5
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.inTunnels.<name>.port
Bind port for ‹name› endpoint.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.inTunnels.<name>.type
Tunnel type.

Type: one of “server”, “http”, “irc”, “udpserver”

Default:

```
"server"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.limits.coreSize
Maximum size of corefile in Kb (0 − use system limit).

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.limits.ntcpHard
Maximum number of active transit sessions.

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.limits.ntcpSoft
Threshold to start probabalistic backoff with ntcp sessions (default: use system limit).

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.limits.ntcpThreads
Maximum number of threads used by NTCP DH worker.

Type: signed integer

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.limits.openFiles
Maximum number of open files (0 − use system default).

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.limits.transittunnels
Maximum number of active transit sessions.

Type: signed integer

Default:

```
2500
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.logCLFTime
Whether to enable full CLF−formatted date and time to log.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.logLevel
The log level. **i2pd** defaults to “info” but that generates copious amounts of log messages.

We default to “error” which is similar to the default log level of **tor**.

Type: one of “debug”, “info”, “warn”, “error”

Default:

```
"error"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.nat
Whether to enable NAT bypass.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.netid
I2P overlay netid.

Type: signed integer

Default:

```
2
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.notransit
Tells the router to not accept transit tunnels during startup.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.ntcp
Whether to enable ntcp.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.ntcp2.enable
Whether to enable NTCP2.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.ntcp2.port
Port to listen for incoming NTCP2 connections (0=auto).

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.ntcp2.published
Whether to enable NTCP2 publication.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.ntcpProxy
Proxy URL for NTCP transport.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.outTunnels
Connect to someone as a client and establish a local accept endpoint

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.outTunnels.<name>.enable
Whether to enable ‹name›.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.outTunnels.<name>.address
Bind address for ‹name› endpoint.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.outTunnels.<name>.crypto.tagsToSend
Number of ElGamal/AES tags to send.

Type: signed integer

Default:

```
40
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.outTunnels.<name>.destination
Remote endpoint, I2P hostname or b32.i2p address.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.outTunnels.<name>.destinationPort
Connect to particular port at destination.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.outTunnels.<name>.inbound.length
Guaranteed minimum hops for ‹name› tunnels.

Type: signed integer

Default:

```
3
```

Declared by:

<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.outTunnels.<name>.inbound.quantity

Number of simultaneous ‹name› tunnels.

Type: signed integer

Default:

```
5
```

Declared by:

<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.outTunnels.<name>.keys

Keyset used for tunnel identity.

Type: string

Default:

```
"‹name›-keys.dat"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.outTunnels.<name>.name

The endpoint name.

Type: string

Default:

```
"‹name›"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.outTunnels.<name>.outbound.length

Guaranteed minimum hops for ‹name› tunnels.

Type: signed integer

Default:

```
3
```

Declared by:

<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.outTunnels.<name>.outbound.quantity

Number of simultaneous ‹name› tunnels.

Type: signed integer

Default:

```
5
```

Declared by:

<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.outTunnels.<name>.port

Bind port for ‹name› endpoint.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

Declared by:

<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.outTunnels.<name>.type

Tunnel type.

Type: one of “client”, “udpclient”

Default:

```
"client"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.port

I2P listen port. If no one is given the router will pick between 9111 and 30777.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.precomputation.elgamal

Whenever to use precomputated tables for ElGamal. **i2pd** defaults to ‘false’ to save 64M of memory (and looses some performance).

We default to ‘true’ as that is what most users want anyway.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.bob.enable

Whether to enable bob.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.bob.address
Bind address for bob endpoint.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.bob.name
The endpoint name.

Type: string

Default:

```
"bob"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.bob.port
Bind port for bob endpoint.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
2827
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.http.enable
Whether to enable http.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.http.address
Bind address for http endpoint.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.http.auth
Whether to enable webconsole authentication.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.http.hostname
Expected hostname for WebUI.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.http.name
The endpoint name.

Type: string

Default:

```
"http"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.http.pass
Password for webconsole access.

Type: string

Default:

```
"i2pd"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.http.port
Bind port for http endpoint.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
7070
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.http.strictHeaders
Enable strict host checking on WebUI.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.http.user
Username for webconsole access

Type: string

Default:

```
"i2pd"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.httpProxy.enable
Whether to enable httpproxy.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.httpProxy.address
Bind address for httpproxy endpoint.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.httpProxy.inbound.length
Guaranteed minimum hops for httpproxy tunnels.

Type: signed integer

Default:

```
3
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.httpProxy.inbound.quantity
Number of simultaneous httpproxy tunnels.

Type: signed integer

Default:

```
5
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.httpProxy.keys
File to persist HTTPPROXY keys.

Type: null or string

Default:

```
"httpproxy-keys.dat"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.httpProxy.latency.max
Max latency for tunnels.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.httpProxy.latency.min
Min latency for tunnels.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.httpProxy.name
The endpoint name.

Type: string

Default:

```
"httpproxy"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.httpProxy.outbound.length
Guaranteed minimum hops for httpproxy tunnels.

Type: signed integer

Default:

```
3
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.httpProxy.outbound.quantity
Number of simultaneous httpproxy tunnels.

Type: signed integer

Default:

```
5
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.httpProxy.outproxy
Upstream outproxy bind address.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.httpProxy.port
Bind port for httpproxy endpoint.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
4444
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.i2cp.enable
Whether to enable i2cp.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.i2cp.address
Bind address for i2cp endpoint.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.i2cp.name
The endpoint name.

Type: string

Default:

```
"i2cp"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.i2cp.port
Bind port for i2cp endpoint.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
7654
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.i2pControl.enable
Whether to enable i2pcontrol.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.i2pControl.address
Bind address for i2pcontrol endpoint.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.i2pControl.name
The endpoint name.

Type: string

Default:

```
"i2pcontrol"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.i2pControl.port
Bind port for i2pcontrol endpoint.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
7650
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.sam.enable
Whether to enable sam.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.sam.address
Bind address for sam endpoint.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.sam.name
The endpoint name.

Type: string

Default:

```
"sam"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.sam.port
Bind port for sam endpoint.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
7656
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.socksProxy.enable
Whether to enable socksproxy.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.socksProxy.address
Bind address for socksproxy endpoint.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.socksProxy.inbound.length
Guaranteed minimum hops for socksproxy tunnels.

Type: signed integer

Default:

```
3
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.socksProxy.inbound.quantity
Number of simultaneous socksproxy tunnels.

Type: signed integer

Default:

```
5
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.socksProxy.keys
File to persist SOCKSPROXY keys.

Type: null or string

Default:

```
"socksproxy-keys.dat"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.socksProxy.latency.max
Max latency for tunnels.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.socksProxy.latency.min
Min latency for tunnels.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.socksProxy.name
The endpoint name.

Type: string

Default:

```
"socksproxy"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.socksProxy.outbound.length
Guaranteed minimum hops for socksproxy tunnels.

Type: signed integer

Default:

```
3
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.socksProxy.outbound.quantity
Number of simultaneous socksproxy tunnels.

Type: signed integer

Default:

```
5
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.socksProxy.outproxy
Upstream outproxy bind address.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.socksProxy.outproxyEnable
Whether to enable SOCKS outproxy.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.socksProxy.outproxyPort
Upstream outproxy bind port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
4444
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.proto.socksProxy.port
Bind port for socksproxy endpoint.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
4447
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.reseed.file
Full path to SU3 file to reseed from.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.reseed.floodfill
Path to router info of floodfill to reseed from.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.reseed.proxy

URL for reseed proxy, supports http/socks.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.reseed.urls

Reseed URLs.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.reseed.verify

Whether to enable SU3 signature verification.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.reseed.zipfile

Path to local .zip file to reseed from.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.share

Limit of transit traffic from max bandwidth in percents.

Type: signed integer

Default:

```
100
```

Declared by:

<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.ssu

Whether to enable ssu.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.ssu2.enable

Whether to enable SSU2.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.ssu2.port

Port to listen for incoming SSU2 connections (0=auto).

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

Declared by:

<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.ssu2.published

Whether to enable SSU2 publication.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.trust.enable

Whether to enable explicit trust options.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.trust.family
Router Family to trust for first hops.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.trust.hidden
Whether to enable router concealment.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.trust.routers
Only connect to the listed routers.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.upnp.enable
Whether to enable UPnP service discovery.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.upnp.name
Name i2pd appears in UPnP forwardings list.

Type: string

Default:

```
"I2Pd"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.websocket.enable
Whether to enable websockets.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.websocket.address
Bind address for websockets endpoint.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.websocket.name
The endpoint name.

Type: string

Default:

```
"websockets"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.websocket.port
Bind port for websockets endpoint.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
7666
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.yggdrasil.enable
Whether to enable Yggdrasil.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.i2pd.yggdrasil.address
Your local yggdrasil address. Specify it if you want to bind your router to a particular address.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/i2pd.nix>

services.icecast.enable
Whether to enable Icecast server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/audio/icecast.nix>

services.icecast.admin.password
Password used for all administration functions.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/audio/icecast.nix>

services.icecast.admin.user
Username used for all administration functions.

Type: string

Default:

```
"admin"
```

Declared by:
<nixpkgs/nixos/modules/services/audio/icecast.nix>

services.icecast.extraConfig
Extra configuration added to *icecast.xml* inside the ‘<icecast>’ element.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/audio/icecast.nix>

services.icecast.hostname
DNS name or IP address that will be used for the stream directory lookups or possibly the playlist generation if a Host header is not provided.

Type: null or string

Default:

```
config.networking.domain
```

Declared by:
<nixpkgs/nixos/modules/services/audio/icecast.nix>

services.icecast.listen.address
Address Icecast will listen on.

Type: string

Default:

```
"::"
```

Declared by:
<nixpkgs/nixos/modules/services/audio/icecast.nix>

services.icecast.listen.port
TCP port that will be used to accept client connections.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8000
```

Declared by:
<nixpkgs/nixos/modules/services/audio/icecast.nix>

services.icecream.daemon.enable
Whether to enable Icecream Daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/icecream/daemon.nix>

services.icecream.daemon.package
The icecream package to use.

Type: package

Default:

```
pkgs.icecream
```

Declared by:
<nixpkgs/nixos/modules/services/networking/icecream/daemon.nix>

services.icecream.daemon.cacheLimit
Maximum size in Megabytes of cache used to store compile environments of compile clients.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
256
```

Declared by:
<nixpkgs/nixos/modules/services/networking/icecream/daemon.nix>

services.icecream.daemon.extraArgs

Additional command line parameters.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-v"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/icecream/daemon.nix>

services.icecream.daemon.hostname

Hostname of the daemon in the icecream infrastructure.

Uses the hostname retrieved via uname if set to null.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/icecream/daemon.nix>

services.icecream.daemon.maxProcesses

Maximum number of compile jobs started in parallel for this daemon.

Uses the number of CPUs if set to null.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/icecream/daemon.nix>

services.icecream.daemon.netName

Network name to connect to. A scheduler with the same name needs to be running.

Type: string

Default:

```
"ICECREAM"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/icecream/daemon.nix>

services.icecream.daemon.nice

The level of niceness to use.

Type: integer between −20 and 19 (both inclusive)

Default:

```
5
```

Declared by:
<nixpkgs/nixos/modules/services/networking/icecream/daemon.nix>

services.icecream.daemon.noRemote
Prevent jobs from other nodes being scheduled on this daemon.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/icecream/daemon.nix>

services.icecream.daemon.openBroadcast
Whether to automatically open the firewall for scheduler discovery.

Type: boolean

Declared by:
<nixpkgs/nixos/modules/services/networking/icecream/daemon.nix>

services.icecream.daemon.openFirewall
Whether to automatically open receive port in the firewall.

Type: boolean

Declared by:
<nixpkgs/nixos/modules/services/networking/icecream/daemon.nix>

services.icecream.daemon.schedulerHost
Explicit scheduler hostname, useful in firewalled environments.

Uses scheduler autodiscovery via broadcast if set to null.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/icecream/daemon.nix>

services.icecream.daemon.user
User to run the icecream daemon as. Set to root to enable receive of remote compile environments.

Type: string

Default:

```
"icecc"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/icecream/daemon.nix>

services.icecream.scheduler.enable
Whether to enable Icecream Scheduler.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/icecream/scheduler.nix>

services.icecream.scheduler.package
The icecream package to use.

Type: package

Default:

```
pkgs.icecream
```

Declared by:
<nixpkgs/nixos/modules/services/networking/icecream/scheduler.nix>

services.icecream.scheduler.extraArgs
Additional command line parameters

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-v"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/icecream/scheduler.nix>

services.icecream.scheduler.netName
Network name for the icecream scheduler.

Uses the default ICECREAM if null.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/icecream/scheduler.nix>

services.icecream.scheduler.openFirewall
Whether to automatically open the daemon port in the firewall.

Type: boolean

Declared by:
<nixpkgs/nixos/modules/services/networking/icecream/scheduler.nix>

services.icecream.scheduler.openTelnet
Whether to open the telnet TCP port on 8766.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/icecream/scheduler.nix>

services.icecream.scheduler.persistentClientConnection

Whether to prevent clients from connecting to a better scheduler.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/icecream/scheduler.nix>

services.icecream.scheduler.port

Server port to listen for icecream daemon requests.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8765
```

Declared by:

<nixpkgs/nixos/modules/services/networking/icecream/scheduler.nix>

services.icingaweb2.enable

Whether to enable the icingaweb2 web interface.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/icingaweb2/icingaweb2.nix>

services.icingaweb2.authentications

authentication.ini contents. Will automatically be converted to a .ini file.

If the value is null, no authentication.ini is created and you can modify it manually (e.g. via the web interface).

Type: null or (attribute set)

Default:

```
null
```

Example:

```
{
  icingaweb = {
    backend = "db";
    resource = "icingaweb_db";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/icingaweb2/icingaweb2.nix>

services.icingaweb2.generalConfig

config.ini contents. Will automatically be converted to a .ini file. If you don't set global.module_path, the module will take care of it.

If the value is null, no config.ini is created and you can modify it manually (e.g. via the web interface). Note that you need to update module_path manually.

Type: null or (attribute set)

Default:

```
null
```

Example:

```
{
  general = {
    config_resource = "icingaweb_db";
    showStacktraces = 1;
  };
  logging = {
    level = "CRITICAL";
    log = "syslog";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/icingaweb2/icingaweb2.nix>

services.icingaweb2.groupBackends

groups.ini contents. Will automatically be converted to a .ini file.

If the value is null, no groups.ini is created and you can modify it manually (e.g. via the web interface).

Type: null or (attribute set)

Default:

```
null
```

Example:

```
{
  icingaweb = {
    backend = "db";
    resource = "icingaweb_db";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/icingaweb2/icingaweb2.nix>

services.icingaweb2.libraryPaths

Libraries to add to the Icingaweb2 library path. The name of the attribute is the name of the library, the value is the package to add.

Type: attribute set of package

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/icingaweb2/icingaweb2.nix>

services.icingaweb2.modulePackages
Name−package attrset of Icingaweb 2 modules packages to enable.

If you enable modules manually (e.g. via the web ui), they will not be touched.

Type: attribute set of package

Default:

```
{ }
```

Example:

```
{
  "snow" = icingaweb2Modules.theme−snow;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/icingaweb2/icingaweb2.nix>

services.icingaweb2.modules.doc.enable
Whether to enable the icingaweb2 doc module.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/icingaweb2/icingaweb2.nix>

services.icingaweb2.modules.migrate.enable
Whether to enable the icingaweb2 migrate module.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/icingaweb2/icingaweb2.nix>

services.icingaweb2.modules.monitoring.enable
Whether to enable the icingaweb2 monitoring module.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/icingaweb2/module−monitoring.nix>

services.icingaweb2.modules.monitoring.backends
Monitoring backends to define

Type: attribute set of (submodule)

Default:

```
{
  icinga = {
    resource = "icinga_ido";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/icingaweb2/module−monitoring.nix>

services.icingaweb2.modules.monitoring.backends.<name>.disabled
Disable this backend

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/icingaweb2/module−monitoring.nix>

services.icingaweb2.modules.monitoring.backends.<name>.resource
Name of the IDO resource

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/icingaweb2/module−monitoring.nix>

services.icingaweb2.modules.monitoring.generalConfig.mutable
Make config.ini of the monitoring module mutable (e.g. via the web interface).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/icingaweb2/module−monitoring.nix>

services.icingaweb2.modules.monitoring.generalConfig.protectedVars
List of string patterns for custom variables which should be excluded from user’s view.

Type: list of string

Default:

```
[
  "*pw*"
  "*pass*"
  "community"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/icingaweb2/module−monitoring.nix>

services.icingaweb2.modules.monitoring.mutableBackends
Make backends.ini of the monitoring module mutable (e.g. via the web interface).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/icingaweb2/module−monitoring.nix>

services.icingaweb2.modules.monitoring.mutableTransports
Make commandtransports.ini of the monitoring module mutable (e.g. via the web interface).

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/icingaweb2/module−monitoring.nix>

services.icingaweb2.modules.monitoring.transports
Command transports to define

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/icingaweb2/module−monitoring.nix>

services.icingaweb2.modules.monitoring.transports.<name>.host
Host for the api or remote transport

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/icingaweb2/module−monitoring.nix>

services.icingaweb2.modules.monitoring.transports.<name>.instance
Assign a icinga instance to this transport

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/icingaweb2/module−monitoring.nix>

services.icingaweb2.modules.monitoring.transports.<name>.password
Password for the api transport

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/icingaweb2/module−monitoring.nix>

services.icingaweb2.modules.monitoring.transports.<name>.path
Path to the socket for local or remote transports

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/icingaweb2/module−monitoring.nix>

services.icingaweb2.modules.monitoring.transports.<name>.port
Port to connect to for the api or remote transport

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/icingaweb2/module−monitoring.nix>

services.icingaweb2.modules.monitoring.transports.<name>.resource
SSH identity resource for the remote transport

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/icingaweb2/module−monitoring.nix>

services.icingaweb2.modules.monitoring.transports.<name>.type
Type of this transport

Type: one of “api”, “local”, “remote”

Default:

```
"api"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/icingaweb2/module−monitoring.nix>

services.icingaweb2.modules.monitoring.transports.<name>.username
Username for the api or remote transport

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/icingaweb2/module−monitoring.nix>

services.icingaweb2.modules.setup.enable
Whether to enable the icingaweb2 setup module.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/icingaweb2/icingaweb2.nix>

services.icingaweb2.modules.test.enable

Whether to enable the icingaweb2 test module.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/icingaweb2/icingaweb2.nix>

services.icingaweb2.modules.translation.enable

Whether to enable the icingaweb2 translation module.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/icingaweb2/icingaweb2.nix>

services.icingaweb2.pool

Name of existing PHP−FPM pool that is used to run Icingaweb2. If not specified, a pool will automatically created with default values.

Type: string

Default:

```
"icingaweb2"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/icingaweb2/icingaweb2.nix>

services.icingaweb2.resources

resources.ini contents. Will automatically be converted to a .ini file.

If the value is null, no resources.ini is created and you can modify it manually (e.g. via the web interface). Note that if you set passwords here, they will go into the nix store.

Type: null or (attribute set)

Default:

```
null
```

Example:

```
{
  icingaweb_db = {
    db = "mysql";
    dbname = "icingaweb2";
    host = "localhost";
    password = "icingaweb2";
    type = "db";
    username = "icingaweb2";
  };
```

```
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/icingaweb2/icingaweb2.nix>

services.icingaweb2.roles

roles.ini contents. Will automatically be converted to a .ini file.

If the value is null, no roles.ini is created and you can modify it manually (e.g. via the web interface).

Type: null or (attribute set)

Default:

```
null
```

Example:

```
{
  Administrators = {
    permissions = "*";
    users = "admin";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/icingaweb2/icingaweb2.nix>

services.icingaweb2.timezone

PHP−compliant timezone specification

Type: string

Default:

```
"UTC"
```

Example:

```
"Europe/Berlin"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/icingaweb2/icingaweb2.nix>

services.icingaweb2.virtualHost

Name of the nginx virtualhost to use and setup. If null, no virtualhost is set up.

Type: null or string

Default:

```
"icingaweb2"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/icingaweb2/icingaweb2.nix>

services.ifm.enable

Whether to enable Improved file manager, a single−file web−based filemanager

Lightweight and minimal, served using PHP’s built−in server .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/ifm.nix>

services.ifm.dataDir
Directory to serve throught the file managing service

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/ifm.nix>

services.ifm.listenAddress
Address on which the service is listening

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/ifm.nix>

services.ifm.port
Port on which to serve the IFM service

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9090
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/ifm.nix>

services.ifm.settings
Configuration of the IFM service.

See **the documentation** for available options and default values.

Type: attribute set of anything

Default:

```
{ }
```

Example:

```
{
  IFM_GUI_SHOWPATH = 0;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/ifm.nix>

services.ihaskell.enable
Autostart an IHaskell notebook service.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ihaskell.nix>

services.ihaskell.extraPackages
Extra packages available to ghc when running ihaskell. The value must be a function which receives the attrset defined in *haskellPackages* as the sole argument.

Type: function that evaluates to a(n) list of package

Default:

```
haskellPackages: []
```

Example:

```
haskellPackages: [
  haskellPackages.wreq
  haskellPackages.lens
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ihaskell.nix>

services.iio−niri.enable
Whether to enable IIO−Niri.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/iio−niri.nix>

services.iio−niri.package
The iio−niri package to use.

Type: package

Default:

```
pkgs.iio-niri
```

Declared by:
<nixpkgs/nixos/modules/services/misc/iio−niri.nix>

services.iio−niri.extraArgs
Extra arguments to pass to IIO−Niri.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/iio−niri.nix>

services.iio−niri.niriUnit

The Niri **user** service unit to bind IIO−Niri's **user** service unit to.

Type: non−empty string

Default:

```
"niri.service"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/iio−niri.nix>

services.illum.enable

Enable illum, a daemon for controlling screen brightness with brightness buttons.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/illum.nix>

services.imaginary.enable

Whether to enable imaginary image processing microservice.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/imaginary.nix>

services.imaginary.address

Bind address. Corresponds to the '−a' flag. Set to '""' to bind to all addresses.

Type: string

Default:

```
"localhost"
```

Example:

```
"[::1]"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/imaginary.nix>

services.imaginary.port

Bind port. Corresponds to the '−p' flag.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8088
```

Declared by:

<nixpkgs/nixos/modules/services/networking/imaginary.nix>

services.imaginary.settings

Command line arguments passed to the imaginary executable, stripped of the prefix '−'. See upstream's **README** for all options.

Type: open submodule of attribute set of (boolean or signed integer or non−empty (list of string) or string)

Declared by:

<nixpkgs/nixos/modules/services/networking/imaginary.nix>

services.imaginary.settings.return−size

Return the image size in the HTTP headers.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/imaginary.nix>

services.immich.enable

Whether to enable Immich.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/immich.nix>

services.immich.package

The immich package to use.

Type: package

Default:

```
pkgs.immich
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/immich.nix>

services.immich.accelerationDevices

A list of device paths to hardware acceleration devices that immich should have access to. This is useful when transcoding media files. The special value '[ ]' will disallow all devices using 'PrivateDevices'. 'null' will give access to all devices.

Type: null or (list of string)

Default:

```
[ ]
```

Example:

```
[
  "/dev/dri/renderD128"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/immich.nix>

services.immich.database.enable
Whether to enable the postgresql database for use with immich. See **services.postgresql**.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/immich.nix>

services.immich.database.createDB
Whether to enable the automatic creation of the database for immich…

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/immich.nix>

services.immich.database.host
Hostname or address of the postgresql server. If an absolute path is given here, it will be interpreted as a unix socket path.

Type: string

Default:

```
"/run/postgresql"
```

Example:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/immich.nix>

services.immich.database.name
The name of the immich database.

Type: string

Default:

```
"immich"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/immich.nix>

services.immich.database.port

Port of the postgresql server.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5432
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/immich.nix>

services.immich.database.user

The database user for immich.

Type: string

Default:

```
"immich"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/immich.nix>

services.immich.environment

Extra configuration environment variables. Refer to the **documentation** for options tagged with ‘server’, ‘api’ or ‘microservices’.

Type: open submodule of attribute set of string

Default:

```
{ }
```

Example:

```
{
  IMMICH_LOG_LEVEL = "verbose";
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/immich.nix>

services.immich.group

The group immich should run as.

Type: string

Default:

```
"immich"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/immich.nix>

services.immich.host

The host that immich will listen on.

Type: string

Default:

```
"localhost"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/immich.nix>

services.immich.machine−learning.enable

Whether to enable immich's machine−learning functionality to detect faces and search for objects.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/immich.nix>

services.immich.machine−learning.environment

Extra configuration environment variables. Refer to the **documentation** for options tagged with 'machine−learning'.

Type: open submodule of attribute set of string

Default:

```
{ }
```

Example:

```
{
  MACHINE_LEARNING_MODEL_TTL = "600";
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/immich.nix>

services.immich.mediaLocation

Directory used to store media files. If it is not the default, the directory has to be created manually such that the immich user is able to read and write to it.

Type: absolute path

Default:

```
"/var/lib/immich"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/immich.nix>

services.immich.openFirewall

Whether to open the immich port in the firewall

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/immich.nix>

services.immich.port

The port that immich will listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
2283
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/immich.nix>

services.immich.redis.enable
Whether to enable a redis cache for use with immich.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/immich.nix>

services.immich.redis.host
The host that redis will listen on.

Type: string

Default:

```
config.services.redis.servers.immich.unixSocket
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/immich.nix>

services.immich.redis.port
The port that redis will listen on. Set to zero to disable TCP.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

Declared by:
<nixpkgs/nixos/modules/services/web−apps/immich.nix>

services.immich.secretsFile
Path of a file with extra environment variables to be loaded from disk. This file is not added to the nix store, so it can be used to pass secrets to immich. Refer to the **documentation** for options.

To set a database password set this to a file containing:

```
DB_PASSWORD=<pass>
```

Type: null or string

Default:

```
null
```

Example:

```
"/run/secrets/immich"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/immich.nix>

services.immich.settings
Configuration for Immich. See **https://immich.app/docs/install/config−file/** or navigate to **https://my.immich.app/admin/system−settings** for options and defaults. Setting it to ‘null’ allows configuring Immich in the web interface. You can load secret values from a file in this configuration by setting ‘somevalue._secret = "/path/to/file"’ instead of setting ‘somevalue’ directly.

Type: null or (open submodule of (JSON value))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/immich.nix>

services.immich.settings.newVersionCheck.enabled
Check for new versions. This feature relies on periodic communication with github.com.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/immich.nix>

services.immich.settings.server.externalDomain
Domain for publicly shared links, including ‘http(s)://’.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/immich.nix>

services.immich.user
The user immich should run as.

Type: string

Default:

```
"immich"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/immich.nix>

services.immich−kiosk.enable
Whether to enable Immich Kiosk slideshow service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/immich−kiosk.nix>

services.immich−kiosk.package
The immich−kiosk package to use.

Type: package

Default:

```
pkgs.immich−kiosk
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/immich−kiosk.nix>

services.immich−kiosk.openFirewall
Whether to open the firewall for the immich−kiosk port.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/immich−kiosk.nix>

services.immich−kiosk.settings
Configuration for immich−kiosk. See **https://docs.immichkiosk.app/configuration/** for available options. Secret values can be loaded from files using '._secret = "/path/to/secret";'.

Type: open submodule of (JSON value)

Default:

```
{ }
```

Example:

```
{
  immich_url = "https://immich.example.com";
  immich_api_key._secret = "/run/secrets/immich−kiosk−api−key";
  albums = [
    "4fa933cf−051f−4621−9ac7−8d06776c261c"
    "6466548c−4995−4fb5−ab1f−f63cc9ff3e5f"
  ];
  duration = 30;
  layout = "splitview";
  disable_ui = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/immich−kiosk.nix>

services.immich−kiosk.settings.immich_url
URL of the immich instance.

Type: string

Default:

```
config.services.immich.settings.server.externalDomain
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/immich−kiosk.nix>

services.immich−kiosk.settings.kiosk.port
Port on which immich−kiosk will listen.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/immich−kiosk.nix>

services.immich−public−proxy.enable
Whether to enable Immich Public Proxy.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/immich−public−proxy.nix>

services.immich−public−proxy.package
The immich−public−proxy package to use.

Type: package

Default:

```
pkgs.immich−public−proxy
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/immich−public−proxy.nix>

services.immich−public−proxy.immichUrl
URL of the Immich instance

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/immich−public−proxy.nix>

services.immich−public−proxy.openFirewall
Whether to open the IPP port in the firewall

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/immich−public−proxy.nix>

services.immich−public−proxy.port
The port that IPP will listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/immich−public−proxy.nix>

services.immich−public−proxy.settings
Configuration for IPP. See **https://github.com/alangrainger/immich−public−proxy/blob/main/README.md#additional−configuration** for options and defaults.

Type: open submodule of (JSON value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/immich−public−proxy.nix>

services.immichframe.enable
Whether to enable ImmichFrame.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/immichframe.nix>

services.immichframe.package
The immichframe package to use.

Type: package

Default:

```
pkgs.immichframe
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/immichframe.nix>

services.immichframe.port
The port that ImmichFrame will listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/immichframe.nix>

services.immichframe.settings
Configuration for ImmichFrame. See **https://immichframe.online/docs/getting−started/configuration** for options and defaults.

Type: open submodule of (JSON value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/immichframe.nix>

services.immichframe.settings.Accounts
Accounts configuration, multiple are permitted. See **https://immichframe.online/docs/getting−started/configuration**.

Type: list of (open submodule of (JSON value))

Declared by:
<nixpkgs/nixos/modules/services/web−apps/immichframe.nix>

services.immichframe.settings.Accounts.*.ApiKey

API key to talk to the Immich server. Warning: it will be world−readable in /nix/store. Consider using **ApiKeyFile** instead.

See **https://immichframe.online/docs/getting−started/configuration#api−key−permissions** for details on what permissions this key needs.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/immichframe.nix>

services.immichframe.settings.Accounts.*.ApiKeyFile

File containing an API key to talk to the Immich server.

See **https://immichframe.online/docs/getting−started/configuration#api−key−permissions** for details on what permissions this key needs.

Type: null or absolute path not in the Nix store

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/immichframe.nix>

services.immichframe.settings.Accounts.*.ImmichServerUrl

The URL of your Immich server.

Type: string

Example:

```
"http://photos.example.com"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/immichframe.nix>

services.inadyn.enable

Whether to enable synchronise your machine's IP address with a dynamic DNS provider using inadyn .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/inadyn.nix>

services.inadyn.configFile

Configuration file for inadyn.

Setting this will override all other configuration options.

Passed to the inadyn service using LoadCredential.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/inadyn.nix>

services.inadyn.group
Group account under which inadyn runs.

Note
If left as the default value this user will automatically be created on system activation, otherwise you are responsible for ensuring the user exists before the inadyn service starts.

Type: string

Default:

```
"inadyn"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/inadyn.nix>

services.inadyn.interval
How often to check the current IP. Uses the format described in **systemd.time**(7)";

Type: string

Default:

```
"*-*-* *:*:00"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/inadyn.nix>

services.inadyn.logLevel
Set inadyn's log level.

Type: one of "none", "err", "warning", "info", "notice", "debug"

Default:

```
"notice"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/inadyn.nix>

services.inadyn.settings
See 'inadyn.conf (5)'

Type: open submodule of (attribute set)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/inadyn.nix>

services.inadyn.settings.allow-ipv6
Whether to get IPv6 addresses from interfaces.

Type: boolean

Default:

```
config.networking.enableIPv6
```

Declared by:
<nixpkgs/nixos/modules/services/networking/inadyn.nix>

services.inadyn.settings.custom
Settings for custom DNS providers.

Type: attribute set of (open submodule of (attribute set))

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/inadyn.nix>

services.inadyn.settings.custom.<name>.ddns−path
DDNS server path.

See ‘inadnyn.conf (5)’ for a list for format specifiers that can be used.

Type: string

Example:

```
"/update?user=%u&password=%p&domain=%h&myip=%i"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/inadyn.nix>

services.inadyn.settings.custom.<name>.ddns−server
DDNS server name.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/inadyn.nix>

services.inadyn.settings.custom.<name>.hostname
Hostname alias(es).

Type: string or list of string

Default:

```
"*"
```

Example:

```
"your.cool−domain.com"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/inadyn.nix>

services.inadyn.settings.custom.<name>.include
File to include additional settings for this provider from.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/inadyn.nix>

services.inadyn.settings.custom.<name>.password
Password for this DDNS provider.

WARNING: This will be world−readable in the nix store. To store credentials securely, use the ‘include’ or ‘configFile’ options.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/inadyn.nix>

services.inadyn.settings.custom.<name>.ssl
Whether to use HTTPS for this DDNS provider.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/inadyn.nix>

services.inadyn.settings.custom.<name>.username
Username for this DDNS provider.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/inadyn.nix>

services.inadyn.settings.forced−update
Duration (in seconds) after which an update is forced.

Type: positive integer, meaning >0

Default:

```
2592000
```

Declared by:
<nixpkgs/nixos/modules/services/networking/inadyn.nix>

services.inadyn.settings.provider
Settings for DDNS providers built−in to inadyn.

For a list of built−in providers, see ‘inadyn.conf (5)’.

Type: attribute set of (open submodule of (attribute set))

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/inadyn.nix>

services.inadyn.settings.provider.<name>.hostname
Hostname alias(es).

Type: string or list of string

Default:

```
"*"
```

Example:

```
"your.cool-domain.com"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/inadyn.nix>

services.inadyn.settings.provider.<name>.include
File to include additional settings for this provider from.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/inadyn.nix>

services.inadyn.settings.provider.<name>.password
Password for this DDNS provider.

WARNING: This will be world−readable in the nix store. To store credentials securely, use the ‘include’ or ‘configFile’ options.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/inadyn.nix>

services.inadyn.settings.provider.<name>.ssl
Whether to use HTTPS for this DDNS provider.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/inadyn.nix>

services.inadyn.settings.provider.<name>.username
Username for this DDNS provider.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/inadyn.nix>

services.inadyn.user

User account under which inadyn runs.

> **Note**
> If left as the default value this user will automatically be created on system activation, otherwise you are responsible for ensuring the user exists before the inadyn service starts.

Type: string

Default:

```
"inadyn"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/inadyn.nix>

services.incron.enable

Whether to enable the incron daemon.

Note that commands run under incrontab only support common Nix profiles for the **PATH** provided variable.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/incron.nix>

services.incron.allow

Users allowed to use incrontab.

If empty then no user will be allowed to have their own incrontab. If ‘null’ then will defer to **deny**. If both **allow** and **deny** are null then all users will be allowed to have their own incrontab.

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/incron.nix>

services.incron.deny

Users forbidden from using incrontab.

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/incron.nix>

services.incron.extraPackages

Extra packages available to the system incrontab.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.rsync ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/incron.nix>

services.incron.systab
The system incrontab contents.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
/var/mail IN_CLOSE_WRITE abc $@/$#
/tmp IN_ALL_EVENTS efg $@/$# $&
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/incron.nix>

services.infinoted.enable
Whether to enable infinoted.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/editors/infinoted.nix>

services.infinoted.package
The libinfinity package to use.

Type: package

Default:

```
pkgs.libinfinity
```

Declared by:
<nixpkgs/nixos/modules/services/editors/infinoted.nix>

services.infinoted.certificateChain
Chain of CA−certificates to which our ‘certificateFile’ is relative. Optional for TLS.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/editors/infinoted.nix>

services.infinoted.certificateFile
Server certificate to use for TLS

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/editors/infinoted.nix>

services.infinoted.extraConfig
Additional configuration to append to infinoted.conf

Type: strings concatenated with “\n”

Default:

```
[autosave]
interval=10
```

Declared by:
<nixpkgs/nixos/modules/services/editors/infinoted.nix>

services.infinoted.group
What to call the primary group of the dedicated user under which infinoted is run

Type: string

Default:

```
"infinoted"
```

Declared by:
<nixpkgs/nixos/modules/services/editors/infinoted.nix>

services.infinoted.keyFile
Private key to use for TLS

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/editors/infinoted.nix>

services.infinoted.passwordFile
File to read server−wide password from

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/editors/infinoted.nix>

services.infinoted.plugins
Plugins to enable

Type: list of string

Default:

```
[
  "note-text"
  "note-chat"
  "logging"
  "autosave"
]
```

Declared by:
<nixpkgs/nixos/modules/services/editors/infinoted.nix>

services.infinoted.port
Port to listen on

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
6523
```

Declared by:
<nixpkgs/nixos/modules/services/editors/infinoted.nix>

services.infinoted.rootDirectory
Root of the directory structure to serve

Type: absolute path

Default:

```
"/var/lib/infinoted/documents/"
```

Declared by:
<nixpkgs/nixos/modules/services/editors/infinoted.nix>

services.infinoted.securityPolicy
How strictly to enforce clients connection with TLS.

Type: one of “no−tls”, “allow−tls”, “require−tls”

Default:

```
"require-tls"
```

Declared by:
<nixpkgs/nixos/modules/services/editors/infinoted.nix>

services.infinoted.user
What to call the dedicated user under which infinoted is run

Type: string

Default:

```
"infinoted"
```

Declared by:
<nixpkgs/nixos/modules/services/editors/infinoted.nix>

services.influxdb.enable
Whether to enable the influxdb server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/databases/influxdb.nix>

services.influxdb.package
The influxdb package to use.

Type: package

Default:

```
pkgs.influxdb
```

Declared by:
<nixpkgs/nixos/modules/services/databases/influxdb.nix>

services.influxdb.dataDir
Data directory for influxd data files.

Type: absolute path

Default:

```
"/var/db/influxdb"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/influxdb.nix>

services.influxdb.group
Group under which influxdb runs

Type: string

Default:

```
"influxdb"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/influxdb.nix>

services.influxdb.settings
Extra configuration options for influxdb

Type: open submodule of (TOML value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/databases/influxdb.nix>

services.influxdb.user
User account under which influxdb runs

Type: string

Default:

```
"influxdb"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/influxdb.nix>

services.influxdb2.enable
Whether to enable the influxdb2 server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/databases/influxdb2.nix>

services.influxdb2.package
The influxdb2 package to use.

Type: package

Default:

```
pkgs.influxdb2
```

Declared by:
<nixpkgs/nixos/modules/services/databases/influxdb2.nix>

services.influxdb2.provision.enable
Whether to enable initial database setup and provisioning.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/databases/influxdb2.nix>

services.influxdb2.provision.initialSetup.bucket
Primary bucket name

Type: string

Example:

```
"example"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/influxdb2.nix>

services.influxdb2.provision.initialSetup.organization
Primary organization name

Type: string

Example:

```
"main"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/influxdb2.nix>

services.influxdb2.provision.initialSetup.passwordFile
Password for primary user. Don’t use a file from the nix store!

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/databases/influxdb2.nix>

services.influxdb2.provision.initialSetup.retention
The duration in seconds for which the bucket will retain data (0 is infinite).

Type: unsigned integer, meaning >=0

Default:

Declared by:
<nixpkgs/nixos/modules/services/databases/influxdb2.nix>

services.influxdb2.provision.initialSetup.tokenFile
API Token to set for the admin user. Don't use a file from the nix store!

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/databases/influxdb2.nix>

services.influxdb2.provision.initialSetup.username
Primary username

Type: string

Default:

```
"admin"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/influxdb2.nix>

services.influxdb2.provision.organizations
Organizations to provision.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  myorg = {
    description = "My organization";
    buckets.mybucket = {
      description = "My bucket";
      retention = 31536000; # 1 year
    };
    auths.mytoken = {
      readBuckets = ["mybucket"];
      tokenFile = "/run/secrets/mytoken";
    };
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/databases/influxdb2.nix>

services.influxdb2.provision.organizations.<name>.auths
API tokens to provision for the user in this organization.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/databases/influxdb2.nix>

services.influxdb2.provision.organizations.<name>.auths.<name>.allAccess
Grants all permissions in the associated organization.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/databases/influxdb2.nix>

services.influxdb2.provision.organizations.<name>.auths.<name>.description
Optional description for the API token. Note that the actual token will always be created with a descriptionregardless of whether this is given or not. The name is always added plus a unique suffix to later identify the token to track whether it has already been created.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/databases/influxdb2.nix>

services.influxdb2.provision.organizations.<name>.auths.<name>.id
A unique identifier for this authentication token. Since influx doesn't store names for tokens, this will be hashed and appended to the description to identify the token.

Type: string *(read only)*

Default:

```
"<a hash derived from org and name>"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/influxdb2.nix>

services.influxdb2.provision.organizations.<name>.auths.<name>.operator
Grants all permissions in all organizations.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/databases/influxdb2.nix>

services.influxdb2.provision.organizations.<name>.auths.<name>.present
Whether to ensure that this user is present or absent.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/databases/influxdb2.nix>

services.influxdb2.provision.organizations.<name>.auths.<name>.readBuckets
The organization's buckets which should be allowed to be read

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/databases/influxdb2.nix>

services.influxdb2.provision.organizations.<name>.auths.<name>.readPermissions
The read permissions to include for this token. Access is usually granted only for resources in the associated organization.

Available permissions are 'authorizations', 'buckets', 'dashboards', 'orgs', 'tasks', 'telegrafs', 'users', 'variables', 'secrets', 'labels', 'views', 'documents', 'notificationRules', 'notificationEndpoints', 'checks', 'dbrp', 'annotations', 'sources', 'scrapers', 'notebooks', 'remotes', 'replications'.

Refer to 'influx auth create −−help' for a full list with descriptions.

'buckets' grants read access to all associated buckets. Use 'readBuckets' to define more granular access permissions.

Type: list of (one of "authorizations", "buckets", "dashboards", "orgs", "tasks", "telegrafs", "users", "variables", "secrets", "labels", "views", "documents", "notificationRules", "notificationEndpoints", "checks", "dbrp", "annotations", "sources", "scrapers", "notebooks", "remotes", "replications")

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/databases/influxdb2.nix>

services.influxdb2.provision.organizations.<name>.auths.<name>.tokenFile
The token value. If not given, influx will automatically generate one.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/databases/influxdb2.nix>

services.influxdb2.provision.organizations.<name>.auths.<name>.writeBuckets
The organization's buckets which should be allowed to be written

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/databases/influxdb2.nix>

services.influxdb2.provision.organizations.<name>.auths.<name>.writePermissions
The read permissions to include for this token. Access is usually granted only for resources in the associated organization.

Available permissions are 'authorizations', 'buckets', 'dashboards', 'orgs', 'tasks', 'telegrafs', 'users', 'variables', 'secrets', 'labels', 'views', 'documents', 'notificationRules', 'notificationEndpoints', 'checks', 'dbrp', 'annotations', 'sources', 'scrapers', 'notebooks', 'remotes', 'replications'.

Refer to ‘influx auth create −−help’ for a full list with descriptions.

‘buckets’ grants write access to all associated buckets. Use ‘writeBuckets’ to define more granular access permissions.

Type: list of (one of “authorizations”, “buckets”, “dashboards”, “orgs”, “tasks”, “telegrafs”, “users”, “variables”, “secrets”, “labels”, “views”, “documents”, “notificationRules”, “notificationEndpoints”, “checks”, “dbrp”, “annotations”, “sources”, “scrapers”, “notebooks”, “remotes”, “replications”)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/databases/influxdb2.nix>

services.influxdb2.provision.organizations.<name>.buckets
Buckets to provision in this organization.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/databases/influxdb2.nix>

services.influxdb2.provision.organizations.<name>.buckets.<name>.description
Optional description for the bucket.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/databases/influxdb2.nix>

services.influxdb2.provision.organizations.<name>.buckets.<name>.present
Whether to ensure that this bucket is present or absent.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/databases/influxdb2.nix>

services.influxdb2.provision.organizations.<name>.buckets.<name>.retention
The duration in seconds for which the bucket will retain data (0 is infinite).

Type: unsigned integer, meaning >=0

Default:

Declared by:
<nixpkgs/nixos/modules/services/databases/influxdb2.nix>

services.influxdb2.provision.organizations.<name>.description
Optional description for the organization.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/databases/influxdb2.nix>

services.influxdb2.provision.organizations.<name>.present
Whether to ensure that this organization is present or absent.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/databases/influxdb2.nix>

services.influxdb2.provision.users
Users to provision.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  # admin = {}; /* The initialSetup.username will automatically be  \
added. */
  myuser.passwordFile = "/run/secrets/myuser_password";
}
```

Declared by:
<nixpkgs/nixos/modules/services/databases/influxdb2.nix>

services.influxdb2.provision.users.<name>.passwordFile
Password for the user. If unset, the user will not be able to log in until a password is set by an operator! Don't use a file from the nix store!

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/databases/influxdb2.nix>

services.influxdb2.provision.users.<name>.present
Whether to ensure that this user is present or absent.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/databases/influxdb2.nix>

services.influxdb2.settings
configuration options for influxdb2, see **https://docs.influxdata.com/influxdb/v2.0/reference/config-options** for details.

Type: JSON value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/databases/influxdb2.nix>

services.infnoise.enable
Whether to enable the Infinite Noise TRNG driver.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/infnoise.nix>

services.infnoise.fillDevRandom
Whether to run the infnoise driver as a daemon to refill /dev/random.

If disabled, you can use the ‘infnoise’ command−line tool to manually obtain randomness.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/infnoise.nix>

services.input−remapper.enable
Whether to enable input−remapper, an easy to use tool to change the mapping of your input device buttons.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/input−remapper.nix>

services.input−remapper.enableUdevRules
Whether to enable udev rules added by input−remapper to handle hotplugged devices. Currently disabled by default due to **https://github.com/sezanzeb/input−remapper/issues/140**.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/input−remapper.nix>

services.input−remapper.package
The input−remapper package to use.

Type: package

Default:

```
pkgs.input−remapper
```

Declared by:
<nixpkgs/nixos/modules/services/misc/input−remapper.nix>

services.input−remapper.serviceWantedBy
Specifies the WantedBy setting for the input−remapper service.

Type: list of string

Default:

```
[
  "graphical.target"
]
```

Example:

```
[
  "multi−user.target"
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/input−remapper.nix>

services.inputplumber.enable
Whether to enable InputPlumber.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/inputplumber.nix>

services.inputplumber.package
The inputplumber package to use.

Type: package

Default:

```
pkgs.inputplumber
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/inputplumber.nix>

services.inspircd.enable
Whether to enable InspIRCd.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/inspircd.nix>

services.inspircd.package
The InspIRCd package to use. This is mainly useful to specify an overridden version of the 'pkgs.inspircd' dervivation, for example if you want to use a more minimal InspIRCd distribution with less modules enabled or with modules enabled which can't be distributed in binary form due to licensing issues.

Type: package

Default:

```
pkgs.inspircd
```

Example:

```
pkgs.inspircdMinimal
```

Declared by:
<nixpkgs/nixos/modules/services/networking/inspircd.nix>

services.inspircd.config
Verbatim *inspircd.conf* file. For a list of options, consult the **InspIRCd documentation**, the **Module documentation** and the example configuration files distributed with 'pkgs.inspircd.doc'

Type: strings concatenated with "\n"

Declared by:
<nixpkgs/nixos/modules/services/networking/inspircd.nix>

services.interception−tools.enable
Whether to enable the interception tools service.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/interception−tools.nix>

services.interception−tools.plugins
A list of interception tools plugins that will be made available to use inside the udevmon configuration.

Type: list of package

Default:

```
[ pkgs.interception−tools−plugins.caps2esc ]
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/interception−tools.nix>

services.interception−tools.udevmonConfig
String of udevmon YAML configuration, or path to a udevmon YAML configuration file.

Type: string or absolute path

Default:

```
− JOB: "intercept −g $DEVNODE | caps2esc | uinput −d $DEVNODE"
  DEVICE:
    EVENTS:
      EV_KEY: [KEY_CAPSLOCK, KEY_ESC]
```

Example:

```
    - JOB: "intercept -g $DEVNODE | y2z | x2y | uinput -d $DEVNODE \
  "
      DEVICE:
        EVENTS:
          EV_KEY: [KEY_X, KEY_Y]
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/interception-tools.nix>

services.intune.enable
Whether to enable Microsoft Intune.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/intune.nix>

services.invidious.enable
Whether to enable Invidious.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/invidious.nix>

services.invidious.package
The invidious package to use.

Type: package

Default:

```
pkgs.invidious
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/invidious.nix>

services.invidious.address
The IP address Invidious should bind to.

Type: string

Default:

```
if config.services.invidious.nginx.enable then "127.0.0.1" else "0. \
0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/invidious.nix>

services.invidious.database.createLocally

Whether to create a local database with PostgreSQL.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/invidious.nix>

services.invidious.database.host

The database host Invidious should use.

If ‘null’, the local unix socket is used. Otherwise TCP is used.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/invidious.nix>

services.invidious.database.passwordFile

Path to file containing the database password.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/invidious.nix>

services.invidious.database.port

The port of the database Invidious should use.

Defaults to the the default postgresql port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
config.services.postgresql.settings.port
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/invidious.nix>

services.invidious.domain

The FQDN Invidious is reachable on.

This is used to configure nginx and for building absolute URLs.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/invidious.nix>

services.invidious.extraSettingsFile

A file including Invidious settings.

It gets merged with the settings specified in **services.invidious.settings** and can be used to store secrets like 'hmac_key' outside of the nix store.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/invidious.nix>

services.invidious.hmacKeyFile

A path to a file containing the 'hmac_key'. If 'null', a key will be generated automatically on first start.

If non−'null', this option overrides any 'hmac_key' specified in **services.invidious.settings** or via **services.invidious.extraSettingsFile**.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/invidious.nix>

services.invidious.http3−ytproxy.enable

Whether to enable http3−ytproxy for faster loading of images and video playback.

If **services.invidious.nginx.enable** is used, nginx will be configured automatically. If not, you need to configure a reverse proxy yourself according to **https://docs.invidious.io/improve−public−instance/#3−speed−up−video−playback−with−http3−ytproxy**.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/invidious.nix>

services.invidious.http3−ytproxy.package

The http3−ytproxy package to use.

Type: package

Default:

```
pkgs.http3-ytproxy
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/invidious.nix>

services.invidious.nginx.enable

Whether to configure nginx as a reverse proxy for Invidious.

It serves it under the domain specified in **services.invidious.settings.domain** with enabled TLS and ACME. Further configuration can be done through **services.nginx.virtualHosts.${config.services.invidious.settings.domain}.***, which can also be used to disable AMCE and TLS.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/invidious.nix>

services.invidious.port
The port Invidious should listen on.

To allow access from outside, you can use either **services.invidious.nginx** or add 'config.services.invidious.port' to **networking.firewall.allowedTCPPorts**.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/invidious.nix>

services.invidious.serviceScale
How many invidious instances to run.

See **https://docs.invidious.io/improve−public−instance/#2−multiple−invidious−processes** for more details on how this is intended to work. All instances beyond the first one have the options 'channel_threads' and 'feed_threads' set to 0 to avoid conflicts with multiple instances refreshing subscriptions. Instances will be configured to bind to consecutive ports starting with **services.invidious.port** for the first instance.

Type: signed integer

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/invidious.nix>

services.invidious.settings
The settings Invidious should use.

See **config.example.yml** for a list of all possible options.

Type: JSON value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/invidious.nix>

services.invidious.sig−helper.enable
Whether to enable and configure inv−sig−helper to emulate the youtube client's javascript. This is required to make certain videos playable.

This will download and run completely untrusted javascript from youtube! While this service is sandboxed, this may still be an issue!

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/invidious.nix>

services.invidious.sig−helper.package
The inv−sig−helper package to use.

Type: package

Default:

```
pkgs.inv-sig-helper
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/invidious.nix>

services.invidious.sig−helper.listenAddress
The IP address/port where inv−sig−helper should listen.

Type: string

Default:

```
"127.0.0.1:2999"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/invidious.nix>

services.invidious−router.enable
Whether to enable the invidious−router service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/invidious−router.nix>

services.invidious−router.package
The invidious−router package to use.

Type: package

Default:

```
pkgs.invidious-router
```

Declared by:
<nixpkgs/nixos/modules/services/misc/invidious−router.nix>

services.invidious−router.address
Address on which invidious−router should listen on.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/invidious−router.nix>

services.invidious−router.nginx.enable

Whether to enable Automatic nginx proxy configuration .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/invidious−router.nix>

services.invidious−router.nginx.domain

The domain on which invidious−router should be served.

Type: string

Example:

```
"invidious−router.example.com"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/invidious−router.nix>

services.invidious−router.nginx.extraDomains

Additional domains to serve invidious−router on.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/misc/invidious−router.nix>

services.invidious−router.port

Port to bind to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8050
```

Declared by:

<nixpkgs/nixos/modules/services/misc/invidious−router.nix>

services.invidious−router.settings

Configuration for invidious−router. Check **https://gitlab.com/gaincoder/invidious−router#configuration** for configuration options.

Type: open submodule of (YAML 1.1 value)

Default:

```
{
  api = {
    allowed_regions = [
      "AT"
      "DE"
      "CH"
    ];
    enabled = true;
```

```
      filter_regions = true;
      url = "https://api.invidious.io/instances.json";
    };
    app = {
      enable_youtube_fallback = false;
      listen = "127.0.0.1:8050";
      reload_instance_list_interval = "60s";
    };
    healthcheck = {
      allowed_status_codes = [
        200
      ];
      filter_by_response_time = {
        enabled = true;
        qty_of_top_results = 3;
      };
      interval = "10s";
      minimum_ratio = 0.2;
      path = "/";
      remove_no_ratio = true;
      text_not_present = "YouTube is currently trying to block Invidi \
ous instances";
      timeout = "1s";
    };
  }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/invidious-router.nix>

services.invoiceplane
InvoicePlane configuration.

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/invoiceplane.nix>

services.invoiceplane.sites
Specification of one or more InvoicePlane sites to serve

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/invoiceplane.nix>

services.invoiceplane.sites.<name>.enable
Whether to enable InvoicePlane web application.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/invoiceplane.nix>

services.invoiceplane.sites.<name>.cron.enable
Enable cron service which periodically runs Invoiceplane tasks. Requires key taken from the administration page. Refer to **https://wiki.invoiceplane.com/en/1.0/modules/recurring−invoices** on how to configure it.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/invoiceplane.nix>

services.invoiceplane.sites.<name>.cron.key
Cron key taken from the administration page.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/invoiceplane.nix>

services.invoiceplane.sites.<name>.database.createLocally
Create the database and database user locally.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/invoiceplane.nix>

services.invoiceplane.sites.<name>.database.host
Database host address.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/invoiceplane.nix>

services.invoiceplane.sites.<name>.database.name
Database name.

Type: string

Default:

```
"invoiceplane"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/invoiceplane.nix>

services.invoiceplane.sites.<name>.database.passwordFile
A file containing the password corresponding to **database.user**.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/invoiceplane-dbpassword"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/invoiceplane.nix>

services.invoiceplane.sites.<name>.database.port
Database host port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3306
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/invoiceplane.nix>

services.invoiceplane.sites.<name>.database.user
Database user.

Type: string

Default:

```
"invoiceplane"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/invoiceplane.nix>

services.invoiceplane.sites.<name>.invoiceTemplates
List of path(s) to respective template(s) which are copied from the ‘invoice_templates/pdf’ directory.

Note
These templates need to be packaged before use, see example.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
let
  # Let’s package an example template
  template-vtdirektmarketing = pkgs.stdenv.mkDerivation {
    name = "vtdirektmarketing";
    # Download the template from a public repository
    src = pkgs.fetchgit {
      url = "https://git.project-insanity.org/onny/invoiceplane-v \
tdirektmarketing.git";
      sha256 = "1hh0q7wzsh8v8x03i82p6qrgbxr4v5fb05xylyrpp975l8axyg2 \
z";
    };
    sourceRoot = ".";
    # Installing simply means copying template php file to the outp \
```

```
ut directory
    installPhase = ""
      mkdir -p $out
      cp invoiceplane-vtdirektmarketing/vtdirektmarketing.php $out \
/
    "";
  };
# And then pass this package to the template list like this:
in [ template-vtdirektmarketing ]
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/invoiceplane.nix>

services.invoiceplane.sites.<name>.poolConfig

Options for the InvoicePlane PHP pool. See the documentation on 'php-fpm.conf' for details on configuration directives.

Type: attribute set of (string or signed integer or boolean)

Default:

```
{
  pm = "dynamic";
  "pm.max_children" = 32;
  "pm.max_requests" = 500;
  "pm.max_spare_servers" = 4;
  "pm.min_spare_servers" = 2;
  "pm.start_servers" = 2;
}
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/invoiceplane.nix>

services.invoiceplane.sites.<name>.quoteTemplates

List of path(s) to respective template(s) which are copied from the 'quote_templates/pdf' directory.

Note

These templates need to be packaged before use, see example.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
let
  # Let's package an example template
  template-vtdirektmarketing = pkgs.stdenv.mkDerivation {
    name = "vtdirektmarketing";
    # Download the template from a public repository
    src = pkgs.fetchgit {
      url = "https://git.project-insanity.org/onny/invoiceplane-v \
tdirektmarketing.git";
      sha256 = "1hh0q7wzsh8v8x03i82p6qrgbxr4v5fb05xylyrpp975l8axyg2 \
z";
    };
    sourceRoot = ".";
    # Installing simply means copying template php file to the outp \
ut directory
```

```
    installPhase = ""
      mkdir -p $out
      cp invoiceplane-vtdirektmarketing/vtdirektmarketing.php $out \
/
    "";
  };
# And then pass this package to the template list like this:
in [ template-vtdirektmarketing ]
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/invoiceplane.nix>

services.invoiceplane.sites.<name>.settings
Structural InvoicePlane configuration. Refer to **https://github.com/InvoicePlane/InvoicePlane/blob/master/ipconfig.php.example** for details and supported values.

Type: attribute set of anything

Default:

```
{ }
```

Example:

```
{
  SETUP_COMPLETED = true;
  DISABLE_SETUP = true;
  IP_URL = "https://invoice.example.com";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/invoiceplane.nix>

services.invoiceplane.sites.<name>.stateDir
This directory is used for uploads of attachments and cache. The directory passed here is automatically created and permissions adjusted as required.

Type: absolute path

Default:

```
"/var/lib/invoiceplane/‹name›"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/invoiceplane.nix>

services.invoiceplane.webserver
Which webserver to use for virtual host management.

Type: one of “caddy”, “nginx”

Default:

```
"caddy"
```

Example:

```
"nginx"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/invoiceplane.nix>

services.iodine.clients

Each attribute of this option defines a systemd service that runs iodine. Many or none may be defined. The name of each service is ‘iodine−«name»’ where «name» is the name of the corresponding attribute name.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  foo = {
    server = "tunnel.mdomain.com";
    relay = "8.8.8.8";
    extraConfig = "−v";
  }
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/iodine.nix>

services.iodine.clients.<name>.extraConfig

Additional command line parameters

Type: string

Default:

```
""
```

Example:

```
"−l 192.168.1.10 −p 23"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/iodine.nix>

services.iodine.clients.<name>.passwordFile

Path to a file containing the password.

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/networking/iodine.nix>

services.iodine.clients.<name>.relay

DNS server to use as an intermediate relay to the iodined server

Type: string

Default:

```
""
```

Example:

```
"8.8.8.8"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/iodine.nix>

services.iodine.clients.<name>.server
Hostname of server running iodined

Type: string

Default:
```
""
```

Example:
```
"tunnel.mydomain.com"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/iodine.nix>

services.iodine.server.enable
enable iodined server

Type: boolean

Default:
```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/iodine.nix>

services.iodine.server.domain
Domain or subdomain of which nameservers point to us

Type: string

Default:
```
""
```

Example:
```
"tunnel.mydomain.com"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/iodine.nix>

services.iodine.server.extraConfig
Additional command line parameters

Type: string

Default:
```
""
```

Example:
```
"-l 192.168.1.10 -p 23"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/iodine.nix>

services.iodine.server.ip
The assigned ip address or ip range

Type: string

Default:
```
""
```

Example:

```
"172.16.10.1/24"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/iodine.nix>

services.iodine.server.passwordFile

File that contains password

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/networking/iodine.nix>

services.iperf3.enable

Whether to enable iperf3 network throughput testing server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/iperf3.nix>

services.iperf3.package

The iperf3 package to use.

Type: package

Default:

```
pkgs.iperf3
```

Declared by:

<nixpkgs/nixos/modules/services/networking/iperf3.nix>

services.iperf3.affinity

CPU affinity for the process.

Type: null or (unsigned integer, meaning >=0)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/iperf3.nix>

services.iperf3.authorizedUsersFile

Path to the configuration file containing authorized users credentials to run iperf tests.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/iperf3.nix>

services.iperf3.bind
Bind to the specific interface associated with the given address.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/iperf3.nix>

services.iperf3.debug
Emit debugging output.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/iperf3.nix>

services.iperf3.extraFlags
Extra flags to pass to iperf3(1).

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/iperf3.nix>

services.iperf3.forceFlush
Force flushing output at every interval.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/iperf3.nix>

services.iperf3.openFirewall
Open ports in the firewall for iperf3.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/iperf3.nix>

services.iperf3.port
Server port to listen on for iperf3 client requests.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5201
```

Declared by:
<nixpkgs/nixos/modules/services/networking/iperf3.nix>

services.iperf3.rsaPrivateKey
Path to the RSA private key (not password−protected) used to decrypt authentication credentials from the client.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/iperf3.nix>

services.iperf3.verbose
Give more detailed output.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/iperf3.nix>

services.ipfs−cluster.enable
Whether to enable Pinset orchestration for IPFS − requires ipfs daemon to be useful.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/ipfs−cluster.nix>

services.ipfs−cluster.consensus
Consensus protocol − ‘raft’ or ‘crdt’. **https://cluster.ipfs.io/documentation/guides/consensus/**

Type: one of “raft”, “crdt”

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/ipfs−cluster.nix>

services.ipfs−cluster.dataDir
The data dir for ipfs−cluster.

Type: string

Default:

```
"/var/lib/ipfs−cluster"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/ipfs−cluster.nix>

services.ipfs−cluster.initPeers

Peer addresses to initialize with on first run.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/ipfs−cluster.nix>

services.ipfs−cluster.openSwarmPort

Open swarm port, secured by the cluster secret. This does not expose the API or proxy. **https://cluster.ipfs.io/documentation/guides/security/**

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/ipfs−cluster.nix>

services.ipfs−cluster.secretFile

File containing the cluster secret in the format of EnvironmentFile as described by **systemd.exec**(5). For example: <programlisting> CLUSTER_SECRET=<replaceable>…</replaceable> </programlisting>

If null, a new secret will be generated on first run and stored in the data directory. A secret in the correct format can also be generated by: ‘openssl rand −hex 32’

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/ipfs−cluster.nix>

services.ipp−usb.enable

Whether to enable ipp−usb, a daemon to turn an USB printer/scanner supporting IPP everywhere (aka AirPrint, WSD, AirScan) into a locally accessible network printer/scanner.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/printing/ipp−usb.nix>

services.iptsd.enable

Whether to enable the userspace daemon for Intel Precise Touch & Stylus.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/iptsd.nix>

services.iptsd.config
Configuration for IPTSD. See the **reference configuration** for available options and defaults.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/iptsd.nix>

services.iptsd.config.Stylus.Disable
Disables the stylus. No stylus data will be processed.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/iptsd.nix>

services.iptsd.config.Touchscreen.DisableOnPalm
Ignore all touchscreen inputs if a palm was registered on the display.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/iptsd.nix>

services.iptsd.config.Touchscreen.DisableOnStylus
Ignore all touchscreen inputs if a stylus is in proximity.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/iptsd.nix>

services.ircdHybrid.enable
Whether to enable IRCD.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ircd−hybrid/default.nix>

services.ircdHybrid.adminEmail
IRCD server administrator e−mail.

Type: string

Default:

```
"<bit−bucket@example.com>"
```

Example:

```
"<name@domain.tld>"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ircd−hybrid/default.nix>

services.ircdHybrid.certificate
IRCD server SSL certificate. There are some limitations − read manual.

Type: null or absolute path

Default:

```
null
```

Example:

```
/root/certificates/irc.pem
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ircd−hybrid/default.nix>

services.ircdHybrid.description
IRCD server description.

Type: string

Default:

```
"Hybrid−7 IRC server."
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ircd−hybrid/default.nix>

services.ircdHybrid.extraIPs
Extra IP’s to bind.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "127.0.0.1"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ircd−hybrid/default.nix>

services.ircdHybrid.extraPort
Extra port to avoid filtering.

Type: string

Default:

```
"7117"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ircd−hybrid/default.nix>

services.ircdHybrid.rsaKey
IRCD server RSA key.

Type: null or absolute path

Default:

```
null
```

Example:

```
/root/certificates/irc.key
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ircd−hybrid/default.nix>

services.ircdHybrid.serverName
IRCD server name.

Type: string

Default:

```
"hades.arpa"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ircd−hybrid/default.nix>

services.ircdHybrid.sid
IRCD server unique ID in a net of servers.

Type: string

Default:

```
"0NL"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ircd−hybrid/default.nix>

services.irkerd.enable
Whether to enable irker, an IRC notification daemon.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/irkerd.nix>

services.irkerd.listenAddress
Specifies the bind address on which the irker daemon listens. The default is localhost.

Irker authors strongly warn about the risks of running this on a publicly accessible interface, so change this with caution.

Type: string

Default:

```
"localhost"
```

Example:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/irkerd.nix>

services.irkerd.nick
Nick to use for irker

Type: string

Default:

```
"irker"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/irkerd.nix>

services.irkerd.openPorts
Open ports in the firewall for irkerd

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/irkerd.nix>

services.irqbalance.enable
Whether to enable irqbalance daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/irqbalance.nix>

services.irqbalance.package
The irqbalance package to use.

Type: package

Default:

```
pkgs.irqbalance
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/irqbalance.nix>

services.isso.enable
Whether to enable isso, a commenting server similar to Disqus.

Note: The application's author suppose to run isso behind a reverse proxy. The embedded solution offered by NixOS is also only suitable for small installations below 20 requests per second .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/isso.nix>

services.isso.settings
Configuration for ‘isso’.

See **Isso Server Configuration** for supported values.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Example:

```
{
  general = {
    host = "http://localhost";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/isso.nix>

services.ivpn.enable
This option enables iVPN daemon. This sets **networking.firewall.checkReversePath** to “loose”, which might be undesirable for security.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ivpn.nix>

services.jack.alsa.enable
Route audio to/from generic ALSA−using applications using ALSA JACK PCM plugin.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/audio/jack.nix>

services.jack.alsa.support32Bit
Whether to support sound for 32−bit ALSA applications on 64−bit system.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/audio/jack.nix>

services.jack.jackd.enable
Whether to enable JACK Audio Connection Kit. You need to add yourself to the “jackaudio” group .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/audio/jack.nix>

services.jack.jackd.extraOptions
Specifies startup command line arguments to pass to JACK server.

Type: list of string

Default:

```
[
  "-dalsa"
]
```

Example:

```
[ "-dalsa" "--device" "hw:1" ];
```

Declared by:
<nixpkgs/nixos/modules/services/audio/jack.nix>

services.jack.jackd.session
Commands to run after JACK is started.

Type: strings concatenated with “\n”

Declared by:
<nixpkgs/nixos/modules/services/audio/jack.nix>

services.jack.loopback.enable
Create ALSA loopback device, instead of using PCM plugin. Has broader application support (things like Steam will work), but may need fine-tuning for concrete hardware.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/audio/jack.nix>

services.jack.loopback.config
ALSA config for loopback device.

Type: strings concatenated with “\n”

Declared by:
<nixpkgs/nixos/modules/services/audio/jack.nix>

services.jack.loopback.dmixConfig
For music production software that still doesn’t support JACK natively you would like to put buffer/period adjustments here to decrease dmix device latency.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
period_size 2048
periods 2
```

Declared by:
<nixpkgs/nixos/modules/services/audio/jack.nix>

services.jack.loopback.index
Index of an ALSA loopback device.

Type: signed integer

Default:

```
10
```

Declared by:
<nixpkgs/nixos/modules/services/audio/jack.nix>

services.jack.loopback.session
Additional commands to run to setup loopback device.

Type: strings concatenated with “\n”

Declared by:
<nixpkgs/nixos/modules/services/audio/jack.nix>

services.jackett.enable
Whether to enable Jackett, API support for your favorite torrent trackers.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/jackett.nix>

services.jackett.package
The jackett package to use.

Type: package

Default:

```
pkgs.jackett
```

Declared by:
<nixpkgs/nixos/modules/services/misc/jackett.nix>

services.jackett.dataDir
The directory where Jackett stores its data files.

Type: string

Default:

```
"/var/lib/jackett/.config/Jackett"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/jackett.nix>

services.jackett.group
Group under which Jackett runs.

Type: string

Default:

```
"jackett"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/jackett.nix>

services.jackett.openFirewall
Open ports in the firewall for the Jackett web interface.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/jackett.nix>

services.jackett.port
Port serving the web interface

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9117
```

Declared by:
<nixpkgs/nixos/modules/services/misc/jackett.nix>

services.jackett.user
User account under which Jackett runs.

Type: string

Default:

```
"jackett"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/jackett.nix>

services.jboss.enable
Whether to enable JBoss. WARNING : this package is outdated and is known to have vulnerabilities.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/jboss/default.nix>

services.jboss.deployDir
Location of the deployment files

Type: string

Default:

```
"/nix/var/nix/profiles/default/server/default/deploy/"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/jboss/default.nix>

services.jboss.libUrl
Location where the shared library JARs are stored

Type: string

Default:

```
"file:///nix/var/nix/profiles/default/server/default/lib"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/jboss/default.nix>

services.jboss.logDir
Location of the logfile directory of JBoss

Type: string

Default:

```
"/var/log/jboss"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/jboss/default.nix>

services.jboss.serverDir
Location of the server instance files

Type: string

Default:

```
"/var/jboss/server"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/jboss/default.nix>

services.jboss.tempDir
Location where JBoss stores its temp files

Type: string

Default:

```
"/tmp"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/jboss/default.nix>

services.jboss.useJK
Whether to use to connector to the Apache HTTP server

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/jboss/default.nix>

services.jboss.user
User account under which jboss runs.

Type: string

Default:

```
"nobody"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/jboss/default.nix>

services.jellyfin.enable
Whether to enable Jellyfin Media Server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/jellyfin.nix>

services.jellyfin.package
The jellyfin package to use.

Type: package

Default:

```
pkgs.jellyfin
```

Declared by:
<nixpkgs/nixos/modules/services/misc/jellyfin.nix>

services.jellyfin.cacheDir
Directory containing the jellyfin server cache, passed with '−−cachedir' see **#cache−directory**

Type: absolute path

Default:

```
"/var/cache/jellyfin"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/jellyfin.nix>

services.jellyfin.configDir
Directory containing the server configuration files, passed with '−−configdir' see **configuration−directory**

Type: absolute path

Default:

```
"${cfg.dataDir}/config"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/jellyfin.nix>

services.jellyfin.dataDir
Base data directory, passed with '−−datadir' see **#data−directory**

Type: absolute path

Default:

```
"/var/lib/jellyfin"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/jellyfin.nix>

services.jellyfin.forceEncodingConfig

Whether to overwrite Jellyfin's 'encoding.xml' configuration file on each service start.

When enabled, the encoding configuration specified in **services.jellyfin.transcoding** and **services.jellyfin.hardwareAcceleration** will be applied on every service restart. A backup of the existing 'encoding.xml' will be created at 'encoding.xml.backup−$timestamp'.

> **Warning**
> Enabling this option means that any changes made to transcoding settings through Jellyfin's web dashboard will be lost on the next service restart. The NixOS configuration becomes the single source of truth for encoding settings.

When disabled (the default), the encoding configuration is only written if no 'encoding.xml' exists yet. This allows settings to be changed through Jellyfin's web dashboard and persist across restarts, but means the NixOS configuration options will be ignored after the initial setup.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/jellyfin.nix>

services.jellyfin.group

Group under which jellyfin runs.

Type: string

Default:

```
"jellyfin"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/jellyfin.nix>

services.jellyfin.hardwareAcceleration.enable

Whether to enable hardware acceleration for video transcoding.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/jellyfin.nix>

services.jellyfin.hardwareAcceleration.device

Path to the hardware acceleration device that Jellyfin should use. For obscure configurations, additional devices can be added via **systemd.services.jellyfin.serviceConfig.DeviceAllow**.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/dev/dri/renderD128"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/jellyfin.nix>

services.jellyfin.hardwareAcceleration.type
The method of hardware acceleration. See **Hardware Acceleration** for more details.

Type: one of “none”, “amf”, “qsv”, “nvenc”, “v4l2m2m”, “vaapi”, “rkmpp”

Default:

```
"none"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/jellyfin.nix>

services.jellyfin.logDir
Directory where the Jellyfin logs will be stored, passed with ‘−−logdir’ see **#log−directory**

Type: absolute path

Default:

```
"${cfg.dataDir}/log"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/jellyfin.nix>

services.jellyfin.openFirewall
Open the default ports in the firewall for the media server. The HTTP/HTTPS ports can be changed in the Web UI, so this option should only be used if they are unchanged, see **Port Bindings**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/jellyfin.nix>

services.jellyfin.transcoding.enableHardwareEncoding
Enable hardware encoding for video transcoding.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/jellyfin.nix>

services.jellyfin.transcoding.enableIntelLowPowerEncoding
Enable low−power encoding mode for Intel Quick Sync Video. Requires i915 HuC firmware to be configured.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/jellyfin.nix>

services.jellyfin.transcoding.enableSubtitleExtraction

Embedded subtitles can be extracted from videos and delivered to clients in plain text, in order to help prevent video transcoding. On some systems this can take a long time and cause video playback to stall during the extraction process. Disable this to have embedded subtitles burned in with video transcoding when they are not natively supported by the client device.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/jellyfin.nix>

services.jellyfin.transcoding.enableToneMapping

Enable tone mapping when transcoding HDR content.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/jellyfin.nix>

services.jellyfin.transcoding.deleteSegments

Delete transcoding segments when finished.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/jellyfin.nix>

services.jellyfin.transcoding.encodingPreset

Encoder preset for transcoding. Lower presets sacrifice quality for speed, higher presets optimize quality.

Type: one of “auto”, “veryslow”, “slower”, “slow”, “medium”, “fast”, “faster”, “veryfast”, “superfast”, “ultrafast”

Default:

```
"auto"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/jellyfin.nix>

services.jellyfin.transcoding.h264Crf

Constant Rate Factor (CRF) for H.264 encoding. Lower values result in better quality. Range: 0−51.

Type: integer between 0 and 51 (both inclusive)

Default:

```
23
```

Declared by:

<nixpkgs/nixos/modules/services/misc/jellyfin.nix>

services.jellyfin.transcoding.h265Crf

Constant Rate Factor (CRF) for H.265 encoding. Lower values result in better quality. Range: 0−51.

Type: integer between 0 and 51 (both inclusive)

Default:

```
28
```

Declared by:

<nixpkgs/nixos/modules/services/misc/jellyfin.nix>

services.jellyfin.transcoding.hardwareDecodingCodecs

Which codecs to enable for hardware decoding.

Type: submodule

Default:

```
{ }
```

Example:

```
{
  h264 = true;
  vp9 = true;
}
```

Declared by:

<nixpkgs/nixos/modules/services/misc/jellyfin.nix>

services.jellyfin.transcoding.hardwareDecodingCodecs.av1

Enable hardware decoding for av1 codec.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/jellyfin.nix>

services.jellyfin.transcoding.hardwareDecodingCodecs.h264

Enable hardware decoding for h264 codec.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/jellyfin.nix>

services.jellyfin.transcoding.hardwareDecodingCodecs.hevc

Enable hardware decoding for hevc codec.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/jellyfin.nix>

services.jellyfin.transcoding.hardwareDecodingCodecs.hevc10bit
Enable hardware decoding for hevc10bit codec.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/jellyfin.nix>

services.jellyfin.transcoding.hardwareDecodingCodecs.hevcRExt10bit
Enable hardware decoding for hevcRExt10bit codec.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/jellyfin.nix>

services.jellyfin.transcoding.hardwareDecodingCodecs.hevcRExt12bit
Enable hardware decoding for hevcRExt12bit codec.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/jellyfin.nix>

services.jellyfin.transcoding.hardwareDecodingCodecs.mpeg2
Enable hardware decoding for mpeg2 codec.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/jellyfin.nix>

services.jellyfin.transcoding.hardwareDecodingCodecs.vc1
Enable hardware decoding for vc1 codec.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/jellyfin.nix>

services.jellyfin.transcoding.hardwareDecodingCodecs.vp8
Enable hardware decoding for vp8 codec.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/jellyfin.nix>

services.jellyfin.transcoding.hardwareDecodingCodecs.vp9
Enable hardware decoding for vp9 codec.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/jellyfin.nix>

services.jellyfin.transcoding.hardwareEncodingCodecs
Which codecs to enable for hardware encoding. h264 is always enabled.

Type: submodule

Default:

```
{ }
```

Example:

```
{
  av1 = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/jellyfin.nix>

services.jellyfin.transcoding.hardwareEncodingCodecs.av1
Enable hardware encoding for av1 codec.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/jellyfin.nix>

services.jellyfin.transcoding.hardwareEncodingCodecs.hevc
Enable hardware encoding for hevc codec.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/jellyfin.nix>

services.jellyfin.transcoding.maxConcurrentStreams
Maximum number of concurrent transcoding streams. Set to null for unlimited (limited by hardware capabilities).

Type: null or (positive integer, meaning >0)

Default:

```
null
```

Example:

```
2
```

Declared by:
<nixpkgs/nixos/modules/services/misc/jellyfin.nix>

services.jellyfin.transcoding.threadCount
Number of threads to use when transcoding. Set to null to use automatic detection.

Type: null or (positive integer, meaning >0)

Default:

```
null
```

Example:

```
4
```

Declared by:
<nixpkgs/nixos/modules/services/misc/jellyfin.nix>

services.jellyfin.transcoding.throttleTranscoding
When a transcode or remux gets far enough ahead from the current playback position, pause the process so it will consume fewer resources. This is most useful when watching without seeking often. Turn this off if you experience playback issues.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/jellyfin.nix>

services.jellyfin.user
User account under which Jellyfin runs.

Type: string

Default:

```
"jellyfin"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/jellyfin.nix>

services.jenkins.enable
Whether to enable Jenkins, a continuous integration server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/jenkins/default.nix>

services.jenkins.package
The jenkins package to use.

Type: package

Default:

```
pkgs.jenkins
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/jenkins/default.nix>

services.jenkins.packages
Packages to add to PATH for the jenkins process.

Type: list of package

Default:

```
[ ]
```

Example:

```
[
  pkgs.stdenv
  pkgs.git
  pkgs.jdk25
  config.programs.ssh.package
  pkgs.nix
]
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/jenkins/default.nix>

services.jenkins.environment
Additional environment variables to be passed to the jenkins process. As a base environment, jenkins receives NIX_PATH from **environment.sessionVariables**, NIX_REMOTE is set to “daemon” and JENKINS_HOME is set to the value of **services.jenkins.home**. This option has precedence and can be used to override those mentioned variables.

Type: attribute set of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/jenkins/default.nix>

services.jenkins.extraGroups
List of extra groups that the “jenkins” user should be a part of.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "wheel"
  "dialout"
]
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/jenkins/default.nix>

services.jenkins.extraJavaOptions
Additional command line arguments to pass to the Java run time (as opposed to Jenkins).

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-Xmx80m"
]
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/jenkins/default.nix>

services.jenkins.extraOptions
Additional command line arguments to pass to Jenkins.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--debug=9"
]
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/jenkins/default.nix>

services.jenkins.group
If the default user “jenkins” is configured then this is the primary group of that user.

Type: string

Default:

```
"jenkins"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/jenkins/default.nix>

services.jenkins.home
The path to use as JENKINS_HOME. If the default user “jenkins” is configured then this is the home of the “jenkins” user.

Type: absolute path

Default:

```
"/var/lib/jenkins"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/jenkins/default.nix>

services.jenkins.javaPackage
The jdk25 package to use.

Type: package

Default:

```
pkgs.jdk25
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/jenkins/default.nix>

services.jenkins.jobBuilder.enable

Whether to enable the Jenkins Job Builder (JJB) service. It allows defining jobs for Jenkins in a declarative manner.

Jobs managed through the Jenkins WebUI (or by other means) are left unchanged.

Note that it really is declarative configuration; if you remove a previously defined job, the corresponding job directory will be deleted.

Please see the Jenkins Job Builder documentation for more info: **https://jenkins-job-builder.readthedocs.io/** .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/continuous-integration/jenkins/job-builder.nix>

services.jenkins.jobBuilder.accessToken

User token in Jenkins used to reload config. WARNING: This token will be world readable in the Nix store. To keep it secret, use the **accessTokenFile** option instead.

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/continuous-integration/jenkins/job-builder.nix>

services.jenkins.jobBuilder.accessTokenFile

File containing the API token for the **accessUser** user.

Type: string

Default:

```
"${config.services.jenkins.home}/secrets/initialAdminPassword"
```

Example:

```
"/run/keys/jenkins-job-builder-access-token"
```

Declared by:

<nixpkgs/nixos/modules/services/continuous-integration/jenkins/job-builder.nix>

services.jenkins.jobBuilder.accessUser

User id in Jenkins used to reload config.

Type: string

Default:

```
"admin"
```

Declared by:

<nixpkgs/nixos/modules/services/continuous-integration/jenkins/job-builder.nix>

services.jenkins.jobBuilder.jsonJobs

Job descriptions for Jenkins Job Builder in JSON format.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  ''
    [ { "job":
        { "name": "jenkins-job-test-2",
          "builders": [ "shell": "echo 'Hello world!'" ]
        }
      }
    ]
  ''
]
```

Declared by:

<nixpkgs/nixos/modules/services/continuous-integration/jenkins/job-builder.nix>

services.jenkins.jobBuilder.nixJobs

Job descriptions for Jenkins Job Builder in Nix format.

This is a trivial wrapper around jsonJobs, using builtins.toJSON behind the scene.

Type: list of (attribute set)

Default:

```
[ ]
```

Example:

```
[ { job =
    { name = "jenkins-job-test-3";
      builders = [
        { shell = "echo 'Hello world!'"; }
      ];
    };
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/continuous-integration/jenkins/job-builder.nix>

services.jenkins.jobBuilder.yamlJobs

Job descriptions for Jenkins Job Builder in YAML format.

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
  - job:
      name: jenkins-job-test-1
      builders:
        - shell: echo 'Hello world!'
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/jenkins/job−builder.nix>

services.jenkins.listenAddress
Specifies the bind address on which the jenkins HTTP interface listens. The default is the wildcard address.

Type: string

Default:

```
"0.0.0.0"
```

Example:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/jenkins/default.nix>

services.jenkins.plugins
A set of plugins to activate. Note that this will completely remove and replace any previously installed plugins. If you have manually−installed plugins that you want to keep while using this module, set this option to ‘null’. You can generate this set with a tool such as ‘jenkinsPlugins2nix’.

Type: null or (attribute set of package)

Default:

```
null
```

Example:

```
import path/to/jenkinsPlugins2nix−generated−plugins.nix { inherit \
 (pkgs) fetchurl stdenv; }
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/jenkins/default.nix>

services.jenkins.port
Specifies port number on which the jenkins HTTP interface listens. The default is 8080.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/jenkins/default.nix>

services.jenkins.prefix
Specifies a urlPrefix to use with jenkins. If the example /jenkins is given, the jenkins server will be accessible using localhost:8080/jenkins.

Type: string

Default:

```
""
```

Example:

```
"/jenkins"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/jenkins/default.nix>

services.jenkins.user

User the jenkins server should execute under.

Type: string

Default:

```
"jenkins"
```

Declared by:

<nixpkgs/nixos/modules/services/continuous-integration/jenkins/default.nix>

services.jenkins.withCLI

Whether to make the CLI available.

More info about the CLI available at **https://www.jenkins.io/doc/book/managing/cli** .

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/continuous-integration/jenkins/default.nix>

services.jenkinsSlave.enable

If true the system will be configured to work as a jenkins slave. If the system is also configured to work as a jenkins master then this has no effect. In progress: Currently only assures the jenkins user is configured.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/continuous-integration/jenkins/slave.nix>

services.jenkinsSlave.group

If the default slave agent user “jenkins” is configured then this is the primary group of that user.

Type: string

Default:

```
"jenkins"
```

Declared by:

<nixpkgs/nixos/modules/services/continuous-integration/jenkins/slave.nix>

services.jenkinsSlave.home

The path to use as JENKINS_HOME. If the default user “jenkins” is configured then this is the home of the “jenkins” user.

Type: absolute path

Default:

```
"/var/lib/jenkins"
```

Declared by:

<nixpkgs/nixos/modules/services/continuous-integration/jenkins/slave.nix>

services.jenkinsSlave.javaPackage

The jdk package to use.

Type: package

Default:

```
pkgs.jdk
```

Declared by:

<nixpkgs/nixos/modules/services/continuous-integration/jenkins/slave.nix>

services.jenkinsSlave.user

User the jenkins slave agent should execute under.

Type: string

Default:

```
"jenkins"
```

Declared by:

<nixpkgs/nixos/modules/services/continuous-integration/jenkins/slave.nix>

services.jibri.enable

Whether to enable Jitsi BRoadcasting Infrastructure. Currently Jibri must be run on a host that is also running **services.jitsi-meet.enable**, so for most use cases it will be simpler to run **services.jitsi-meet.jibri.enable**.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/jibri/default.nix>

services.jibri.config

Jibri configuration. See **https://github.com/jitsi/jibri/blob/master/src/main/resources/reference.conf** for default configuration with comments.

Type: HOCON value

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/jibri/default.nix>

services.jibri.finalizeScript

This script runs when jibri finishes recording a video of a conference.

Type: absolute path

Default:

```
pkgs.writeScript "finalize_recording.sh" ''''
#!/bin/sh
RECORDINGS_DIR=$1
echo "This is a dummy finalize script" > /tmp/finalize.out
echo "The script was invoked with recordings directory $RECORDINGS_ \
DIR." >> /tmp/finalize.out
```

```
echo "You should put any finalize logic (renaming, uploading to a s \
ervice" >> /tmp/finalize.out
echo "or storage provider, etc.) in this script" >> /tmp/finalize.o \
ut
exit 0
```

Example:

```
pkgs.writeScript "finalize_recording.sh" ''''
#!/bin/sh
RECORDINGS_DIR=$1
${pkgs.rclone}/bin/rclone copy $RECORDINGS_DIR RCLONE_REMOTE:jibri \
-recordings/ -v --log-file=/var/log/jitsi/jibri/recording-uplo \
ad.txt
exit 0
```

Declared by:

<nixpkgs/nixos/modules/services/networking/jibri/default.nix>

services.jibri.ignoreCert

Whether to enable the flag "–ignore-certificate-errors" for the Chromium browser opened by Jibri. Intended for use in automated tests or anywhere else where using a verified cert for Jitsi-Meet is not possible.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/jibri/default.nix>

services.jibri.xmppEnvironments

XMPP servers to connect to.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
"jitsi-meet" = {
  xmppServerHosts = [ "localhost" ];
  xmppDomain = config.services.jitsi-meet.hostName;
  control.muc = {
    domain = "internal.${config.services.jitsi-meet.hostName}";
    roomName = "JibriBrewery";
    nickname = "jibri";
  };
  control.login = {
    domain = "auth.${config.services.jitsi-meet.hostName}";
    username = "jibri";
    passwordFile = "/var/lib/jitsi-meet/jibri-auth-secret";
  };
  call.login = {
    domain = "recorder.${config.services.jitsi-meet.hostName}";
```

```
        username = "recorder";
        passwordFile = "/var/lib/jitsi-meet/jibri-recorder-secret";
      };
      usageTimeout = "0";
      disableCertificateVerification = true;
      stripFromRoomDomain = "conference.";
    };
```

Declared by:
<nixpkgs/nixos/modules/services/networking/jibri/default.nix>

services.jibri.xmppEnvironments.<name>.call.login.domain
The domain part of the JID for the recorder.

Type: string

Example:

```
"recorder.xmpp.example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/jibri/default.nix>

services.jibri.xmppEnvironments.<name>.call.login.passwordFile
File containing the password for the user.

Type: string

Example:

```
"/run/keys/jibri-recorder-xmpp1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/jibri/default.nix>

services.jibri.xmppEnvironments.<name>.call.login.username
User part of the JID for the recorder.

Type: string

Default:

```
"recorder"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/jibri/default.nix>

services.jibri.xmppEnvironments.<name>.control.login.domain
The domain part of the JID for this Jibri instance.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/jibri/default.nix>

services.jibri.xmppEnvironments.<name>.control.login.passwordFile
File containing the password for the user.

Type: string

Example:

```
"/run/keys/jibri-xmpp1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/jibri/default.nix>

services.jibri.xmppEnvironments.<name>.control.login.username
User part of the JID.

Type: string

Default:

```
"jvb"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/jibri/default.nix>

services.jibri.xmppEnvironments.<name>.control.muc.domain
The domain part of the MUC to connect to for control.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/jibri/default.nix>

services.jibri.xmppEnvironments.<name>.control.muc.nickname
The nickname for this Jibri instance in the MUC.

Type: string

Default:

```
"jibri"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/jibri/default.nix>

services.jibri.xmppEnvironments.<name>.control.muc.roomName
The room name of the MUC to connect to for control.

Type: string

Default:

```
"JibriBrewery"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/jibri/default.nix>

services.jibri.xmppEnvironments.<name>.disableCertificateVerification
Whether to skip validation of the server's certificate.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/jibri/default.nix>

services.jibri.xmppEnvironments.<name>.stripFromRoomDomain
The prefix to strip from the room's JID domain to derive the call URL.

Type: string

Default:

```
"0"
```

Example:

```
"conference."
```

Declared by:
<nixpkgs/nixos/modules/services/networking/jibri/default.nix>

services.jibri.xmppEnvironments.<name>.usageTimeout
The duration that the Jibri session can be. A value of zero means indefinitely.

Type: string

Default:

```
"0"
```

Example:

```
"1 hour"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/jibri/default.nix>

services.jibri.xmppEnvironments.<name>.xmppDomain
The base XMPP domain.

Type: string

Example:

```
"xmpp.example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/jibri/default.nix>

services.jibri.xmppEnvironments.<name>.xmppServerHosts
Hostnames of the XMPP servers to connect to.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "xmpp.example.org"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/jibri/default.nix>

services.jicofo.enable
Whether to enable Jitsi Conference Focus − component of Jitsi Meet.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/jicofo.nix>

services.jicofo.bridgeMuc

JID of the internal MUC used to communicate with Videobridges.

Type: string

Example:

```
"jvbbrewery@internal.meet.example.org"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/jicofo.nix>

services.jicofo.componentPasswordFile

Path to file containing component secret.

Type: string

Example:

```
"/run/keys/jicofo-component"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/jicofo.nix>

services.jicofo.config

Contents of the *jicofo.conf* configuration file.

Type: HOCON value

Default:

```
{ }
```

Example:

```
{
  jicofo.bridge.max-bridge-participants = 42;
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/jicofo.nix>

services.jicofo.userDomain

Domain part of the JID for XMPP user connection.

Type: string

Example:

```
"auth.meet.example.org"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/jicofo.nix>

services.jicofo.userName

User part of the JID for XMPP user connection.

Type: string

Default:

```
"focus"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/jicofo.nix>

services.jicofo.userPasswordFile

Path to file containing password for XMPP user connection.

Type: string

Example:

```
"/run/keys/jicofo-user"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/jicofo.nix>

services.jicofo.xmppDomain

Domain name of the XMMP server to which to connect as a component.

If null, **xmppHost** is used.

Type: null or string

Default:

```
null
```

Example:

```
"meet.example.org"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/jicofo.nix>

services.jicofo.xmppHost

Hostname of the XMPP server to connect to.

Type: string

Example:

```
"localhost"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/jicofo.nix>

services.jigasi.enable

Whether to enable Jitsi Gateway to SIP − component of Jitsi Meet.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/jigasi.nix>

services.jigasi.bridgeMuc

JID of the internal MUC used to communicate with Videobridges.

Type: string

Example:

```
"jigasibrewery@internal.meet.example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/jigasi.nix>

services.jigasi.componentPasswordFile
Path to file containing component secret.

Type: string

Example:

```
"/run/keys/jigasi-component"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/jigasi.nix>

services.jigasi.config
Contents of the <filename>sip-communicator.properties</filename> configuration file for jigasi.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  "org.jitsi.jigasi.auth.URL" = "XMPP:jitsi-meet.example.com";
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/jigasi.nix>

services.jigasi.defaultJvbRoomName
Name of the default JVB room that will be joined if no special header is included in SIP invite.

Type: string

Default:

```
""
```

Example:

```
"siptest"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/jigasi.nix>

services.jigasi.environmentFile
File containing environment variables to be passed to the jigasi service, in which secret tokens can be specified securely by defining values for <literal>JIGASI_SIPUSER</literal>, <literal>JIGASI_SIPPWD</literal>, <literal>JIGASI_SIPSERVER</literal> and <literal>JIGASI_SIPPORT</literal>.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/jigasi.nix>

services.jigasi.userDomain

Domain part of the JID for XMPP user connection.

Type: string

Example:

```
"internal.meet.example.org"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/jigasi.nix>

services.jigasi.userName

User part of the JID for XMPP user connection.

Type: string

Default:

```
"callcontrol"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/jigasi.nix>

services.jigasi.userPasswordFile

Path to file containing password for XMPP user connection.

Type: string

Example:

```
"/run/keys/jigasi-user"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/jigasi.nix>

services.jigasi.xmppDomain

Domain name of the XMMP server to which to connect as a component.

If null, <option>xmppHost</option> is used.

Type: null or string

Default:

```
null
```

Example:

```
"meet.example.org"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/jigasi.nix>

services.jigasi.xmppHost

Hostname of the XMPP server to connect to.

Type: string

Example:

```
"localhost"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/jigasi.nix>

services.jirafeau.enable

Whether to enable Jirafeau file upload application.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.package

The jirafeau package to use.

Type: package

Default:

```
pkgs.jirafeau
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.adminPasswordSha256

SHA−256 of the desired administration password. Leave blank/unset for no password.

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.dataDir

Location of Jirafeau storage directory.

Type: absolute path

Default:

```
"/var/lib/jirafeau/data/"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.extraConfig

Jirefeau configuration. Refer to **https://gitlab.com/mojo42/Jirafeau/−/blob/4.4.0/lib/config.original.php** for supported values.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
$cfg['style'] = 'courgette';
$cfg['organisation'] = 'ACME';
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.hostName
URL of instance. Must have trailing slash.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.maxUploadSizeMegabytes
Maximum upload size of accepted files.

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.maxUploadTimeout
Timeout for reading client request bodies and headers. Refer to **http://nginx.org/en/docs/http/ngx_http_core_module.html#client_body_timeout** and **http://nginx.org/en/docs/http/ngx_http_core_module.html#client_header_timeout** for accepted values.

Type: string

Default:

```
"30m"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig
Extra configuration for the nginx virtual host of Jirafeau.

Type: submodule

Default:

```
{ }
```

Example:

```
{
  serverAliases = [ "wiki.${config.networking.domain}" ];
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.enableACME
Whether to ask Let's Encrypt to sign a certificate for this vhost. Alternately, you can use an existing certificate through **useACMEHost**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.acmeFallbackHost
Host which to proxy requests to if ACME challenge is not found. Useful if you want multiple hosts to be able to verify the same domain name.

With this option, you could request certificates for the present domain with an ACME client that is running on another host, which you would specify here.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.acmeRoot
Directory for the ACME challenge, which is **public**. Don't put certs or keys in here. Set to null to inherit from config.security.acme.

Type: null or string

Default:

```
"/var/lib/acme/acme−challenge"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.addSSL
Whether to enable HTTPS in addition to plain HTTP. This will set defaults for 'listen' to listen on all interfaces on the respective default ports (80, 443).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.basicAuth
Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.basicAuthFile

Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.default

Makes this vhost the default.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.extraConfig

These lines go to the end of the vhost verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.forceSSL

Whether to add a separate nginx server block that redirects (defaults to 301, configurable with ‘redirectCode’) all plain HTTP traffic to HTTPS. This will set defaults for ‘listen’ to listen on all interfaces on the respective default ports (80, 443), where the non−SSL listens are used for the redirect vhosts.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.globalRedirect

If set, all requests for this host are redirected (defaults to 301, configurable with ‘redirectCode’) to the given hostname.

Type: null or string

Default:

```
null
```

Example:

```
"newserver.example.org"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.http2

Whether to enable the HTTP/2 protocol. Note that (as of writing) due to nginx's implementation, to disable HTTP/2 you have to disable it on all vhosts that use a given IP address / port. If there is one server block configured to enable http2, then it is enabled for all server blocks on this IP. See **https://stackoverflow.com/a/39466948/263061**.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.http3

Whether to enable the HTTP/3 protocol. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that HTTP/3 support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/** HTTP/3 availability must be manually advertised, preferably in each location block.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.http3_hq

Whether to enable the HTTP/0.9 protocol negotiation used in QUIC interoperability tests. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that special application protocol support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.kTLS

Whether to enable kTLS support. Implementing TLS in the kernel (kTLS) improves performance by significantly reducing the need for copying operations between user space and the kernel. Required Nginx version 1.21.4 or later.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.listen

Listen addresses and ports for this virtual host. IPv6 addresses must be enclosed in square brackets. Note: this option overrides 'addSSL' and 'onlySSL'.

If you only want to set the addresses manually and not the ports, take a look at 'listenAddresses'.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    addr = "195.154.1.1";
    port = 443;
    ssl = true;
  }
  {
    addr = "192.154.1.1";
    port = 80;
  }
  {
    addr = "unix:/var/run/nginx.sock";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.listen.*.addr
Listen address.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.listen.*.extraParameters
Extra parameters of this listen directive.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "backlog=1024"
  "deferred"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.listen.*.port
Port number to listen on. If unset and the listen address is not a socket then nginx defaults to 80.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.listen.*.proxyProtocol

Enable PROXY protocol.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.listen.*.ssl

Enable SSL.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.listenAddresses

Listen addresses for this virtual host. Compared to ‘listen’ this only sets the addresses and the ports are chosen automatically.

Note: This option overrides ‘networking.enableIPv6’

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "127.0.0.1"
  "[::1]"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.locations

Declarative location config

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "/" = {
    proxyPass = "http://localhost:3000";
  };
};
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.locations.<name>.alias
Alias directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/alias/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.locations.<name>.basicAuth
Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.locations.<name>.basicAuthFile
Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.locations.<name>.extraConfig
These lines go to the end of the location verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.locations.<name>.fastcgiParams
FastCGI parameters to override. Unlike in the Nginx configuration file, overriding only some default parameters won’t unset the default values for other parameters.

Type: attribute set of (string or absolute path)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.locations.<name>.index
Adds index directive.

Type: null or string

Default:

```
null
```

Example:

```
"index.php index.html"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.locations.<name>.priority
Order of this location block in relation to the others in the vhost. The semantics are the same as with ‘lib.mkOrder’. Smaller values have a greater priority.

Type: signed integer

Default:

```
1000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.locations.<name>.proxyPass
Adds proxy_pass directive and sets recommended proxy headers if recommendedProxySettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"http://www.example.org/"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.locations.<name>.proxyWebsockets
Whether to support proxying websocket connections with HTTP/1.1.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.locations.<name>.recommendedProxySettings
Enable recommended proxy settings.

Type: boolean

Default:

```
config.services.nginx.recommendedProxySettings
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.locations.<name>.recommendedUwsgiSettings
Enable recommended uwsgi settings.

Type: boolean

Default:

```
config.services.nginx.recommendedUwsgiSettings
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.locations.<name>.return
Adds a return directive, for e.g. redirections.

Type: null or string or signed integer

Default:

```
null
```

Example:

```
"301 http://example.com$request_uri"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.locations.<name>.root
Root directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/root/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.locations.<name>.tryFiles
Adds try_files directive.

Type: null or string

Default:

```
null
```

Example:

```
"$uri =404"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.locations.<name>.uwsgiPass
Adds uwsgi_pass directive and sets recommended proxy headers if recommendedUwsgiSettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"unix:/run/example/example.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.onlySSL
Whether to enable HTTPS and reject plain HTTP connections. This will set defaults for 'listen' to listen on all interfaces on port 443.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.quic
Whether to enable the QUIC transport protocol. Note that QUIC support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.redirectCode
HTTP status used by 'globalRedirect' and 'forceSSL'. Possible usecases include temporary (302, 307) redirects, keeping the request method and body (307, 308), or explicitly resetting the method to GET (303). See **https://developer.mozilla.org/en−US/docs/Web/HTTP/Redirections**.

Type: integer between 300 and 399 (both inclusive)

Default:

```
301
```

Example:

```
308
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.rejectSSL

Whether to listen for and reject all HTTPS connections to this vhost. Useful in **default** server blocks to avoid serving the certificate for another vhost. Uses the 'ssl_reject_handshake' directive available in nginx versions 1.19.4 and above.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.reuseport

Create an individual listening socket . It is required to specify only once on one of the hosts.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.root

The path of the web root directory.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/data/webserver/docs"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.serverAliases

Additional names of virtual hosts served by this virtual host configuration.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
  "example.org"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.serverName

Name of this virtual host. Defaults to attribute name in virtualHosts.

Type: null or string

Default:

```
null
```

Example:

```
"example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.sslCertificate
Path to server SSL certificate.

Type: absolute path

Example:

```
"/var/host.cert"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.sslCertificateKey
Path to server SSL certificate key.

Type: absolute path

Example:

```
"/var/host.key"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.sslTrustedCertificate
Path to root SSL certificate for stapling and client certificates.

Type: null or absolute path

Default:

```
null
```

Example:

```
"${pkgs.cacert}/etc/ssl/certs/ca−bundle.crt"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jirafeau.nginxConfig.useACMEHost
A host of an existing Let's Encrypt certificate to use. This is useful if you have many subdomains and want to avoid hitting the **rate limit**. Alternately, you can generate a certificate through **enableACME**. *Note that this option does not create any certificates, nor it does add subdomains to existing ones – you will need to create them manually using* **security.acme.certs**[2].

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

2. see the **security.acme.certs** option

services.jirafeau.poolConfig

Options for Jirafeau PHP pool. See documentation on ‘php−fpm.conf’ for details on configuration directives.

Type: attribute set of (string or signed integer or boolean)

Default:

```
{
  pm = "dynamic";
  "pm.max_children" = 32;
  "pm.max_requests" = 500;
  "pm.max_spare_servers" = 4;
  "pm.min_spare_servers" = 2;
  "pm.start_servers" = 2;
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/jirafeau.nix>

services.jitsi−meet.enable

Whether to enable Jitsi Meet − Secure, Simple and Scalable Video Conferences.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/jitsi−meet.nix>

services.jitsi−meet.caddy.enable

Whether to enable caddy reverse proxy to expose jitsi−meet.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/jitsi−meet.nix>

services.jitsi−meet.config

Client−side web application settings that override the defaults in *config.js*.

See **https://github.com/jitsi/jitsi−meet/blob/master/config.js** for default configuration with comments.

Type: attribute set

Default:

```
{ }
```

Example:

```
{
  enableWelcomePage = false;
  defaultLang = "fi";
```

```
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jitsi−meet.nix>

services.jitsi−meet.excalidraw.enable
Whether to enable Excalidraw collaboration backend for Jitsi.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jitsi−meet.nix>

services.jitsi−meet.excalidraw.port
The port which the Excalidraw backend for Jitsi should listen to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3002
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jitsi−meet.nix>

services.jitsi−meet.extraConfig
Text to append to *config.js* web application config file.

Can be used to insert JavaScript logic to determine user's region in cascading bridges setup.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jitsi−meet.nix>

services.jitsi−meet.hostName
FQDN of the Jitsi Meet instance.

Type: string

Example:

```
"meet.example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jitsi−meet.nix>

services.jitsi−meet.interfaceConfig
Client−side web−app interface settings that override the defaults in *interface_config.js*.

See **https://github.com/jitsi/jitsi−meet/blob/master/interface_config.js** for default configuration with comments.

Type: attribute set

Default:

```
{ }
```

Example:

```
{
  SHOW_JITSI_WATERMARK = false;
  SHOW_WATERMARK_FOR_GUESTS = false;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jitsi−meet.nix>

services.jitsi−meet.jibri.enable
Whether to enable a Jibri instance and configure it to connect to Prosody.

Additional configuration is possible with **services.jibri**, and **services.jibri.finalizeScript** is especially useful.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jitsi−meet.nix>

services.jitsi−meet.jicofo.enable
Whether to enable JiCoFo instance and configure it to connect to Prosody.

Additional configuration is possible with **services.jicofo**.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jitsi−meet.nix>

services.jitsi−meet.jigasi.enable
Whether to enable jigasi instance and configure it to connect to Prosody.

Additional configuration is possible with <option>services.jigasi</option>.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jitsi−meet.nix>

services.jitsi−meet.nginx.enable
Whether to enable nginx virtual host that will serve the javascript application and act as a proxy for the XMPP server. Further nginx configuration can be done by adapting **services.nginx.virtualHosts.<hostName>**. When this is enabled, ACME will be used to retrieve a TLS certificate by default. To disable this, set the **services.nginx.virtualHosts.<hostName>.enableACME** to ‘false’ and if appropriate do the same for **services.nginx.virtualHosts.<hostName>.forceSSL**.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jitsi−meet.nix>

services.jitsi−meet.prosody.enable
Whether to configure Prosody to relay XMPP messages between Jitsi Meet components. Turn this off if you want to configure it manually.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jitsi−meet.nix>

services.jitsi−meet.prosody.allowners_muc
Add module allowners, any user in chat is able to kick other. Usefull in jitsi−meet to kick ghosts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jitsi−meet.nix>

services.jitsi−meet.prosody.lockdown
Whether to disable Prosody features not needed by Jitsi Meet.

The default Prosody configuration assumes that it will be used as a general−purpose XMPP server rather than as a companion service for Jitsi Meet. This option reconfigures Prosody to only listen on localhost without support for TLS termination, XMPP federation or the file transfer proxy.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jitsi−meet.nix>

services.jitsi−meet.secureDomain.enable
Whether to enable Authenticated room creation.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jitsi−meet.nix>

services.jitsi−meet.secureDomain.authentication
The authentication type to be used by jitsi

Type: string

Default:

```
"internal_hashed"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jitsi−meet.nix>

services.jitsi−meet.videobridge.enable
Jitsi Videobridge instance and configure it to connect to Prosody.

Additional configuration is possible with **services.jitsi−videobridge**

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jitsi−meet.nix>

services.jitsi−meet.videobridge.passwordFile
File containing password to the Prosody account for videobridge.

If ‘null’, a file with password will be generated automatically. Setting this option is useful if you plan to connect additional videobridges to the XMPP server.

Type: null or string

Default:

```
null
```

Example:

```
"/run/keys/videobridge"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/jitsi−meet.nix>

services.jitsi−videobridge.enable
Whether to enable Jitsi Videobridge, a WebRTC compatible video router.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/jitsi−videobridge.nix>

services.jitsi−videobridge.colibriRestApi
Whether to enable the private rest API for the COLIBRI control interface. Needed for monitoring jitsi, enabling scraping of the /colibri/stats endpoint.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/jitsi−videobridge.nix>

services.jitsi−videobridge.config
Videobridge configuration.

See **https://github.com/jitsi/jitsi−videobridge/blob/master/jvb/src/main/resources/reference.conf** for default configuration with comments.

Type: attribute set

Default:

```
{ }
```

Example:

```
{
  videobridge = {
    ice.udp.port = 5000;
    websockets = {
      enabled = true;
      server−id = "jvb1";
    };
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/jitsi−videobridge.nix>

services.jitsi−videobridge.extraProperties
Additional Java properties passed to jitsi−videobridge.

Type: attribute set of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/jitsi−videobridge.nix>

services.jitsi−videobridge.nat.harvesterAddresses
Addresses of public STUN services to use to automatically find the public and local addresses of this Jitsi−Videobridge instance without the need for manual configuration.

This option is ignored if **services.jitsi−videobridge.nat.localAddress** and **services.jitsi−videobridge.nat.publicAddress** are set.

Type: list of string

Default:

```
[
  "stunserver.stunprotocol.org:3478"
  "stun.framasoft.org:3478"
  "meet−jit−si−turnrelay.jitsi.net:443"
]
```

Example:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/jitsi-videobridge.nix>

services.jitsi-videobridge.nat.localAddress
Local address to assume when running behind NAT.

Type: null or string

Default:

```
null
```

Example:

```
"192.168.1.42"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/jitsi-videobridge.nix>

services.jitsi-videobridge.nat.publicAddress
Public address to assume when running behind NAT.

Type: null or string

Default:

```
null
```

Example:

```
"1.2.3.4"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/jitsi-videobridge.nix>

services.jitsi-videobridge.openFirewall
Whether to open ports in the firewall for the videobridge.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/jitsi-videobridge.nix>

services.jitsi-videobridge.xmppConfigs
XMPP servers to connect to.

See **https://github.com/jitsi/jitsi-videobridge/blob/master/doc/muc.md** for more information.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "localhost" = {
    hostName = "localhost";
    userName = "jvb";
    domain = "auth.xmpp.example.org";
    passwordFile = "/var/lib/jitsi-meet/videobridge-secret";
    mucJids = "jvbbrewery@internal.xmpp.example.org";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/jitsi-videobridge.nix>

services.jitsi-videobridge.xmppConfigs.<name>.disableCertificateVerification
Whether to skip validation of the server's certificate.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/jitsi-videobridge.nix>

services.jitsi-videobridge.xmppConfigs.<name>.domain
Domain part of JID of the XMPP user, if it is different from hostName.

Type: null or string

Default:

```
null
```

Example:

```
"auth.xmpp.example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/jitsi-videobridge.nix>

services.jitsi-videobridge.xmppConfigs.<name>.hostName
Hostname of the XMPP server to connect to. Name of the attribute set is used by default.

Type: string

Example:

```
"xmpp.example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/jitsi-videobridge.nix>

services.jitsi-videobridge.xmppConfigs.<name>.mucJids
JID of the MUC to join. JiCoFo needs to be configured to join the same MUC.

Type: string

Example:

```
"jvbbrewery@internal.xmpp.example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/jitsi-videobridge.nix>

services.jitsi-videobridge.xmppConfigs.<name>.mucNickname
Videobridges use the same XMPP account and need to be distinguished by the nickname (aka resource part of the JID). By default, system hostname is used.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/jitsi-videobridge.nix>

services.jitsi−videobridge.xmppConfigs.<name>.passwordFile
File containing the password for the user.

Type: string

Example:

```
"/run/keys/jitsi−videobridge−xmpp1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/jitsi−videobridge.nix>

services.jitsi−videobridge.xmppConfigs.<name>.userName
User part of the JID.

Type: string

Default:

```
"jvb"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/jitsi−videobridge.nix>

services.jitterentropy−rngd.enable
Whether to enable jitterentropy−rngd service configuration.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/jitterentropy−rngd.nix>

services.jitterentropy−rngd.package
The jitterentropy−rngd package to use.

Type: package

Default:

```
pkgs.jitterentropy−rngd
```

Declared by:
<nixpkgs/nixos/modules/services/security/jitterentropy−rngd.nix>

services.jmusicbot.enable
Whether to enable jmusicbot, a Discord music bot that’s easy to set up and run yourself.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/audio/jmusicbot.nix>

services.jmusicbot.package

The jmusicbot package to use.

Type: package

Default:

```
pkgs.jmusicbot
```

Declared by:

<nixpkgs/nixos/modules/services/audio/jmusicbot.nix>

services.jmusicbot.stateDir

The directory where config.txt and serversettings.json is saved. If left as the default value this directory will automatically be created before JMusicBot starts, otherwise the sysadmin is responsible for ensuring the directory exists with appropriate ownership and permissions. Untouched by the value of this option config.txt needs to be placed manually into this directory.

Type: absolute path

Default:

```
"/var/lib/jmusicbot/"
```

Declared by:

<nixpkgs/nixos/modules/services/audio/jmusicbot.nix>

services.jotta-cli.enable

Whether to enable Jottacloud Command-line Tool.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/jotta-cli.nix>

services.jotta-cli.package

The jotta-cli package to use.

Type: package

Default:

```
pkgs.jotta-cli
```

Declared by:

<nixpkgs/nixos/modules/services/networking/jotta-cli.nix>

services.jotta-cli.options

Command-line options passed to jottad.

Type: list of string

Default:

```
[
  "stdoutlog"
  "datadir"
  "%h/.jottad/"
]
```

Example:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/jotta-cli.nix>

services.journalbeat.enable
Whether to enable journalbeat.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/logging/journalbeat.nix>

services.journalbeat.package
The journalbeat package to use.

Type: package

Default:

```
pkgs.journalbeat
```

Declared by:
<nixpkgs/nixos/modules/services/logging/journalbeat.nix>

services.journalbeat.extraConfig
Any other configuration options you want to add

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/logging/journalbeat.nix>

services.journalbeat.name
Name of the beat

Type: string

Default:

```
"journalbeat"
```

Declared by:
<nixpkgs/nixos/modules/services/logging/journalbeat.nix>

services.journalbeat.stateDir
Directory below ‘/var/lib/’ to store journalbeat’s own logs and other data. This directory will be created automatically using systemd’s StateDirectory mechanism.

Type: string

Default:

```
"journalbeat"
```

Declared by:
<nixpkgs/nixos/modules/services/logging/journalbeat.nix>

services.journalbeat.tags
Tags to place on the shipped log messages

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/logging/journalbeat.nix>

services.journald.audit
If enabled systemd−journald will turn on auditing on start−up. If disabled it will turn it off. If unset it will neither enable nor disable it, leaving the previous state unchanged.

NixOS defaults to leaving this unset as enabling audit without auditd running leads to spamming /dev/kmesg with random messages and if you enable auditd then auditd is responsible for turning auditing on.

If you want to have audit logs in journald and do not mind audit logs also ending up in /dev/kmesg you can set this option to true.

If you want to for some ununderstandable reason disable auditing if auditd enabled it then you can set this option to false. It is of NixOS' opinion that setting this to false is definitely the wrong thing to do − but it's an option.

Type: boolean or value "keep" (singular enum)

Default:

```
"keep"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/journald.nix>

services.journald.console
If non−empty, write log messages to the specified TTY device.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/journald.nix>

services.journald.extraConfig
Extra config options for systemd−journald. See **journald.conf**(5) for available options.

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
"Storage=volatile"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/journald.nix>

services.journald.forwardToSyslog
Whether to forward log messages to syslog.

Type: boolean

Default:

```
services.rsyslogd.enable || services.syslog-ng.enable
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/journald.nix>

services.journald.gateway.enable
Whether to enable the HTTP gateway to the journal.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/journald-gateway.nix>

services.journald.gateway.cert
The path to a file or 'AF_UNIX' stream socket to read the server certificate from.

The certificate must be in PEM format. This option switches 'systemd-journal-gatewayd' into HTTPS mode and must be used together with **services.journald.gateway.key**.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/journald-gateway.nix>

services.journald.gateway.key
Specify the path to a file or 'AF_UNIX' stream socket to read the secret server key corresponding to the certificate specified with **services.journald.gateway.cert** from.

The key must be in PEM format.

This key should not be world-readable, and must be readably by the 'systemd-journal-gateway' user.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/journald-gateway.nix>

services.journald.gateway.merge
Serve entries interleaved from all available journals, including other machines.

This has the same meaning as '--merge' option for **journalctl**(1).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/journald−gateway.nix>

services.journald.gateway.port
The port to listen to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
19531
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/journald−gateway.nix>

services.journald.gateway.system
Serve entries from system services and the kernel.

This has the same meaning as '−−system' for **journalctl**(1).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/journald−gateway.nix>

services.journald.gateway.trust
Specify the path to a file or 'AF_UNIX' stream socket to read a CA certificate from.

The certificate must be in PEM format.

Setting this option enforces client certificate checking.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/journald−gateway.nix>

services.journald.gateway.user
Serve entries from services for the current user.

This has the same meaning as '−−user' for **journalctl**(1).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/journald−gateway.nix>

services.journald.rateLimitBurst
Configures the rate limiting burst limit (number of messages per interval) that is applied to all messages generated on the system. This rate limiting is applied per−service, so that two services which log do not interfere with each other's limit.

Note that the effective rate limit is multiplied by a factor derived from the available free disk space for the journal as described on **journald.conf**(5).

Note that the total amount of logs stored is limited by journald settings such as 'SystemMaxUse', which defaults to 10% the file system size (capped at max 4GB), and 'SystemKeepFree', which defaults to 15%

of the file system size.

It is thus recommended to compute what period of time that you will be able to store logs for when an application logs at full burst rate. With default settings for log lines that are 100 Bytes long, this can amount to just a few hours.

Type: signed integer

Default:

```
10000
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/journald.nix>

services.journald.rateLimitInterval
Configures the rate limiting interval that is applied to all messages generated on the system. This rate limiting is applied per−service, so that two services which log do not interfere with each other's limit. The value may be specified in the following units: s, min, h, ms, us. To turn off any kind of rate limiting, set either value to 0.

See **services.journald.rateLimitBurst** for important considerations when setting this value.

Type: string

Default:

```
"30s"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/journald.nix>

services.journald.remote.enable
Whether to enable receiving systemd journals from the network.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/journald−remote.nix>

services.journald.remote.listen
Which protocol to listen to.

Type: one of "https", "http"

Default:

```
"https"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/journald−remote.nix>

services.journald.remote.output
The location of the output journal.

In case the output file is not specified, journal files will be created underneath the selected directory. Files will be called *remote−hostname.journal*, where the 'hostname' part is the escaped hostname of the source endpoint of the connection, or the numerical address if the hostname cannot be determined.

Type: string

Default:

```
"/var/log/journal/remote/"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/journald−remote.nix>

services.journald.remote.port

The port to listen to.

Note that this option is used only if **services.journald.upload.listen** is configured to be either “https” or “http”.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
19532
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/journald−remote.nix>

services.journald.remote.settings

Configuration in the journal−remote configuration file. See **journal−remote.conf**(5) for available options.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string) or a list of them for duplicate keys)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/journald−remote.nix>

services.journald.remote.settings.Remote.Seal

Periodically sign the data in the journal using Forward Secure Sealing.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/journald−remote.nix>

services.journald.remote.settings.Remote.ServerCertificateFile

A path to a SSL certificate file in PEM format.

This option can be used with ‘listen = "https"’. If the path refers to an ‘AF_UNIX’ stream socket in the file system a connection is made to it and the certificate read from it.

Type: string

Default:

```
"/etc/ssl/certs/journal−remote.pem"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/journald−remote.nix>

services.journald.remote.settings.Remote.ServerKeyFile

A path to a SSL secret key file in PEM format.

Note that due to security reasons, ‘systemd−journal−remote’ will refuse files from the world−readable ‘/nix/store’. This file should be readable by the “” user.

This option can be used with ‘listen = "https"’. If the path refers to an ‘AF_UNIX’ stream socket in the file system a connection is made to it and the key read from it.

Type: string

Default:

```
"/etc/ssl/private/journal-remote.pem"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/journald−remote.nix>

services.journald.remote.settings.Remote.SplitMode

With “host”, a separate output file is used, based on the hostname of the other endpoint of a connection. With “none”, only one output journal file is used.

Type: one of “host”, “none”

Default:

```
"host"
```

Example:

```
"none"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/journald−remote.nix>

services.journald.remote.settings.Remote.TrustedCertificateFile

A path to a SSL CA certificate file in PEM format, or ‘all’.

If ‘all’ is set, then client certificate checking will be disabled.

This option can be used with ‘listen = "https"’. If the path refers to an ‘AF_UNIX’ stream socket in the file system a connection is made to it and the certificate read from it.

Type: string

Default:

```
"/etc/ssl/ca/trusted.pem"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/journald−remote.nix>

services.journald.storage

Controls where to store journal data. See **journald.conf**(5) for further information.

Type: one of “persistent”, “volatile”, “auto”, “none”

Default:

```
"persistent"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/journald.nix>

services.journald.upload.enable

Whether to enable uploading the systemd journal to a remote server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/journald−upload.nix>

services.journald.upload.settings

Configuration for journal−upload. See **journal−upload.conf**(5) for available options.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string) or a list of them for duplicate keys)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/journald−upload.nix>

services.journald.upload.settings.Upload.NetworkTimeoutSec

When network connectivity to the server is lost, this option configures the time to wait for the connectivity to get restored.

If the server is not reachable over the network for the configured time, ‘systemd−journal−upload’ exits. Takes a value in seconds (or in other time units if suffixed with “ms”, “min”, “h”, etc). For details, see **systemd.time**(5).

Type: null or string

Default:

```
null
```

Example:

```
"1s"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/journald−upload.nix>

services.journald.upload.settings.Upload.ServerCertificateFile

SSL CA certificate in PEM format.

In contrary to what the name suggests, this option configures the client certificate sent to the remote journal server.

Type: null or string

Default:

```
null
```

Example:

```
./server−ca.pem
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/journald−upload.nix>

services.journald.upload.settings.Upload.ServerKeyFile
SSL key in PEM format.

In contrary to what the name suggests, this option configures the client private key sent to the remote journal server.

This key should not be world−readable, and must be readably by the ‘systemd−journal’ group.

Type: null or string

Default:

```
null
```

Example:

```
./server−key.pem
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/journald−upload.nix>

services.journald.upload.settings.Upload.TrustedCertificateFile
SSL CA certificate.

This certificate will be used to check the remote journal HTTPS server certificate.

Type: null or string

Default:

```
null
```

Example:

```
./ca
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/journald−upload.nix>

services.journald.upload.settings.Upload.URL
The URL to upload the journal entries to.

See the description of ‘−−url=’ option in **systemd−journal−upload**(8) for the description of possible values.

Type: string

Example:

```
"https://192.168.1.1"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/journald−upload.nix>

services.journaldriver.enable
Whether to enable journaldriver to forward journald logs to Stackdriver Logging.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/logging/journaldriver.nix>

services.journaldriver.applicationCredentials

Path to the service account private key (in JSON−format) used to forward log entries to Stackdriver Logging on non−GCP instances.

This option is required on non−GCP machines, but should not be set on GCP instances.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/logging/journaldriver.nix>

services.journaldriver.googleCloudProject

Configures the name of the Google Cloud project to which to forward journald logs.

This option is required on non−GCP machines, but should not be set on GCP instances.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/logging/journaldriver.nix>

services.journaldriver.logLevel

Log level at which journaldriver logs its own output.

Type: string

Default:

```
"info"
```

Declared by:

<nixpkgs/nixos/modules/services/logging/journaldriver.nix>

services.journaldriver.logName

Configures the name of the target log in Stackdriver Logging. This option can be set to, for example, the hostname of a machine to improve the user experience in the logging overview.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/logging/journaldriver.nix>

services.journaldriver.logStream

Configures the name of the Stackdriver Logging log stream into which to write journald entries.

This option is required on non−GCP machines, but should not be set on GCP instances.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/logging/journaldriver.nix>

services.journalwatch.enable

If enabled, periodically check the journal with journalwatch and report the results by mail.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/logging/journalwatch.nix>

services.journalwatch.package

The journalwatch package to use.

Type: package

Default:

```
pkgs.journalwatch
```

Declared by:

<nixpkgs/nixos/modules/services/logging/journalwatch.nix>

services.journalwatch.accuracy

The time window around the interval in which the journalwatch run will be scheduled.

The format is described in **systemd.time**(7).

Type: string

Default:

```
"10min"
```

Declared by:

<nixpkgs/nixos/modules/services/logging/journalwatch.nix>

services.journalwatch.extraConfig

Extra lines to be added verbatim to the journalwatch/config configuration file. You can add any commandline argument to the config, without the '–'. See 'journalwatch −−help' for all arguments and their description.

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/logging/journalwatch.nix>

services.journalwatch.filterBlocks

filterBlocks can be defined to blacklist journal messages which are not errors. Each block matches on a log entry field, and the filters in that block then are matched against all messages with a matching log entry field.

All messages whose PRIORITY is at least 6 (INFO) are processed by journalwatch. If you don't specify any filterBlocks, PRIORITY is reduced to 5 (NOTICE) by default.

All regular expressions are extended Python regular expressions, for details see: http://doc.pyschools.com/html/regex.html

Type: list of (submodule)

Default:

```
[
  {
```

```
      filters = ''
        (Stopped|Stopping|Starting|Started) .*
        (Created slice|Removed slice) user-\d*\.slice\.
        Received SIGRTMIN\+24 from PID .*
        (Reached target|Stopped target) .*
        Startup finished in \d*ms\.
      '';
      match = "SYSLOG_IDENTIFIER = systemd";
    }
  ]
```

Example:

```
  [
    {
      filters = ''
        New session [a-z]?\d+ of user \w+\.
        Removed session [a-z]?\d+\.
      '';
      match = "_SYSTEMD_UNIT = systemd-logind.service";
    }
    {
      filters = ''
        pam_unix\(crond:session\): session (opened|closed) for user \
 \w+
        \(\w+\) CMD .*
      '';
      match = "SYSLOG_IDENTIFIER = /(CROND|crond)/";
    }
  ]
```

Declared by:

<nixpkgs/nixos/modules/services/logging/journalwatch.nix>

services.journalwatch.filterBlocks.*.filters

The filters to apply on all messages which satisfy **match**. Any of those messages that match any specified filter will be removed from journalwatch's output. Each filter is an extended Python regular expression. You can specify multiple filters and separate them by newlines. Lines starting with '#' are comments. Inline-comments are not permitted.

Type: string

Example:

```
(Stopped|Stopping|Starting|Started) .*
(Reached target|Stopped target) .*
```

Declared by:

<nixpkgs/nixos/modules/services/logging/journalwatch.nix>

services.journalwatch.filterBlocks.*.match

Syntax: 'field = value' Specifies the log entry 'field' this block should apply to. If the 'field' of a message matches this 'value', this patternBlock's **filters** are applied. If 'value' starts and ends with a slash, it is interpreted as an extended python regular expression, if not, it's an exact match. The journal fields are explained in **systemd.journal-fields**(7).

Type: string

Example:

```
"SYSLOG_IDENTIFIER = systemd"
```

Declared by:
<nixpkgs/nixos/modules/services/logging/journalwatch.nix>

services.journalwatch.interval
How often to run journalwatch.

The format is described in **systemd.time**(7).

Type: string

Default:

```
"hourly"
```

Declared by:
<nixpkgs/nixos/modules/services/logging/journalwatch.nix>

services.journalwatch.mailBinary
Sendmail−compatible binary to be used to send the messages.

Type: absolute path

Default:

```
"/run/wrappers/bin/sendmail"
```

Declared by:
<nixpkgs/nixos/modules/services/logging/journalwatch.nix>

services.journalwatch.mailFrom
Mail address to send journalwatch reports from.

Type: string

Default:

```
"journalwatch@${config.networking.hostName}"
```

Declared by:
<nixpkgs/nixos/modules/services/logging/journalwatch.nix>

services.journalwatch.mailTo
Mail address to send journalwatch reports to.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/logging/journalwatch.nix>

services.journalwatch.priority
Lowest priority of message to be considered. A value between 7 (“debug”), and 0 (“emerg”). Defaults to 6 (“info”). If you don’t care about anything with “info” priority, you can reduce this to e.g. 5 (“notice”) to considerably reduce the amount of messages without needing many **filterBlocks**.

Type: integer between 0 and 7 (both inclusive)

Default:

```
6
```

Declared by:
<nixpkgs/nixos/modules/services/logging/journalwatch.nix>

services.joycond.enable
Whether to enable support for Nintendo Pro Controllers and Joycons.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/joycond.nix>

services.joycond.package
The joycond package to use.

Type: package

Default:

```
pkgs.joycond
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/joycond.nix>

services.jupyter.enable
Whether to enable Jupyter development server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/development/jupyter/default.nix>

services.jupyter.package
The jupyter package to use.

Type: package

Default:

```
pkgs.python3.pkgs.jupyter
```

Declared by:
<nixpkgs/nixos/modules/services/development/jupyter/default.nix>

services.jupyter.command
Which command the service runs. Note that not all jupyter packages have all commands, e.g. ‘jupyter lab’ isn’t present in the ‘notebook’ package.

Type: string

Default:

```
"jupyter notebook"
```

Example:

```
"jupyter lab"
```

Declared by:
<nixpkgs/nixos/modules/services/development/jupyter/default.nix>

services.jupyter.extraEnvironmentVariables
Extra environment variables to be set in the runtime context of jupyter notebook

Type: attribute set of (null or (list of (signed integer or string or absolute path)) or signed integer or string or absolute path)

Default:

```
{ }
```

Example:

```
{
  PLAYWRIGHT_BROWSERS_PATH = "${pkgs.playwright-driver.browsers}";
  PLAYWRIGHT_SKIP_VALIDATE_HOST_REQUIREMENTS = "true";
}
```

Declared by:
<nixpkgs/nixos/modules/services/development/jupyter/default.nix>

services.jupyter.extraPackages
Extra packages to be available in the jupyter runtime environment

Type: list of package

Default:

```
[ ]
```

Example:

```
[
  pkgs.python3.pkgs.nbconvert
  pkgs.python3.pkgs.playwright
]
```

Declared by:
<nixpkgs/nixos/modules/services/development/jupyter/default.nix>

services.jupyter.group
Name of the group used to run the jupyter service. Use this if you want to create a group of users that are able to view the notebook directory's content.

Type: string

Default:

```
"jupyter"
```

Example:

```
"users"
```

Declared by:
<nixpkgs/nixos/modules/services/development/jupyter/default.nix>

services.jupyter.ip
IP address Jupyter will be listening on.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/development/jupyter/default.nix>

services.jupyter.kernels
Declarative kernel config.

Kernels can be declared in any language that supports and has the required dependencies to communicate with a jupyter server. In python's case, it means that ipykernel package must always be included in the list of packages of the targeted environment.

Type: null or (attribute set of (open submodule of (JSON value)))

Default:

```
null
```

Example:

```
{
  python3 = let
    env = (pkgs.python3.withPackages (pythonPackages: with pythonPa \
ckages; [
              ipykernel
              pandas
              scikit-learn
            ]));
  in {
    displayName = "Python 3 for machine learning";
    argv = [
      "${env.interpreter}"
      "-m"
      "ipykernel_launcher"
      "-f"
      "{connection_file}"
    ];
    language = "python";
    logo32 = "${env.sitePackages}/ipykernel/resources/logo-32x32.p \
ng";
    logo64 = "${env.sitePackages}/ipykernel/resources/logo-64x64.p \
ng";
    extraPaths = {
      "cool.txt" = pkgs.writeText "cool" "cool content";
    };
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/development/jupyter/default.nix>

services.jupyter.kernels.<name>.argv
Command and arguments to start the kernel.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
```

```
  "{customEnv.interpreter}"
  "-m"
  "ipykernel_launcher"
  "-f"
  "{connection_file}"
]
```

Declared by:
<nixpkgs/nixos/modules/services/development/jupyter/default.nix>

services.jupyter.kernels.<name>.displayName
Name that will be shown to the user.

Type: string

Default:

```
""
```

Example:

```
"Python 3"
"Python 3 for Data Science"
```

Declared by:
<nixpkgs/nixos/modules/services/development/jupyter/default.nix>

services.jupyter.kernels.<name>.env
Environment variables to set for the kernel.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  OMP_NUM_THREADS = "1";
}
```

Declared by:
<nixpkgs/nixos/modules/services/development/jupyter/default.nix>

services.jupyter.kernels.<name>.extraPaths
Extra paths to link in kernel directory

Type: attribute set of absolute path

Default:

```
{ }
```

Example:

```
"{ examples = ${env.sitePack}/IRkernel/kernelspec/kernel.js"; }
```

Declared by:
<nixpkgs/nixos/modules/services/development/jupyter/default.nix>

services.jupyter.kernels.<name>.language
Language of the environment. Typically the name of the binary.

Type: string

Example:

```
"python"
```

Declared by:
<nixpkgs/nixos/modules/services/development/jupyter/default.nix>

services.jupyter.kernels.<name>.logo32
Path to 32x32 logo png.

Type: null or absolute path

Default:

```
null
```

Example:

```
"${env.sitePackages}/ipykernel/resources/logo-32x32.png"
```

Declared by:
<nixpkgs/nixos/modules/services/development/jupyter/default.nix>

services.jupyter.kernels.<name>.logo64
Path to 64x64 logo png.

Type: null or absolute path

Default:

```
null
```

Example:

```
"${env.sitePackages}/ipykernel/resources/logo-64x64.png"
```

Declared by:
<nixpkgs/nixos/modules/services/development/jupyter/default.nix>

services.jupyter.notebookConfig
Raw jupyter config. Please use the password configuration option to set a password instead of passing it in here.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/development/jupyter/default.nix>

services.jupyter.notebookDir
Root directory for notebooks.

Type: string

Default:

```
"~/"
```

Declared by:
<nixpkgs/nixos/modules/services/development/jupyter/default.nix>

services.jupyter.password
Password to use with notebook. Can be generated following: **https://jupyter-server.readthedocs.io/en/stable/operators/public-server.html#preparing-a-hashed-password**

Type: string

Example:

```
"argon2:$argon2id$v=19$m=10240,t=10,p=8$48hF+vTUuy1LB83/GzNhUg$J1nx \
4jPWD7PwOJHs5OtDW8pjYK2s0c1R3rYGbSIKB54"
```

Declared by:
<nixpkgs/nixos/modules/services/development/jupyter/default.nix>

services.jupyter.port
Port number Jupyter will be listening on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8888
```

Declared by:
<nixpkgs/nixos/modules/services/development/jupyter/default.nix>

services.jupyter.user
Name of the user used to run the jupyter service. For security reason, jupyter should really not be run as root. If not set (jupyter), the service will create a jupyter user with appropriate settings.

Type: string

Default:

```
"jupyter"
```

Example:

```
"aborsu"
```

Declared by:
<nixpkgs/nixos/modules/services/development/jupyter/default.nix>

services.jupyterhub.enable
Whether to enable Jupyterhub development server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/development/jupyterhub/default.nix>

services.jupyterhub.authentication
Jupyterhub authentication to use

There are many authenticators available including: oauth, pam, ldap, kerberos, etc.

Type: string

Default:

```
"jupyterhub.auth.PAMAuthenticator"
```

Declared by:
<nixpkgs/nixos/modules/services/development/jupyterhub/default.nix>

services.jupyterhub.extraConfig
Extra contents appended to the jupyterhub configuration

Jupyterhub configuration is a normal python file using Traitlets. **https://jupyterhub.readthedocs.io/en/stable/getting-started/config-basics.html**. The base configuration of this module was designed to have sane defaults for configuration but you can override anything since this is a python file.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
c.SystemdSpawner.mem_limit = '8G'
c.SystemdSpawner.cpu_limit = 2.0
```

Declared by:

<nixpkgs/nixos/modules/services/development/jupyterhub/default.nix>

services.jupyterhub.host

Bind IP JupyterHub will be listening on

Type: string

Default:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/development/jupyterhub/default.nix>

services.jupyterhub.jupyterhubEnv

Python environment to run jupyterhub

Customizing will affect the packages available in the hub and proxy. This will allow packages to be available for the extraConfig that you may need. This will not normally need to be changed.

Type: package

Default:

```
pkgs.python3.withPackages (p: with p; [
  jupyterhub
  jupyterhub-systemdspawner
])
```

Declared by:

<nixpkgs/nixos/modules/services/development/jupyterhub/default.nix>

services.jupyterhub.jupyterlabEnv

Python environment to run jupyterlab

Customizing will affect the packages available in the jupyterlab server and the default kernel provided. This is the way to customize the jupyterlab extensions and jupyter notebook extensions. This will not normally need to be changed.

Type: package

Default:

```
pkgs.python3.withPackages (p: with p; [
  jupyterhub
  jupyterlab
])
```

Declared by:

<nixpkgs/nixos/modules/services/development/jupyterhub/default.nix>

services.jupyterhub.kernels

Declarative kernel config

Kernels can be declared in any language that supports and has the required dependencies to communicate with a jupyter server. In python's case, it means that ipykernel package must always be included in the list of packages of the targeted environment.

Type: null or (attribute set of (open submodule of (JSON value)))

Default:

```
null
```

Example:

```
{
  python3 = let
    env = (pkgs.python3.withPackages (pythonPackages: with pythonPa \
ckages; [
            ipykernel
            pandas
            scikit-learn
          ]));
  in {
    displayName = "Python 3 for machine learning";
    argv = [
      "${env.interpreter}"
      "-m"
      "ipykernel_launcher"
      "-f"
      "{connection_file}"
    ];
    language = "python";
    logo32 = "${env}/${env.sitePackages}/ipykernel/resources/logo- \
32x32.png";
    logo64 = "${env}/${env.sitePackages}/ipykernel/resources/logo- \
64x64.png";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/development/jupyterhub/default.nix>

services.jupyterhub.kernels.<name>.argv

Command and arguments to start the kernel.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "{customEnv.interpreter}"
  "-m"
  "ipykernel_launcher"
  "-f"
  "{connection_file}"
]
```

Declared by:
<nixpkgs/nixos/modules/services/development/jupyterhub/default.nix>

services.jupyterhub.kernels.<name>.displayName
Name that will be shown to the user.

Type: string

Default:

```
""
```

Example:

```
"Python 3"
"Python 3 for Data Science"
```

Declared by:
<nixpkgs/nixos/modules/services/development/jupyterhub/default.nix>

services.jupyterhub.kernels.<name>.env
Environment variables to set for the kernel.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  OMP_NUM_THREADS = "1";
}
```

Declared by:
<nixpkgs/nixos/modules/services/development/jupyterhub/default.nix>

services.jupyterhub.kernels.<name>.extraPaths
Extra paths to link in kernel directory

Type: attribute set of absolute path

Default:

```
{ }
```

Example:

```
"{ examples = ${env.sitePack}/IRkernel/kernelspec/kernel.js"; }
```

Declared by:
<nixpkgs/nixos/modules/services/development/jupyterhub/default.nix>

services.jupyterhub.kernels.<name>.language
Language of the environment. Typically the name of the binary.

Type: string

Example:

```
"python"
```

Declared by:
<nixpkgs/nixos/modules/services/development/jupyterhub/default.nix>

services.jupyterhub.kernels.<name>.logo32
Path to 32x32 logo png.

Type: null or absolute path

Default:

```
null
```

Example:

```
"${env.sitePackages}/ipykernel/resources/logo-32x32.png"
```

Declared by:
<nixpkgs/nixos/modules/services/development/jupyterhub/default.nix>

services.jupyterhub.kernels.<name>.logo64
Path to 64x64 logo png.

Type: null or absolute path

Default:

```
null
```

Example:

```
"${env.sitePackages}/ipykernel/resources/logo-64x64.png"
```

Declared by:
<nixpkgs/nixos/modules/services/development/jupyterhub/default.nix>

services.jupyterhub.port
Port number Jupyterhub will be listening on

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8000
```

Declared by:
<nixpkgs/nixos/modules/services/development/jupyterhub/default.nix>

services.jupyterhub.spawner
Jupyterhub spawner to use

There are many spawners available including: local process, systemd, docker, kubernetes, yarn, batch, etc.

Type: string

Default:

```
"systemdspawner.SystemdSpawner"
```

Declared by:
<nixpkgs/nixos/modules/services/development/jupyterhub/default.nix>

services.jupyterhub.stateDirectory
Directory for jupyterhub state (token + database)

Type: string

Default:

```
"jupyterhub"
```

Declared by:
<nixpkgs/nixos/modules/services/development/jupyterhub/default.nix>

services.k3s.enable
Whether to enable k3s.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.package
The k3s package to use.

Type: package

Default:

```
pkgs.k3s
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.agentToken
The k3s token agents can use to connect to the server. This option only makes sense on server nodes (‘role = server’).

WARNING: This option will expose your token unencrypted in the world−readable nix store. If this is undesired use the tokenFile option instead.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.agentTokenFile
File path containing the k3s token agents can use to connect to the server. This option only makes sense on server nodes (‘role = server’).

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.autoDeployCharts
Auto deploying Helm charts that are installed by the k3s Helm controller. Avoid using attribute names that are also used in the **services.k3s.manifests** and **services.k3s.charts** options. Manifests with the same name will override auto deploying charts with the same name. This option only makes sense on server nodes (‘role = server’). See the **k3s Helm documentation** for further information.

WARNING: If you have multiple server nodes, and set this option on more than one server, it is your responsibility to ensure that files stay in sync across those nodes. AddOn content is not synced between

nodes, and k3s cannot guarantee correct behavior if different servers attempt to deploy conflicting manifests.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  harbor = {
    name = "harbor";
    repo = "https://helm.goharbor.io";
    version = "1.14.0";
    hash = "sha256-fMP7q1MIbvzPGS9My91vbQ1d3OJMjwc+o8YE/BXZaYU=";
    values = {
      existingSecretAdminPassword = "harbor-admin";
      expose = {
        tls = {
          enabled = true;
          certSource = "secret";
          secret.secretName = "my-tls-secret";
        };
        ingress = {
          hosts.core = "example.com";
          className = "nginx";
        };
      };
    };
  };
  nginx = {
    repo = "oci://registry-1.docker.io/bitnamicharts/nginx";
    version = "20.0.0";
    hash = "sha256-sy+tzB+i9jIl/tqOMzzuhVhTU4EZVsoSBtPznxF/36c=";
  };
  custom-chart = {
    package = ../charts/my-chart.tgz;
    values = ../values/my-values.yaml;
    extraFieldDefinitions = {
      spec.timeout = "60s";
    };
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.autoDeployCharts.<name>.enable

Whether to enable the installation of this Helm chart. Note that setting this option to ‘false’ will not uninstall the chart from the cluster, if it was previously installed. Please use the the ‘--disable’ flag or ‘.skip’ files to delete/disable Helm charts, as mentioned in the **docs**.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.autoDeployCharts.<name>.package

The packaged Helm chart. Overwrites the options ‘repo’, ‘name’, ‘version’ and ‘hash’ in case of conflicts.

Type: absolute path or package

Example:

```
../my-helm-chart.tgz
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.autoDeployCharts.<name>.createNamespace

Whether to create the target namespace if not present.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.autoDeployCharts.<name>.extraDeploy

List of extra Kubernetes manifests to deploy with this Helm chart.

Type: list of (absolute path or (attribute set))

Default:

```
[ ]
```

Example:

```
[
  ../manifests/my-extra-deployment.yaml
  {
    apiVersion = "v1";
    kind = "Service";
    metadata = {
      name = "app-service";
    };
    spec = {
      selector = {
        "app.kubernetes.io/name" = "MyApp";
      };
      ports = [
        {
          name = "name-of-service-port";
          protocol = "TCP";
          port = 80;
          targetPort = "http-web-svc";
```

```
            }
          ];
        };
      }
    ];
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.autoDeployCharts.<name>.extraFieldDefinitions

Extra HelmChart field definitions that are merged with the rest of the HelmChart custom resource. This can be used to set advanced fields or to overwrite generated fields. See **https://docs.k3s.io/helm#helm-chart-field-definitions** for possible fields.

Type: YAML 1.1 value

Default:

```
{ }
```

Example:

```
{
  spec = {
    backOffLimit = 3;
    bootstrap = true;
    helmVersion = "v2";
    jobImage = "custom-helm-controller:v0.0.1";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.autoDeployCharts.<name>.hash

The hash of the packaged Helm chart. Only has an effect if ‘package’ is not set. The Helm chart is fetched during build time and placed as a ‘.tgz’ archive on the filesystem.

Type: string

Default:

```
""
```

Example:

```
"sha256-ej+vpPNdiOoXsaj1jyRpWLisJgWo8EqX+Z5VbpSjsPA="
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.autoDeployCharts.<name>.name

The name of the Helm chart. Only has an effect if ‘package’ is not set. The Helm chart is fetched during build time and placed as a ‘.tgz’ archive on the filesystem.

Type: non-empty string

Example:

```
"ingress-nginx"
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.autoDeployCharts.<name>.repo

The repo of the Helm chart. Only has an effect if ‘package’ is not set. The Helm chart is fetched during build time and placed as a ‘.tgz’ archive on the filesystem.

Type: non−empty string

Example:

```
"https://kubernetes.github.io/ingress-nginx"
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.autoDeployCharts.<name>.targetNamespace

The namespace in which the Helm chart gets installed.

Type: non−empty string

Default:

```
"default"
```

Example:

```
"kube-system"
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.autoDeployCharts.<name>.values

Override default chart values via Nix expressions. This is equivalent to setting values in a ‘values.yaml’ file.

WARNING: The values (including secrets!) specified here are exposed unencrypted in the world−readable nix store.

Type: absolute path or (attribute set)

Default:

```
{ }
```

Example:

```
{
  hostName = "my-host";
  replicaCount = 3;
  server = {
    name = "nginx";
    port = 80;
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.autoDeployCharts.<name>.version

The version of the Helm chart. Only has an effect if ‘package’ is not set. The Helm chart is fetched during build time and placed as a ‘.tgz’ archive on the filesystem.

Type: non−empty string

Example:

```
"4.7.0"
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.charts
Packaged Helm charts that are linked to */var/lib/rancher/k3s/server/static/charts* before k3s starts. The attribute name will be used as the link target (relative to */var/lib/rancher/k3s/server/static/charts*). The specified charts will only be placed on the file system and made available via the Kubernetes APIServer from within the cluster. See the **services.k3s.autoDeployCharts** option and the **k3s Helm controller docs** to deploy Helm charts. This option only makes sense on server nodes (‘role = server’).

Type: attribute set of (absolute path or package)

Default:

```
{ }
```

Example:

```
nginx = ../charts/my-nginx-chart.tgz;
redis = ../charts/my-redis-chart.tgz;
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.clusterInit
Initialize HA cluster using an embedded etcd datastore.

If this option is ‘false’ and ‘role’ is ‘server’

On a server that was using the default embedded sqlite backend, enabling this option will migrate to an embedded etcd DB.

If an HA cluster using the embedded etcd datastore was already initialized, this option has no effect.

This option only makes sense in a server that is not connecting to another server.

If you are configuring an HA cluster with an embedded etcd, the 1st server must have ‘clusterInit = true’ and other servers must connect to it using ‘serverAddr’.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.configPath
File path containing the k3s YAML config. This is useful when the config is generated (for example on boot).

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.containerdConfigTemplate
Config template for containerd, to be placed at ‘/var/lib/rancher/k3s/agent/etc/containerd/config.toml.tmpl’. See the docs on **configuring containerd**.

Type: null or string

Default:

```
null
```

Example:

```
# Base config
{{ template "base" . }}
# Add a custom runtime
[plugins."io.containerd.grpc.v1.cri".containerd.runtimes."custom"]
  runtime_type = "io.containerd.runc.v2"
[plugins."io.containerd.grpc.v1.cri".containerd.runtimes."custom".o \
ptions]
  BinaryName = "/path/to/custom-container-runtime"
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.disable
Disable default components, see the **K3s documentation**.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.disableAgent
Only run the server. This option only makes sense for a server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.environmentFile
File path containing environment variables for configuring the k3s service in the format of an EnvironmentFile. See **systemd.exec**(5).

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.extraFlags
Extra flags to pass to the k3s command.

Type: string or list of string

Default:

```
[ ]
```

Example:

```
[
  "--etcd-expose-metrics"
  "--cluster-cidr 10.24.0.0/16"
```

```
]
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.extraKubeProxyConfig

Extra configuration to add to the kube−proxy's configuration file. The subset of the kube−proxy's configuration that can be configured via a file is defined by the **KubeProxyConfiguration** struct. Note that the kubeconfig param will be overriden by 'clientConnection.kubeconfig', so you must set the 'clientConnection.kubeconfig' option if you want to use 'extraKubeProxyConfig'.

Type: attribute set of anything

Default:

```
{ }
```

Example:

```
{
  clientConnection = {
    kubeconfig = "/var/lib/rancher/k3s/agent/kubeproxy.kubeconfig";
  };
  mode = "nftables";
}
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.extraKubeletConfig

Extra configuration to add to the kubelet's configuration file. The subset of the kubelet's configuration that can be configured via a file is defined by the **KubeletConfiguration** struct. See the **documentation** for further information.

Type: attribute set of anything

Default:

```
{ }
```

Example:

```
{
  containerLogMaxSize = "5Mi";
  memoryThrottlingFactor = 0.69;
  podsPerCore = 3;
}
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.gracefulNodeShutdown.enable

Whether to enable graceful node shutdowns where the kubelet attempts to detect node system shutdown and terminates pods running on the node. See the **documentation** for further information. .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.gracefulNodeShutdown.shutdownGracePeriod
Specifies the total duration that the node should delay the shutdown by. This is the total grace period for pod termination for both regular and critical pods.

Type: non−empty string

Default:

```
"30s"
```

Example:

```
"1m30s"
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.gracefulNodeShutdown.shutdownGracePeriodCriticalPods
Specifies the duration used to terminate critical pods during a node shutdown. This should be less than 'shutdownGracePeriod'.

Type: non−empty string

Default:

```
"10s"
```

Example:

```
"15s"
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.images
List of derivations that provide container images. All images are linked to */var/lib/rancher/k3s/agent/images* before k3s starts and are consequently imported by the k3s agent. Consider importing the k3s airgap images archive of the k3s package in use, if you want to pre−provision this node with all k3s container images. This option only makes sense on nodes with an enabled agent.

Type: list of package

Default:

```
[ ]
```

Example:

```
[
  (pkgs.dockerTools.pullImage {
    imageName = "docker.io/bitnami/keycloak";
    imageDigest = "sha256:714dfadc66a8e3adea6609bda350345bd3711657b \
7ef3cf2e8015b526bac2d6b";
    hash = "sha256−IM2BLZ0EdKIZcRWOtuFY9TogZJXCpKtPZnMnPsGlq0Y=";
    finalImageTag = "21.1.2−debian−11−r0";
  })
  config.services.k3s.package.airgap−images
]
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.manifests

Auto−deploying manifests that are linked to */var/lib/rancher/k3s/server/manifests* before k3s starts. Note that deleting manifest files will not remove or otherwise modify the resources it created. Please use the the '−−disable' flag or '.skip' files to delete/disable AddOns, as mentioned in the **docs**. This option only makes sense on server nodes ('role = server'). Read the **auto−deploying manifests docs** for further information.

WARNING: If you have multiple server nodes, and set this option on more than one server, it is your responsibility to ensure that files stay in sync across those nodes. AddOn content is not synced between nodes, and k3s cannot guarantee correct behavior if different servers attempt to deploy conflicting manifests.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  deployment.source = ../manifests/deployment.yaml;
  my−service = {
    enable = false;
    target = "app−service.yaml";
    content = {
      apiVersion = "v1";
      kind = "Service";
      metadata = {
        name = "app−service";
      };
      spec = {
        selector = {
          "app.kubernetes.io/name" = "MyApp";
        };
        ports = [
          {
            name = "name−of−service−port";
            protocol = "TCP";
            port = 80;
            targetPort = "http−web−svc";
          }
        ];
      };
    };
  };
  nginx.content = [
    {
      apiVersion = "v1";
      kind = "Pod";
      metadata = {
        name = "nginx";
        labels = {
          "app.kubernetes.io/name" = "MyApp";
        };
      };
      spec = {
```

```
            containers = [
              {
                name = "nginx";
                image = "nginx:1.14.2";
                ports = [
                  {
                    containerPort = 80;
                    name = "http-web-svc";
                  }
                ];
              }
            ];
          };
        }
        {
          apiVersion = "v1";
          kind = "Service";
          metadata = {
            name = "nginx-service";
          };
          spec = {
            selector = {
              "app.kubernetes.io/name" = "MyApp";
            };
            ports = [
              {
                name = "name-of-service-port";
                protocol = "TCP";
                port = 80;
                targetPort = "http-web-svc";
              }
            ];
          };
        }
      ];
    };
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.manifests.<name>.enable

Whether this manifest file should be generated.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.manifests.<name>.content
Content of the manifest file. A single attribute set will generate a single document YAML file. A list of attribute sets will generate multiple documents separated by '---' in a single YAML file.

Type: null or (attribute set) or list of (attribute set)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.manifests.<name>.source
Path of the source '.yaml' file.

Type: absolute path

Example:

```
./manifests/app.yaml
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.manifests.<name>.target
Name of the symlink (relative to */var/lib/rancher/k3s/server/manifests*). Defaults to the attribute name.

Type: non−empty string

Example:

```
"manifest.yaml"
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.nodeExternalIP
IPv4/IPv6 external addresses to advertise for node.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.nodeIP
IPv4/IPv6 addresses to advertise for node.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.nodeLabel
Registering and starting kubelet with set of labels.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.nodeName
Node name.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.nodeTaint
Registering kubelet with set of taints.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.role
Whether k3s should run as a server or agent.

If it’s a server:

- By default it also runs workloads as an agent.
- Starts by default as a standalone server using an embedded sqlite datastore.
- Configure ‘clusterInit = true’ to switch over to embedded etcd datastore and enable HA mode.
- Configure ‘serverAddr’ to join an already−initialized HA cluster.

If it’s an agent:

- ‘serverAddr’ is required.

Type: one of “server”, “agent”

Default:

```
"server"
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.selinux
Enable SELinux in containerd.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.serverAddr
The k3s server to connect to.

Servers and agents need to communicate each other. Read **the networking docs** to know how to configure the firewall.

Type: string

Default:

```
""
```

Example:

```
"https://10.0.0.10:6443"
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.token

The k3s token to use when connecting to a server.

WARNING: This option will expose your token unencrypted in the world−readable nix store. If this is undesired use the tokenFile option instead.

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.k3s.tokenFile

File path containing the k3s token to use when connecting to a server.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.kanata.enable

Whether to enable kanata, a tool to improve keyboard comfort and usability with advanced customization.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/kanata.nix>

services.kanata.package

The kanata package to use. ::: {.note} If **danger−enable−cmd** is enabled in any of the keyboards, the ‘kanata−with−cmd’ package should be used. :::

Type: package

Default:

```
pkgs.kanata
```

Example:

```
pkgs.kanata-with-cmd
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/kanata.nix>

services.kanata.keyboards
Keyboard configurations.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/kanata.nix>

services.kanata.keyboards.<name>.config
Configuration other than 'defcfg'.

See **the upstream documentation** and **example config files** for more information.

Type: strings concatenated with "\n"

Example:

```
(defsrc
  caps)

(deflayermap (default-layer)
  ;; tap caps lock as caps lock, hold caps lock as left control
  caps (tap-hold 100 100 caps lctl))
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/kanata.nix>

services.kanata.keyboards.<name>.configFile
The config file.

By default, it is generated by values from other kanata module options.

You can also set it to your own full config file which overrides all other kanata module options. See **the upstream documentation** and **example config files** for more information.

Type: absolute path

Default:

```
"A config file generated by values from other kanata module options \
."
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/kanata.nix>

services.kanata.keyboards.<name>.devices
Paths to keyboard devices.

An empty list, the default value, lets kanata detect which input devices are keyboards and intercept them all.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "/dev/input/by-id/usb-0000_0000-event-kbd"
```

```
]
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/kanata.nix>

services.kanata.keyboards.<name>.extraArgs

Extra command line arguments passed to kanata.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/kanata.nix>

services.kanata.keyboards.<name>.extraDefCfg

Configuration of ‘defcfg’ other than ‘linux−dev’ (generated from the devices option) and ‘linux−continue−if−no−devs−found’ (hardcoded to be yes).

See **the upstream documentation** and **example config files** for more information.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
"danger-enable-cmd yes"
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/kanata.nix>

services.kanata.keyboards.<name>.port

Port to run the TCP server on. ‘null’ will not run the server.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Example:

```
6666
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/kanata.nix>

services.kanboard.enable

Whether to enable Kanboard.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.package
The kanboard package to use.

Type: package

Default:

```
pkgs.kanboard
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.dataDir
Default data folder for Kanboard.

Type: string

Default:

```
"/var/lib/kanboard"
```

Example:

```
"/mnt/kanboard"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.domain
FQDN for the Kanboard instance.

Type: string

Default:

```
"kanboard"
```

Example:

```
"kanboard.example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.group
Group under which Kanboard runs.

Type: string

Default:

```
"kanboard"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx
With this option, you can customize an NGINX virtual host which already has sensible defaults for Kanboard. Set to '{ }' if you do not need any customization for the virtual host. If enabled, then by default, the **serverName** is '${domain}'. If this is set to null (the default), no NGINX virtual host will be configured.

Type: null or (submodule)

Default:

```
{ }
```

Example:

```
{
  enableACME = true;
  forceSSL = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.enableACME
Whether to ask Let's Encrypt to sign a certificate for this vhost. Alternately, you can use an existing certificate through **useACMEHost**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.acmeFallbackHost
Host which to proxy requests to if ACME challenge is not found. Useful if you want multiple hosts to be able to verify the same domain name.

With this option, you could request certificates for the present domain with an ACME client that is running on another host, which you would specify here.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.acmeRoot
Directory for the ACME challenge, which is **public**. Don't put certs or keys in here. Set to null to inherit from config.security.acme.

Type: null or string

Default:

```
"/var/lib/acme/acme−challenge"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.addSSL
Whether to enable HTTPS in addition to plain HTTP. This will set defaults for 'listen' to listen on all interfaces on the respective default ports (80, 443).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.basicAuth

Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.basicAuthFile

Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.default

Makes this vhost the default.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.extraConfig

These lines go to the end of the vhost verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.forceSSL

Whether to add a separate nginx server block that redirects (defaults to 301, configurable with ‘redirectCode’) all plain HTTP traffic to HTTPS. This will set defaults for ‘listen’ to listen on all interfaces on the respective default ports (80, 443), where the non−SSL listens are used for the redirect vhosts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.globalRedirect
If set, all requests for this host are redirected (defaults to 301, configurable with 'redirectCode') to the given hostname.

Type: null or string

Default:

```
null
```

Example:

```
"newserver.example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.http2
Whether to enable the HTTP/2 protocol. Note that (as of writing) due to nginx's implementation, to disable HTTP/2 you have to disable it on all vhosts that use a given IP address / port. If there is one server block configured to enable http2, then it is enabled for all server blocks on this IP. See **https://stackoverflow.com/a/39466948/263061**.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.http3
Whether to enable the HTTP/3 protocol. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that HTTP/3 support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/** HTTP/3 availability must be manually advertised, preferably in each location block.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.http3_hq
Whether to enable the HTTP/0.9 protocol negotiation used in QUIC interoperability tests. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that special application protocol support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.kTLS

Whether to enable kTLS support. Implementing TLS in the kernel (kTLS) improves performance by significantly reducing the need for copying operations between user space and the kernel. Required Nginx version 1.21.4 or later.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.listen

Listen addresses and ports for this virtual host. IPv6 addresses must be enclosed in square brackets. Note: this option overrides ‘addSSL’ and ‘onlySSL’.

If you only want to set the addresses manually and not the ports, take a look at ‘listenAddresses’.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    addr = "195.154.1.1";
    port = 443;
    ssl = true;
  }
  {
    addr = "192.154.1.1";
    port = 80;
  }
  {
    addr = "unix:/var/run/nginx.sock";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.listen.*.addr

Listen address.

Type: string

Declared by:

<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.listen.*.extraParameters

Extra parameters of this listen directive.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
```

```
  "backlog=1024"
  "deferred"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.listen.*.port
Port number to listen on. If unset and the listen address is not a socket then nginx defaults to 80.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.listen.*.proxyProtocol
Enable PROXY protocol.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.listen.*.ssl
Enable SSL.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.listenAddresses
Listen addresses for this virtual host. Compared to ‘listen’ this only sets the addresses and the ports are chosen automatically.

Note: This option overrides ‘networking.enableIPv6’

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "127.0.0.1"
  "[::1]"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.locations

Declarative location config

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "/" = {
    proxyPass = "http://localhost:3000";
  };
};
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.locations.<name>.alias

Alias directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/alias/directory"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.locations.<name>.basicAuth

Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.locations.<name>.basicAuthFile

Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.locations.<name>.extraConfig
These lines go to the end of the location verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.locations.<name>.fastcgiParams
FastCGI parameters to override. Unlike in the Nginx configuration file, overriding only some default parameters won’t unset the default values for other parameters.

Type: attribute set of (string or absolute path)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.locations.<name>.index
Adds index directive.

Type: null or string

Default:

```
null
```

Example:

```
"index.php index.html"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.locations.<name>.priority
Order of this location block in relation to the others in the vhost. The semantics are the same as with ‘lib.mkOrder’. Smaller values have a greater priority.

Type: signed integer

Default:

```
1000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.locations.<name>.proxyPass
Adds proxy_pass directive and sets recommended proxy headers if recommendedProxySettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"http://www.example.org/"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.locations.<name>.proxyWebsockets
Whether to support proxying websocket connections with HTTP/1.1.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.locations.<name>.recommendedProxySettings
Enable recommended proxy settings.

Type: boolean

Default:

```
config.services.nginx.recommendedProxySettings
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.locations.<name>.recommendedUwsgiSettings
Enable recommended uwsgi settings.

Type: boolean

Default:

```
config.services.nginx.recommendedUwsgiSettings
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.locations.<name>.return
Adds a return directive, for e.g. redirections.

Type: null or string or signed integer

Default:

```
null
```

Example:

```
"301 http://example.com$request_uri"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.locations.<name>.root
Root directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/root/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.locations.<name>.tryFiles
Adds try_files directive.

Type: null or string

Default:

```
null
```

Example:

```
"$uri =404"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.locations.<name>.uwsgiPass
Adds uwsgi_pass directive and sets recommended proxy headers if recommendedUwsgiSettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"unix:/run/example/example.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.onlySSL
Whether to enable HTTPS and reject plain HTTP connections. This will set defaults for 'listen' to listen on all interfaces on port 443.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.quic
Whether to enable the QUIC transport protocol. Note that QUIC support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.redirectCode
HTTP status used by 'globalRedirect' and 'forceSSL'. Possible usecases include temporary (302, 307) redirects, keeping the request method and body (307, 308), or explicitly resetting the method to GET (303). See **https://developer.mozilla.org/en−US/docs/Web/HTTP/Redirections**.

Type: integer between 300 and 399 (both inclusive)

Default:

```
301
```

Example:

```
308
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.rejectSSL
Whether to listen for and reject all HTTPS connections to this vhost. Useful in **default** server blocks to avoid serving the certificate for another vhost. Uses the 'ssl_reject_handshake' directive available in nginx versions 1.19.4 and above.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.reuseport
Create an individual listening socket . It is required to specify only once on one of the hosts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.root
The path of the web root directory.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/data/webserver/docs"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.serverAliases
Additional names of virtual hosts served by this virtual host configuration.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
  "example.org"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.serverName
Name of this virtual host. Defaults to attribute name in virtualHosts.

Type: null or string

Default:

```
null
```

Example:

```
"example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.sslCertificate
Path to server SSL certificate.

Type: absolute path

Example:

```
"/var/host.cert"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.sslCertificateKey
Path to server SSL certificate key.

Type: absolute path

Example:

```
"/var/host.key"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.sslTrustedCertificate
Path to root SSL certificate for stapling and client certificates.

Type: null or absolute path

Default:

```
null
```

Example:

```
"${pkgs.cacert}/etc/ssl/certs/ca−bundle.crt"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.nginx.useACMEHost
A host of an existing Let's Encrypt certificate to use. This is useful if you have many subdomains and want to avoid hitting the **rate limit**. Alternately, you can generate a certificate through **enableACME**. *Note that this option does not create any certificates, nor it does add subdomains to existing ones – you will need to create them manually using* **security.acme.certs**[2].

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

2. see the **security.acme.certs** option

services.kanboard.phpfpm.settings
Options for kanboard's PHPFPM pool.

Type: attribute set of (signed integer or string or boolean)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.settings
Customize the default settings, refer to **https://github.com/kanboard/kanboard/blob/main/config.default.php** for details on supported values.

Type: attribute set of (string or signed integer or boolean)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanboard.user
User under which Kanboard runs.

Type: string

Default:

```
"kanboard"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kanboard.nix>

services.kanidm.package
The kanidm package to use. Must be set to an explicit version.

Type: package

Default:

```
pkgs.kanidm
```

Example:

```
kanidm_1_8
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.client.enable
Whether to enable the Kanidm client.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.client.settings
Configure Kanidm clients, needed for the PAM daemon. See **the documentation** and **example configuration** for possible values.

Type: open submodule of (TOML value)

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.client.settings.uri
Address of the Kanidm server.

Type: string

Example:

```
"http://127.0.0.1:8080"
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.provision.enable
Whether to enable provisioning of groups, users and oauth2 resource servers.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.provision.acceptInvalidCerts
Whether to allow invalid certificates when provisioning the target instance. By default this is only allowed when the instanceUrl is localhost. This is dangerous when used with an external URL.

Type: boolean

Default:

```
"hasPrefix \"https://localhost:\" cfg.provision.instanceUrl"
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.provision.adminPasswordFile
Path to a file containing the admin password for kanidm. Do NOT use a file from the nix store here!

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/kanidm-admin-password"
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.provision.autoRemove
Determines whether deleting an entity in this provisioning config should automatically cause them to be removed from kanidm, too. This works because the provisioning tool tracks all entities it has ever created. If this is set to false, you need to explicitly specify 'present = false' to delete an entity.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.provision.extraJsonFile
A JSON file for provisioning persons, groups & systems. Options set in this file take precedence over values set using the other options. The files get deeply merged, and deduplicated. The accepted JSON schema can be found at **https://github.com/oddlama/kanidm-provision#json-schema**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.provision.groups
Provisioning of kanidm groups

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.provision.groups.<name>.members
List of kanidm entities (persons, groups, …) which are part of this group.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.provision.groups.<name>.overwriteMembers
Whether the member list should be overwritten each time (true) or appended (false). Append mode allows interactive group management in addition to the declared members. Also, future member removals cannot be reflected automatically in append mode.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.provision.groups.<name>.present
Whether to ensure that this group is present or absent.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.provision.idmAdminPasswordFile
Path to a file containing the idm admin password for kanidm. Do NOT use a file from the nix store here! If this is not given but provisioning is enabled, the idm_admin password will be reset on each restart.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/kanidm-idm-admin-password"
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.provision.instanceUrl
The instance url to which the provisioning tool should connect.

Type: string

Default:

```
"https://localhost:<port from server.settings.bindaddress>"
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.provision.persons
Provisioning of kanidm persons

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.provision.persons.<name>.displayName
Display name

Type: string

Example:

```
"My User"
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.provision.persons.<name>.groups
List of groups this person should belong to.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.provision.persons.<name>.legalName
Full legal name

Type: null or string

Default:

```
null
```

Example:

```
"Jane Doe"
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.provision.persons.<name>.mailAddresses
Mail addresses. First given address is considered the primary address.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "jane.doe@example.com"
]
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.provision.persons.<name>.present
Whether to ensure that this person is present or absent.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.provision.systems.oauth2
Provisioning of oauth2 resource servers

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.provision.systems.oauth2.<name>.enableLegacyCrypto
Enable legacy crypto on this client. Allows JWT signing algorthms like RS256.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.provision.systems.oauth2.<name>.enableLocalhostRedirects
Allow localhost redirects. Only for public clients.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.provision.systems.oauth2.<name>.allowInsecureClientDisablePkce
Disable PKCE on this oauth2 resource server to work around insecure clients that may not support it. You should request the client to enable PKCE! Only for non−public clients.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.provision.systems.oauth2.<name>.basicSecretFile
The basic secret to use for this service. If null, the random secret generated by kanidm will not be touched. Do NOT use a path from the nix store here!

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/some−oauth2−basic−secret"
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.provision.systems.oauth2.<name>.claimMaps
Adds additional claims (and values) based on which kanidm groups an authenticating party belongs to. See **Claim Maps** for more information.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.provision.systems.oauth2.<name>.claimMaps.<name>.joinType
Determines how multiple values are joined to create the claim value. See **Claim Maps** for more information.

Type: one of “array”, “csv”, “ssv”

Default:

```
"array"
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.provision.systems.oauth2.<name>.claimMaps.<name>.valuesByGroup
Maps kanidm groups to values for the claim.

Type: attribute set of list of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.provision.systems.oauth2.<name>.displayName
Display name

Type: string

Example:

```
"Some Service"
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.provision.systems.oauth2.<name>.imageFile
Application image to display in the WebUI. Kanidm supports “image/jpeg”, “image/png”, “image/gif”, “image/svg+xml”, and “image/webp”. The image will be uploaded each time kanidm−provision is run.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.provision.systems.oauth2.<name>.originLanding
When redirecting from the Kanidm Apps Listing page, some linked applications may need to land on a specific page to trigger oauth2/oidc interactions.

Type: string

Example:

```
"https://someservice.example.com/home"
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.provision.systems.oauth2.<name>.originUrl
The redirect URL of the service. These need to exactly match the OAuth2 redirect target

Type: string matching the pattern .*://?.*$ or non−empty (list of string matching the pattern .*://?.*$)

Example:

```
"https://someservice.example.com/auth/login"
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.provision.systems.oauth2.<name>.preferShortUsername
Use ‘name’ instead of ‘spn’ in the preferred_username claim

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.provision.systems.oauth2.<name>.present
Whether to ensure that this oauth2 resource server is present or absent.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.provision.systems.oauth2.<name>.public
Whether this is a public client (enforces PKCE, doesn’t use a basic secret)

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.provision.systems.oauth2.<name>.removeOrphanedClaimMaps
Whether claim maps not specified here but present in kanidm should be removed from kanidm.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.provision.systems.oauth2.<name>.scopeMaps
Maps kanidm groups to returned oauth scopes. See **Scope Relations** for more information.

Type: attribute set of list of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.provision.systems.oauth2.<name>.supplementaryScopeMaps
Maps kanidm groups to additionally returned oauth scopes. See **Scope Relations** for more information.

Type: attribute set of list of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.server.enable
Whether to enable the Kanidm server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.server.settings
Settings for Kanidm, see **the documentation** and **example configuration** for possible values.

Type: open submodule of (TOML value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.server.settings.bindaddress
Address/port combination the webserver binds to.

Type: string

Default:

```
"127.0.0.1:8443"
```

Example:

```
"[::1]:8443"
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.server.settings.db_path
Path to Kanidm database.

Type: absolute path *(read only)*

Default:

```
"/var/lib/kanidm/kanidm.db"
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.server.settings.domain
The 'domain' that Kanidm manages. Must be below or equal to the domain specified in 'server.settings.origin'. This can be left at 'null', only if your instance has the role 'ReadOnlyReplica'. While it is possible to change the domain later on, it requires extra steps! Please consider the warnings and execute the steps described **in the documentation**.

Type: null or string

Default:
`null`

Example:
`"example.org"`

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.server.settings.ldapbindaddress
Address and port the LDAP server is bound to. Setting this to 'null' disables the LDAP interface.

Type: null or string

Default:
`null`

Example:
`"[::1]:636"`

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.server.settings.log_level
Log level of the server.

Type: one of "info", "debug", "trace"

Default:
`"info"`

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.server.settings.online_backup.path
Path to the output directory for backups.

Type: absolute path

Default:
`"/var/lib/kanidm/backups"`

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.server.settings.online_backup.schedule
The schedule for backups in cron format.

Type: string

Default:
`"00 22 * * *"`

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.server.settings.online_backup.versions
Number of backups to keep.

The default is set to ‘0’, in order to disable backups by default.

Type: unsigned integer, meaning >=0

Default:

Example:

```
7
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.server.settings.origin
The origin of your Kanidm instance. Must have https as protocol.

Type: string matching the pattern ^https://.*

Example:

```
"https://idm.example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.server.settings.role
The role of this server. This affects the replication relationship and thereby available features.

Type: one of “WriteReplica”, “WriteReplicaNoUI”, “ReadOnlyReplica”

Default:

```
"WriteReplica"
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.server.settings.tls_chain
TLS chain in pem format.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.server.settings.tls_key
TLS key in pem format.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.unix.enable
Whether to enable the Kanidm PAM and NSS integration.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.unix.settings
Configure Kanidm unix daemon. See **the documentation** and **example configuration** for possible values.

Type: open submodule of (TOML value)

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.unix.settings.hsm_pin_path
Path to a HSM pin.

Type: absolute path

Default:

```
"/var/cache/kanidm-unixd/hsm-pin"
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.unix.settings.kanidm.pam_allowed_login_groups
Kanidm groups that are allowed to login using PAM.

Type: list of string

Default:

```
[ ]
```

Example:

```
"my_pam_group"
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kanidm.unix.sshIntegration
Whether to enable Kanidm SSH keys login.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/kanidm.nix>

services.kapacitor.enable
Whether to enable kapacitor.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/kapacitor.nix>

services.kapacitor.alerta.enable
Whether to enable kapacitor alerta integration.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/kapacitor.nix>

services.kapacitor.alerta.environment
Default Alerta environment

Type: string

Default:

```
"Production"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/kapacitor.nix>

services.kapacitor.alerta.origin
Default origin of alert

Type: string

Default:

```
"kapacitor"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/kapacitor.nix>

services.kapacitor.alerta.token
Default Alerta authentication token

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/kapacitor.nix>

services.kapacitor.alerta.url
The URL to the Alerta REST API

Type: string

Default:

```
"http://localhost:5000"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/kapacitor.nix>

services.kapacitor.bind

Address to bind to. The default is to bind to all addresses

Type: string

Default:

```
""
```

Example:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/kapacitor.nix>

services.kapacitor.dataDir

Location where Kapacitor stores its state

Type: absolute path

Default:

```
"/var/lib/kapacitor"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/kapacitor.nix>

services.kapacitor.defaultDatabase.enable

Whether to enable kapacitor.defaultDatabase.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/kapacitor.nix>

services.kapacitor.defaultDatabase.password

The password to connect to the remote InfluxDB server

Type: string

Declared by:

<nixpkgs/nixos/modules/services/monitoring/kapacitor.nix>

services.kapacitor.defaultDatabase.url

The URL to an InfluxDB server that serves as the default database

Type: string

Example:

```
"http://localhost:8086"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/kapacitor.nix>

services.kapacitor.defaultDatabase.username
The username to connect to the remote InfluxDB server

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/kapacitor.nix>

services.kapacitor.extraConfig
These lines go into kapacitord.conf verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/kapacitor.nix>

services.kapacitor.group
Group under which Kapacitor runs

Type: string

Default:

```
"kapacitor"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/kapacitor.nix>

services.kapacitor.loadDirectory
Directory where to load services from, such as tasks, templates and handlers (or null to disable service loading on startup)

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/kapacitor.nix>

services.kapacitor.port
Port of Kapacitor

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9092
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/kapacitor.nix>

services.kapacitor.taskSnapshotInterval
Specifies how often to snapshot the task state (in InfluxDB time units)

Type: string

Default:

```
"1m0s"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/kapacitor.nix>

services.kapacitor.user
User account under which Kapacitor runs

Type: string

Default:

```
"kapacitor"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/kapacitor.nix>

services.karakeep.enable
Whether to enable Enable the Karakeep service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/karakeep.nix>

services.karakeep.package
The karakeep package to use.

Type: package

Default:

```
pkgs.karakeep
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/karakeep.nix>

services.karakeep.browser.enable
Enable the karakeep−browser service that runs a chromium instance in the background with debugging ports exposed. This is necessary for certain features like screenshots.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/karakeep.nix>

services.karakeep.browser.exe
The browser executable (must be Chrome−like).

Type: string

Default:

```
${pkgs.chromium}/bin/chromium
```

Example:

```
${pkgs.google−chrome}/bin/google−chrome−stable
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/karakeep.nix>

services.karakeep.browser.port
The port the browser should run on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9222
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/karakeep.nix>

services.karakeep.environmentFile
An optional path to an environment file that will be used in the web and workers services. This is useful for loading private keys.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/lib/karakeep/secrets.env"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/karakeep.nix>

services.karakeep.extraEnvironment
Environment variables to pass to Karakaeep. This is how most settings can be configured. Changing DATA_DIR is possible but not supported.

See **https://docs.karakeep.app/configuration/environment−variables**

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  PORT = "1234";
  DISABLE_SIGNUPS = "true";
  DISABLE_NEW_RELEASE_CHECK = "true";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/karakeep.nix>

services.karakeep.meilisearch.enable
Enable Meilisearch and configure Karakeep to use it. Meilisearch is required for text search.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/karakeep.nix>

services.karakeep.meilisearch.experimental_dumpless_upgrade

Whether to enable (experimental) dumpless upgrade of the search index. Allows upgrading Meilisearch without manually dumping and importing the database. **services.meilisearch.settings.experimental_dumpless_upgrade** overrides this option if set explicitly.

More information at **https://www.meilisearch.com/docs/learn/update_and_migration/updating#dumpless−upgrade**.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/karakeep.nix>

services.karma.enable

Whether to enable the Karma dashboard service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/karma.nix>

services.karma.package

The karma package to use.

Type: package

Default:

```
pkgs.karma
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/karma.nix>

services.karma.configFile

A YAML config file which can be used to configure karma instead of the nix−generated file.

Type: absolute path

Default:

```
"A configuration file generated from the provided nix attributes se \
ttings option."
```

Example:

```
"/etc/karma/karma.conf"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/karma.nix>

services.karma.environment

Additional environment variables to provide to karma.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  ALERTMANAGER_NAME = "single";
  ALERTMANAGER_URI = "https://alertmanager.example.com";
}
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/karma.nix>

services.karma.extraOptions
Extra command line options.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--alertmanager.timeout 10s"
]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/karma.nix>

services.karma.openFirewall
Whether to open ports in the firewall needed for karma to function.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/karma.nix>

services.karma.settings
Karma dashboard configuration as nix attributes.

Reference: **https://github.com/prymitive/karma/blob/main/docs/CONFIGURATION.md**

Type: open submodule of (YAML 1.1 value)

Default:

```
{
  listen = {
    address = "127.0.0.1";
  };
}
```

Example:

```
{
  alertmanager = {
    interval = "15s";
    servers = [
      {
        name = "prod";
        uri = "http://alertmanager.example.com";
      }
    ];
```

```
  };
  listen = {
    address = "192.168.1.4";
    port = "8000";
    prefix = "/dashboard";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/karma.nix>

services.karma.settings.listen.address
Hostname or IP to listen on.

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"[::]"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/karma.nix>

services.karma.settings.listen.port
HTTP port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Example:

```
8182
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/karma.nix>

services.kasmweb.enable
Whether to enable kasmweb.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kasmweb/default.nix>

services.kasmweb.datastorePath
The directory used to store all data for kasmweb.

Type: string

Default:

```
"/var/lib/kasmweb"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kasmweb/default.nix>

services.kasmweb.defaultAdminPassword
default admin password to use.

Type: string

Default:

```
"kasmweb"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kasmweb/default.nix>

services.kasmweb.defaultGuacToken
default guac token to use.

Type: string

Default:

```
"kasmweb"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kasmweb/default.nix>

services.kasmweb.defaultManagerToken
default manager token to use.

Type: string

Default:

```
"kasmweb"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kasmweb/default.nix>

services.kasmweb.defaultRegistrationToken
default registration token to use.

Type: string

Default:

```
"kasmweb"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kasmweb/default.nix>

services.kasmweb.defaultUserPassword
default user password to use.

Type: string

Default:

```
"kasmweb"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kasmweb/default.nix>

services.kasmweb.listenAddress
The address on which kasmweb should listen.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kasmweb/default.nix>

services.kasmweb.listenPort
The port on which kasmweb should listen.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
443
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kasmweb/default.nix>

services.kasmweb.networkSubnet
The network subnet to use for the containers.

Type: string

Default:

```
"172.20.0.0/16"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kasmweb/default.nix>

services.kasmweb.postgres.password
password to use for the postgres database.

Type: string

Default:

```
"kasmweb"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kasmweb/default.nix>

services.kasmweb.postgres.user
Username to use for the postgres database.

Type: string

Default:

```
"kasmweb"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kasmweb/default.nix>

services.kasmweb.redisPassword
password to use for the redis cache.

Type: string

Default:

```
"kasmweb"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kasmweb/default.nix>

services.kasmweb.sslCertificate

The SSL certificate to be used for kasmweb.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/kasmweb/default.nix>

services.kasmweb.sslCertificateKey

The SSL certificate's key to be used for kasmweb. Make sure to specify this as a string and not a literal path, so that it is not accidentally included in your nixstore.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/kasmweb/default.nix>

services.kavita.enable

Whether to enable Kavita reading server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/kavita.nix>

services.kavita.package

The kavita package to use.

Type: package

Default:

```
pkgs.kavita
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/kavita.nix>

services.kavita.dataDir

The directory where Kavita stores its state.

Type: string

Default:

```
"/var/lib/kavita"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/kavita.nix>

services.kavita.settings

Kavita configuration options, as configured in *appsettings.json*.

Type: open submodule of (JSON value)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/kavita.nix>

services.kavita.settings.IpAddresses

IP Addresses to bind to. The default is to bind to all IPv4 and IPv6 addresses.

Type: strings concatenated with ","

Default:

```
"0.0.0.0,::"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/kavita.nix>

services.kavita.settings.Port

Port to bind to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5000
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/kavita.nix>

services.kavita.tokenKeyFile

A file containing the TokenKey, a secret with at 512+ bits. It can be generated with 'head −c 64 /dev/urandom | base64 −−wrap=0'.

Type: absolute path

Declared by:

<nixpkgs/nixos/modules/services/web−apps/kavita.nix>

services.kavita.user

User account under which Kavita runs.

Type: string

Default:

```
"kavita"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/kavita.nix>

services.kbfs.enable

Whether to mount the Keybase filesystem.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/kbfs.nix>

services.kbfs.enableRedirector
Whether to enable the Keybase root redirector service, allowing any user to access KBFS files via '/keybase', which will show different contents depending on the requester.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/kbfs.nix>

services.kbfs.extraFlags
Additional flags to pass to the Keybase filesystem on launch.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "−label kbfs"
  "−mount−type normal"
]
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/kbfs.nix>

services.kbfs.mountPoint
Mountpoint for the Keybase filesystem.

Type: string

Default:

```
"%h/keybase"
```

Example:

```
"/keybase"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/kbfs.nix>

services.kea.package
The kea package to use.

Type: package

Default:

```
pkgs.kea
```

Declared by:
<nixpkgs/nixos/modules/services/networking/kea.nix>

services.kea.ctrl-agent

Kea Control Agent configuration

Type: submodule

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/kea.nix>

services.kea.ctrl-agent.enable

Whether to enable Kea Control Agent.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/kea.nix>

services.kea.ctrl-agent.configFile

Kea Control Agent configuration as a path, see **https://kea.readthedocs.io/en/kea-3.0.3/arm/agent.html**.

Takes preference over **settings**. Most users should prefer using **settings** instead.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/kea.nix>

services.kea.ctrl-agent.extraArgs

List of additional arguments to pass to the daemon.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/kea.nix>

services.kea.ctrl-agent.settings

Kea Control Agent configuration as an attribute set, see **https://kea.readthedocs.io/en/kea-3.0.3/arm/agent.html**.

Type: JSON value

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/kea.nix>

services.kea.dhcp−ddns

Kea DHCP−DDNS configuration

Type: submodule

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/kea.nix>

services.kea.dhcp−ddns.enable

Whether to enable Kea DDNS server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/kea.nix>

services.kea.dhcp−ddns.configFile

Kea DHCP−DDNS configuration as a path, see **https://kea.readthedocs.io/en/kea−3.0.3/arm/ddns.html**.

Takes preference over **settings**. Most users should prefer using **settings** instead.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/kea.nix>

services.kea.dhcp−ddns.extraArgs

List of additional arguments to pass to the daemon.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/kea.nix>

services.kea.dhcp−ddns.settings

Kea DHCP−DDNS configuration as an attribute set, see **https://kea.readthedocs.io/en/kea−3.0.3/arm/ddns.html**.

Type: JSON value

Default:

```
null
```

Example:

```
{
  dns-server-timeout = 100;
  forward-ddns = {
```

```
      ddns-domains = [ ];
    };
    ip-address = "127.0.0.1";
    ncr-format = "JSON";
    ncr-protocol = "UDP";
    port = 53001;
    reverse-ddns = {
      ddns-domains = [ ];
    };
    tsig-keys = [ ];
  }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/kea.nix>

services.kea.dhcp4
DHCP4 Server configuration

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/kea.nix>

services.kea.dhcp4.enable
Whether to enable Kea DHCP4 server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/kea.nix>

services.kea.dhcp4.configFile
Kea DHCP4 configuration as a path, see **https://kea.readthedocs.io/en/kea-3.0.3/arm/dhcp4-srv.html**.

Takes preference over **settings**. Most users should prefer using **settings** instead.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/kea.nix>

services.kea.dhcp4.extraArgs
List of additional arguments to pass to the daemon.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/kea.nix>

services.kea.dhcp4.settings
Kea DHCP4 configuration as an attribute set, see **https://kea.readthedocs.io/en/kea-3.0.3/arm/dhcp4-srv.html**.

Type: JSON value

Default:

```
null
```

Example:

```
{
  interfaces-config = {
    interfaces = [
      "eth0"
    ];
  };
  lease-database = {
    name = "/var/lib/kea/dhcp4.leases";
    persist = true;
    type = "memfile";
  };
  rebind-timer = 2000;
  renew-timer = 1000;
  subnet4 = [
    {
      id = 1;
      pools = [
        {
          pool = "192.0.2.100 - 192.0.2.240";
        }
      ];
      subnet = "192.0.2.0/24";
    }
  ];
  valid-lifetime = 4000;
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/kea.nix>

services.kea.dhcp6
DHCP6 Server configuration

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/kea.nix>

services.kea.dhcp6.enable

Whether to enable Kea DHCP6 server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/kea.nix>

services.kea.dhcp6.configFile

Kea DHCP6 configuration as a path, see **https://kea.readthedocs.io/en/kea-3.0.3/arm/dhcp6-srv.html**.

Takes preference over **settings**. Most users should prefer using **settings** instead.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/kea.nix>

services.kea.dhcp6.extraArgs

List of additional arguments to pass to the daemon.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/kea.nix>

services.kea.dhcp6.settings

Kea DHCP6 configuration as an attribute set, see **https://kea.readthedocs.io/en/kea-3.0.3/arm/dhcp6-srv.html**.

Type: JSON value

Default:

```
null
```

Example:

```
{
  interfaces-config = {
    interfaces = [
      "eth0"
    ];
  };
  lease-database = {
    name = "/var/lib/kea/dhcp6.leases";
    persist = true;
    type = "memfile";
  };
  preferred-lifetime = 3000;
```

```
      rebind-timer = 2000;
      renew-timer = 1000;
      subnet6 = [
        {
          id = 1;
          pools = [
            {
              pool = "2001:db8:1::1-2001:db8:1::ffff";
            }
          ];
          subnet = "2001:db8:1::/64";
        }
      ];
      valid-lifetime = 4000;
    }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/kea.nix>

services.keepalived.enable
Whether to enable Keepalived.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.enableScriptSecurity
Don’t run scripts configured to be run as root if any part of the path is writable by a non-root user.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.package
The keepalived package to use.

Type: package

Default:

```
pkgs.keepalived
```

Declared by:
<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.extraConfig
Extra lines to be added verbatim to the configuration file.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.extraGlobalDefs
Extra lines to be added verbatim to the ‘global_defs’ block of the configuration file

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.openFirewall
Whether to automatically allow VRRP and AH packets in the firewall.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.secretFile
Environment variables from this file will be interpolated into the final config file using envsubst with this syntax: ‘$ENVIRONMENT’ or ‘${VARIABLE}’. The file should contain lines formatted as ‘SECRET_VAR=SECRET_VALUE’. This is useful to avoid putting secrets into the nix store.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/keepalived.env"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.snmp.enable
Whether to enable the builtin AgentX subagent.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.snmp.enableChecker
Enable SNMP handling of checker element of KEEPALIVED MIB.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.snmp.enableKeepalived
Enable SNMP handling of vrrp element of KEEPALIVED MIB.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.snmp.enableRfc
Enable SNMP handling of RFC2787 and RFC6527 VRRP MIBs.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.snmp.enableRfcV2
Enable SNMP handling of RFC2787 VRRP MIB.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.snmp.enableRfcV3
Enable SNMP handling of RFC6527 VRRP MIB.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.snmp.enableTraps
Enable SNMP traps.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.snmp.socket
Socket to use for connecting to SNMP master agent. If this value is set to null, keepalived's default will be used, which is unix:/var/agentx/master, unless using a network namespace, when the default is udp:localhost:705.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.vrrpInstances

Declarative vhost config

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.vrrpInstances.<name>.extraConfig

Extra lines to be added verbatim to the vrrp_instance section.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.vrrpInstances.<name>.interface

Interface for inside_network, bound by vrrp.

Type: string

Declared by:

<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.vrrpInstances.<name>.noPreempt

VRRP will normally preempt a lower priority machine when a higher priority machine comes online. “nopreempt” allows the lower priority machine to maintain the master role, even when a higher priority machine comes back online. NOTE: For this to work, the initial state of this entry must be BACKUP.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.vrrpInstances.<name>.priority

For electing MASTER, highest priority wins. To be MASTER, make 50 more than other machines.

Type: signed integer

Default:

```
100
```

Declared by:

<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.vrrpInstances.<name>.state

Initial state. As soon as the other machine(s) come up, an election will be held and the machine with the highest “priority” will become MASTER. So the entry here doesn’t matter a whole lot.

Type: one of “MASTER”, “BACKUP”

Default:

```
"BACKUP"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.vrrpInstances.<name>.trackInterfaces

List of network interfaces to monitor for health tracking.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "eth0"
  "eth1"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.vrrpInstances.<name>.trackScripts

List of script names to invoke for health tracking.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "chk_cmd1"
  "chk_cmd2"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.vrrpInstances.<name>.unicastPeers

Do not send VRRP adverts over VRRP multicast group. Instead it sends adverts to the following list of ip addresses using unicast design fashion. It can be cool to use VRRP FSM and features in a networking environment where multicast is not supported! IP Addresses specified can IPv4 as well as IPv6.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.vrrpInstances.<name>.unicastSrcIp

Default IP for binding vrrpd is the primary IP on interface. If you want to hide location of vrrpd, use this IP as src_addr for unicast vrrp packets.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.vrrpInstances.<name>.useVmac

Use VRRP Virtual MAC.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.vrrpInstances.<name>.virtualIps

Declarative vhost config

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.vrrpInstances.<name>.virtualIps.*.addr

IP address, optionally with a netmask: IPADDR[/MASK]

Type: string

Declared by:

<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.vrrpInstances.<name>.virtualIps.*.brd

The broadcast address on the interface.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.vrrpInstances.<name>.virtualIps.*.dev

The name of the device to add the address to.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.vrrpInstances.<name>.virtualIps.*.label
Each address may be tagged with a label string. In order to preserve compatibility with Linux−2.0 net aliases, this string must coincide with the name of the device or must be prefixed with the device name followed by colon.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.vrrpInstances.<name>.virtualIps.*.scope
The scope of the area where this address is valid.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.vrrpInstances.<name>.virtualRouterId
Arbitrary unique number 1…255. Used to differentiate multiple instances of vrrpd running on the same NIC (and hence same socket).

Type: integer between 1 and 255 (both inclusive)

Declared by:
<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.vrrpInstances.<name>.vmacInterface
Name of the vmac interface to use. keepalived will come up with a name if you don’t specify one.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.vrrpInstances.<name>.vmacXmitBase
Send/Recv VRRP messages from base interface instead of VMAC interface.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.vrrpScripts
Declarative vrrp script config

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.vrrpScripts.<name>.extraConfig
Extra lines to be added verbatim to the vrrp_script section.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.vrrpScripts.<name>.fall
Required number of failures for KO transition.

Type: signed integer

Default:

```
3
```

Declared by:
<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.vrrpScripts.<name>.group
Name of group to run the script under. Defaults to user group.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.vrrpScripts.<name>.interval
Seconds between script invocations.

Type: signed integer

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.vrrpScripts.<name>.rise
Required number of successes for OK transition.

Type: signed integer

Default:

```
5
```

Declared by:
<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.vrrpScripts.<name>.script
(Path of) Script command to execute followed by args, i.e. cmd [args]…

Type: string

Example:

```
"${pkgs.curl} -f http://localhost:80"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.vrrpScripts.<name>.timeout
Seconds after which script is considered to have failed.

Type: signed integer

Default:

```
5
```

Declared by:
<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.vrrpScripts.<name>.user
Name of user to run the script under.

Type: string

Default:

```
"keepalived_script"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.keepalived.vrrpScripts.<name>.weight
Following a failure, adjust the priority by this weight.

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/services/networking/keepalived/default.nix>

services.kerberos_server.enable
Whether to enable the kerberos authentication server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/system/kerberos/default.nix>

services.kerberos_server.extraKDCArgs

Extra arguments to pass to the KDC process. See **kdc**(8).

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/system/kerberos/default.nix>

services.kerberos_server.settings

Settings for the kerberos server of choice.

See the following documentation:

- Heimdal: **kdc.conf**(5)
- MIT Kerberos: **https://web.mit.edu/kerberos/krb5-1.21/doc/admin/conf_files/kdc_conf.html**

Type: open submodule of attribute set of attribute set of ((list of attribute set of ((list of (signed integer or string or boolean)) or signed integer or string or boolean)) or attribute set of ((list of (signed integer or string or boolean)) or signed integer or string or boolean) or (list of (signed integer or string or boolean)) or signed integer or string or boolean)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/system/kerberos/default.nix>

services.kerberos_server.settings.include

Files to include in the Kerberos configuration.

Type: (list of absolute path) or absolute path convertible to it

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/system/kerberos/default.nix>

services.kerberos_server.settings.includedir

Directories containing files to include in the Kerberos configuration.

Type: (list of absolute path) or absolute path convertible to it

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/system/kerberos/default.nix>

services.kerberos_server.settings.module

Modules to obtain Kerberos configuration from.

Type: (list of absolute path) or absolute path convertible to it

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/system/kerberos/default.nix>

services.kerberos_server.settings.realms

The realm(s) to serve keys for.

Type: attribute set of (open submodule of attribute set of ((list of attribute set of ((list of (signed integer or string or boolean)) or signed integer or string or boolean)) or attribute set of ((list of (signed integer or string or boolean)) or signed integer or string or boolean) or (list of (signed integer or string or boolean)) or signed integer or string or boolean))

Declared by:

<nixpkgs/nixos/modules/services/system/kerberos/default.nix>

services.kerberos_server.settings.realms.<name>.acl

The privileges granted to a user.

Type: list of (submodule)

Default:

```
[
  {
    access = "all";
    principal = "*/admin";
  }
  {
    access = "all";
    principal = "admin";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/system/kerberos/default.nix>

services.kerberos_server.settings.realms.<name>.acl.*.access

The changes the principal is allowed to make.

Important

The “all” permission does not imply the “get−keys” permission. This is consistent with the behavior of both MIT Kerberos and Heimdal.

Warning

Value “all” is allowed as a list member only if it appears alone or accompanied by “get−keys”. Any other combination involving “all” will raise an exception.

Type: (list of (one of “all”, “add”, “cpw”, “delete”, “get−keys”, “get”, “list”, “modify”)) or string convertible to it

Default:

```
"all"
```

Declared by:

<nixpkgs/nixos/modules/services/system/kerberos/default.nix>

services.kerberos_server.settings.realms.<name>.acl.*.principal

Which principal the rule applies to

Type: string

Declared by:

<nixpkgs/nixos/modules/services/system/kerberos/default.nix>

services.kerberos_server.settings.realms.<name>.acl.*.target
The principals that ‘access’ applies to.

Type: string

Default:

```
"*"
```

Declared by:
<nixpkgs/nixos/modules/services/system/kerberos/default.nix>

services.keter.enable
Whether to enable keter, a web app deployment manager. Note that this module only support loading of webapps: Keep an old app running and swap the ports when the new one is booted .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/keter>

services.keter.package
The keter package to use.

Type: package

Default:

```
pkgs.haskellPackages.keter
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/keter>

services.keter.bundle.appName
The name keter assigns to this bundle

Type: string

Default:

```
"myapp"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/keter>

services.keter.bundle.domain
The domain keter will bind to

Type: string

Default:

```
"example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/keter>

services.keter.bundle.executable
The executable to be run

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/web−servers/keter>

services.keter.bundle.publicScript
Allows loading of public environment variables, these are emitted to the log so it shouldn't contain secrets.

Type: string

Default:

```
""
```

Example:

```
"ADMIN_EMAIL=hi@example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/keter>

services.keter.bundle.secretScript
Allows loading of private environment variables

Type: string

Default:

```
""
```

Example:

```
"MY_AWS_KEY=$(cat /run/keys/AWS_ACCESS_KEY_ID)"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/keter>

services.keter.globalKeterConfig
Global config for keter, see **https://github.com/snoyberg/keter/blob/master/etc/keter−config.yaml** for reference

Type: open submodule of (YAML 1.1 value)

Declared by:
<nixpkgs/nixos/modules/services/web−servers/keter>

services.keter.globalKeterConfig.ip−from−header
You want that ip−from−header in the nginx setup case. It allows nginx setting the original ip address rather then it being localhost (due to reverse proxying)

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/keter>

services.keter.globalKeterConfig.listeners

You want that ip−from−header in the nginx setup case. It allows nginx setting the original ip address rather then it being localhost (due to reverse proxying). However if you configure keter to accept connections directly you may want to set this to false.

Type: list of (submodule)

Default:

```
[
  {
    host = "*";
    port = 6981;
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/keter>

services.keter.globalKeterConfig.listeners.*.host

host

Type: string

Declared by:

<nixpkgs/nixos/modules/services/web−servers/keter>

services.keter.globalKeterConfig.listeners.*.port

port

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Declared by:

<nixpkgs/nixos/modules/services/web−servers/keter>

services.keter.globalKeterConfig.rotate−logs

emits keter logs and it's applications to stderr. which allows journald to capture them. Set to true to let keter put the logs in files (useful on non systemd systems, this is the old approach where keter handled log management)

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/keter>

services.keter.root

Mutable state folder for keter

Type: string

Default:

```
"/var/lib/keter"
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/keter>

services.keybase.enable

Whether to start the Keybase service.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/keybase.nix>

services.keycloak.enable

Whether to enable the Keycloak identity and access management server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/keycloak.nix>

services.keycloak.package

The keycloak package to use.

Type: package

Default:

```
pkgs.keycloak
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/keycloak.nix>

services.keycloak.database.caCert

The SSL / TLS CA certificate that verifies the identity of the database server.

Required when PostgreSQL is used and SSL is turned on.

For MySQL, if left at ‘null’, the default Java keystore is used, which should suffice if the server certificate is issued by an official CA.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/keycloak.nix>

services.keycloak.database.createLocally

Whether a database should be automatically created on the local host. Set this to false if you plan on provisioning a local database yourself. This has no effect if services.keycloak.database.host is customized.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/keycloak.nix>

services.keycloak.database.host
Hostname of the database to connect to.

For PostgreSQL, this can also be a path to a Unix socket directory (e.g., '/run/postgresql') to use peer authentication. This requires adding 'junixsocket−common' and 'junixsocket−native−common' to **services.keycloak.plugins**.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/keycloak.nix>

services.keycloak.database.name
Database name to use when connecting to an external or manually provisioned database; has no effect when a local database is automatically provisioned.

To use this with a local database, set **services.keycloak.database.createLocally** to 'false' and create the database and user manually.

Type: string

Default:

```
"keycloak"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/keycloak.nix>

services.keycloak.database.passwordFile
The path to a file containing the database password.

Not required when using Unix socket authentication (peer auth) by setting 'host' to a socket path like '/run/postgresql'.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/db_password"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/keycloak.nix>

services.keycloak.database.port
Port of the database to connect to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default: default port of selected database

Declared by:
<nixpkgs/nixos/modules/services/web−apps/keycloak.nix>

services.keycloak.database.type

The type of database Keycloak should connect to.

Type: one of “mysql”, “mariadb”, “postgresql”

Default:

```
"postgresql"
```

Example:

```
"mariadb"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/keycloak.nix>

services.keycloak.database.useSSL

Whether the database connection should be secured by SSL / TLS.

Defaults to ‘false’ for localhost and Unix socket connections.

Type: boolean

Default:

```
config.services.keycloak.database.host != "localhost" && !lib.hasPr \
efix "/" config.services.keycloak.database.host
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/keycloak.nix>

services.keycloak.database.username

Username to use when connecting to an external or manually provisioned database; has no effect when a local database is automatically provisioned.

To use this with a local database, set **services.keycloak.database.createLocally** to ‘false’ and create the database and user manually.

Type: string

Default:

```
"keycloak"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/keycloak.nix>

services.keycloak.initialAdminPassword

Initial password set for the temporary ‘admin’ user. The password is not stored safely and should be changed immediately in the admin panel.

See **Admin bootstrap and recovery** for details.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/keycloak.nix>

services.keycloak.plugins

Keycloak plugin jar, ear files or derivations containing them. Packaged plugins are available through ‘pkgs.keycloak.plugins’.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/keycloak.nix>

services.keycloak.realmFiles

Realm files that the server is going to import during startup. If a realm already exists in the server, the import operation is skipped. Importing the master realm is not supported. All files are expected to be in 'json' format. See the **documentation** for further information.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[
  ./some/realm.json
  ./another/realm.json
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/keycloak.nix>

services.keycloak.settings

Configuration options corresponding to parameters set in *conf/keycloak.conf*.

Most available options are documented at **https://www.keycloak.org/server/all−config**.

Options containing secret data should be set to an attribute set containing the attribute '_secret' − a string pointing to a file containing the value the option should be set to. See the example to get a better picture of this: in the resulting *conf/keycloak.conf* file, the 'https−key−store−password' key will be set to the contents of the */run/keys/store_password* file.

Type: open submodule of attribute set of (null or string or signed integer or boolean or attribute set of absolute path)

Example:

```
{
  hostname = "keycloak.example.com";
  https−key−store−file = "/path/to/file";
  https−key−store−password = { _secret = "/run/keys/store_passwo \
rd"; };
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/keycloak.nix>

services.keycloak.settings.hostname

The hostname part of the public URL used as base for all frontend requests.

See **https://www.keycloak.org/server/hostname** for more information about hostname configuration.

Type: null or string

Default:

```
null
```

Example:

```
"keycloak.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/keycloak.nix>

services.keycloak.settings.hostname−backchannel−dynamic
Enables dynamic resolving of backchannel URLs, including hostname, scheme, port and context path.

See **https://www.keycloak.org/server/hostname** for more information about hostname configuration.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/keycloak.nix>

services.keycloak.settings.http−host
On which address Keycloak should accept new connections.

Type: string

Default:

```
"::"
```

Example:

```
"::1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/keycloak.nix>

services.keycloak.settings.http−port
On which port Keycloak should listen for new HTTP connections.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
80
```

Example:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/keycloak.nix>

services.keycloak.settings.http−relative−path
The path relative to ‘/’ for serving resources.

Note
In versions of Keycloak using Wildfly (<17), this defaulted to ‘/auth’. If upgrading from the Wildfly version of Keycloak, i.e. a NixOS version before 22.05, you’ll likely want to set this to ‘/auth’ to keep compatibility with your clients.

See **https://www.keycloak.org/migration/migrating−to−quarkus** for more information on migrating from Wildfly to Quarkus.

Type: string

Default:

```
"/"
```

Example:

```
"/auth"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/keycloak.nix>

services.keycloak.settings.https−port
On which port Keycloak should listen for new HTTPS connections.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
443
```

Example:

```
8443
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/keycloak.nix>

services.keycloak.sslCertificate
The path to a PEM formatted certificate to use for TLS/SSL connections.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/ssl_cert"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/keycloak.nix>

services.keycloak.sslCertificateKey
The path to a PEM formatted private key to use for TLS/SSL connections.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/ssl_key"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/keycloak.nix>

services.keycloak.themes
Additional theme packages for Keycloak. Each theme is linked into subdirectory with a corresponding attribute name.

Theme packages consist of several subdirectories which provide different theme types: for example, ‘account’, ‘login’ etc. After adding a theme to this option you can select it by its name in Keycloak administration console.

Type: attribute set of package

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/keycloak.nix>

services.keyd.enable
Whether to enable keyd, a key remapping daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/keyd.nix>

services.keyd.package
The keyd package to use.

Type: package

Default:

```
pkgs.keyd
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/keyd.nix>

services.keyd.keyboards
Configuration for one or more device IDs. Corresponding files in the /etc/keyd/ directory are created according to the name of the keys (like ‘default’ or ‘externalKeyboard’).

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  default = {
    ids = [ "*" ];
    settings = {
      main = {
        capslock = "overload(control, esc)";
      };
    };
  };
  externalKeyboard = {
    ids = [ "1ea7:0907" ];
    settings = {
      main = {
        esc = capslock;
      };
    };
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/keyd.nix>

services.keyd.keyboards.<name>.extraConfig
Extra configuration that is appended to the end of the file. **Do not** write 'ids' section here, use a separate option for it. You can use this option to define compound layers that must always be defined after the layer they are comprised.

Type: strings concatenated with "\n"

Default:
```
""
```

Example:
```
[control+shift]
h = left
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/keyd.nix>

services.keyd.keyboards.<name>.ids
Device identifiers, as shown by **keyd**(1).

Type: list of string

Default:
```
[
  "*"
]
```

Example:
```
[
  "*"
  "-0123:0456"
]
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/keyd.nix>

services.keyd.keyboards.<name>.settings
Configuration, except 'ids' section, that is written to */etc/keyd/<keyboard>.conf*. Appropriate names can be used to write non−alpha keys, for example "equal" instead of "=" sign (see **https://github.com/NixOS/nixpkgs/issues/236622**). See **https://github.com/rvaiya/keyd** how to configure.

Type: attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:
```
{ }
```

Example:
```
{
  main = {
    capslock = "overload(control, esc)";
    rightalt = "layer(rightalt)";
  };
  rightalt = {
    h = "left";
    j = "down";
    k = "up";
```

```
      l = "right";
    };
  }
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/keyd.nix>

services.kimai.sites
Specification of one or more Kimai sites to serve

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kimai.nix>

services.kimai.sites.<name>.package
The kimai package to use.

Type: package

Default:

```
pkgs.kimai
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kimai.nix>

services.kimai.sites.<name>.database.charset
Database charset.

Type: string

Default:

```
"utf8mb4"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kimai.nix>

services.kimai.sites.<name>.database.createLocally
Create the database and database user locally.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kimai.nix>

services.kimai.sites.<name>.database.host
Database host address.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kimai.nix>

services.kimai.sites.<name>.database.name
Database name.

Type: string

Default:

```
"kimai"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kimai.nix>

services.kimai.sites.<name>.database.passwordFile
A file containing the password corresponding to **database.user**.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/kimai−dbpassword"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kimai.nix>

services.kimai.sites.<name>.database.port
Database host port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3306
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kimai.nix>

services.kimai.sites.<name>.database.serverVersion
MySQL *exact* version string. Not used if 'createdLocally' is set, but must be set otherwise. See **https://www.kimai.org/documentation/installation.html#column−table_name−in−where−clause−is−ambiguous** for how to set this value, especially if you're using MariaDB.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kimai.nix>

services.kimai.sites.<name>.database.socket
Path to the unix socket file to use for authentication.

Type: null or absolute path

Default:

```
/run/mysqld/mysqld.sock
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kimai.nix>

services.kimai.sites.<name>.database.user

Database user.

Type: string

Default:

```
"kimai"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/kimai.nix>

services.kimai.sites.<name>.environmentFile

Securely pass environment variabels to Kimai. This can be used to set other environement variables such as MAILER_URL.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/kimai.env"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/kimai.nix>

services.kimai.sites.<name>.poolConfig

Options for the Kimai PHP pool. See the documentation on ‘php−fpm.conf’ for details on configuration directives.

Type: attribute set of (string or signed integer or boolean)

Default:

```
{
  pm = "dynamic";
  "pm.max_children" = 32;
  "pm.max_requests" = 500;
  "pm.max_spare_servers" = 4;
  "pm.min_spare_servers" = 2;
  "pm.start_servers" = 2;
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/kimai.nix>

services.kimai.sites.<name>.settings

Structural Kimai’s local.yaml configuration. Refer to **https://www.kimai.org/documentation/local−yaml.html#localyaml** for details.

Type: attribute set of anything

Default:

```
{ }
```

Example:

```
{
  kimai = {
    timesheet = {
      rounding = {
        default = {
```

```
            begin = 15;
            end = 15;
          };
        };
      };
    };
  }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kimai.nix>

services.kimai.webserver
The webserver to configure for the PHP frontend.

At the moment, only ‘nginx’ is supported. PRs are welcome for support for other web servers.

Type: value “nginx” (singular enum)

Default:

```
"nginx"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/kimai.nix>

services.kismet.enable
Whether to enable kismet.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/kismet.nix>

services.kismet.package
The kismet package to use.

Type: package

Default:

```
pkgs.kismet
```

Declared by:
<nixpkgs/nixos/modules/services/networking/kismet.nix>

services.kismet.dataDir
The Kismet data directory.

Type: absolute path

Default:

```
"/var/lib/kismet"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/kismet.nix>

services.kismet.extraConfig

Literal Kismet config lines appended to the site config. Note that ‘services.kismet.settings’ allows you to define all options here using Nix attribute sets.

Type: string

Default:

```
""
```

Example:

```
# Looks like the following in ‘services.kismet.settings‘:
# wepkey = [ "00:DE:AD:C0:DE:00" "FEEDFACE42" ];
wepkey=00:DE:AD:C0:DE:00,FEEDFACE42
```

Declared by:

<nixpkgs/nixos/modules/services/networking/kismet.nix>

services.kismet.group

The group to run Kismet as.

Type: string

Default:

```
"kismet"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/kismet.nix>

services.kismet.httpd.enable

True to enable the HTTP server.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/kismet.nix>

services.kismet.httpd.address

The address to listen on. Note that this cannot be a hostname or Kismet will not start.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/kismet.nix>

services.kismet.httpd.port

The port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
2501
```

Declared by:

<nixpkgs/nixos/modules/services/networking/kismet.nix>

services.kismet.logTypes

The log types.

Type: list of string

Default:

```
[
  "kismet"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/kismet.nix>

services.kismet.serverDescription

The description of the server.

Type: string

Default:

```
"NixOS Kismet server"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/kismet.nix>

services.kismet.serverName

The name of the server.

Type: string

Default:

```
"Kismet"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/kismet.nix>

services.kismet.settings

Options for Kismet. See: https://www.kismetwireless.net/docs/readme/configuring/configfiles/

Type: Kismet config stanza

Default:

```
{ }
```

Example:

```
{
  /* Examples for atoms */
  # dot11_link_bssts=false
  dot11_link_bssts = false; # Boolean
  # dot11_related_bss_window=10000000
  dot11_related_bss_window = 10000000; # Integer
  # devicefound=00:11:22:33:44:55
  devicefound = "00:11:22:33:44:55"; # String
  # log_types+=wiglecsv
  log_types' = "wiglecsv";
  /* Examples for lists of atoms */
  # wepkey=00:DE:AD:C0:DE:00,FEEDFACE42
  wepkey = [ "00:DE:AD:C0:DE:00" "FEEDFACE42" ];
  # alert=ADHOCCONFLICT,5/min,1/sec
  # alert=ADVCRYPTCHANGE,5/min,1/sec
  alert = [
```

```
      [ "ADHOCCONFLICT"  "5/min" "1/sec" ]
      [ "ADVCRYPTCHANGE" "5/min" "1/sec" ]
    ];
    /* Examples for sets of atoms */
    # source=wlan0:name=ath11k
    source.wlan0 = { name = "ath11k"; };
    /* Examples with colon-suffixed headers */
    # gps=gpsd:host=localhost,port=2947
    gps.gpsd = {
      host = "localhost";
      port = 2947;
    };
    # apspoof=Foo1:ssid=Bar1,validmacs="00:11:22:33:44:55,aa:bb:cc:dd \
  :ee:ff"
    # apspoof=Foo1:ssid=Bar2,validmacs="01:12:23:34:45:56,ab:bc:cd:de \
  :ef:f0"
    # apspoof=Foo2:ssid=Baz1,validmacs="11:22:33:44:55:66,bb:cc:dd:ee \
  :ff:00"
    apspoof.Foo1 = [
      { ssid = "Bar1"; validmacs = [ "00:11:22:33:44:55" "aa:bb:cc:dd \
  :ee:ff" ]; }
      { ssid = "Bar2"; validmacs = [ "01:12:23:34:45:56" "ab:bc:cd:de \
  :ef:f0" ]; }
    ];
    # because Foo1 is a list, Foo2 needs to be as well
    apspoof.Foo2 = [
      {
        ssid = "Bar2";
        validmacs = [ "00:11:22:33:44:55" "aa:bb:cc:dd:ee:ff" ];
      };
    ];
  }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/kismet.nix>

services.kismet.user
The user to run Kismet as.

Type: string

Default:

```
"kismet"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/kismet.nix>

services.kiwix-serve.enable
Whether to enable the kiwix-serve server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/kiwix-serve.nix>

services.kiwix-serve.package
The kiwix-tools package to use.

Type: package

Default:

```
pkgs.kiwix-tools
```

Declared by:
<nixpkgs/nixos/modules/services/misc/kiwix-serve.nix>

services.kiwix-serve.address
Listen only on the specified IP address. Specify “ipv4”, “ipv6” or “all” to listen on all IPv4, IPv6, or both types of addresses, respectively.

Type: string

Default:

```
"all"
```

Example:

```
"ipv4"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/kiwix-serve.nix>

services.kiwix-serve.extraArgs
Extra arguments to pass to kiwix-serve.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--verbose"
  "--skipInvalid"
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/kiwix-serve.nix>

services.kiwix-serve.library
A set of ZIM files to serve. The key is used as the name for the ZIM files (e.g. in the example, the files will be served as ‘wikipedia.zim’ and ‘nix.zim’).

Exclusive with **services.kiwix-serve.libraryPath**.

Type: attribute set of absolute path

Default:

```
{ }
```

Example:

```
{
  wikipedia = "/data/wikipedia_en_all_maxi_2026-02.zim";
  nix = pkgs.fetchurl {
    url = "https://download.kiwix.org/zim/devdocs/devdocs_en_nix_20 \
```

```
26-01.zim";
    hash = "sha256-QxB9qDKSzzEU8t4droI08BXdYn+HMVkgiJMO3SoGTqM=";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/kiwix-serve.nix>

services.kiwix-serve.libraryPath
An XML library file listing ZIM files to serve. For more information, see **https://wiki.kiwix.org/wiki/Kiwix-manage**.

Exclusive with **services.kiwix-serve.library**.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/data/library.xml"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/kiwix-serve.nix>

services.kiwix-serve.openFirewall
Whether to open the firewall for the configured port.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/kiwix-serve.nix>

services.kiwix-serve.port
The port on which to run kiwix-serve.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/misc/kiwix-serve.nix>

services.klipper.enable
Whether to enable Klipper, the 3D printer firmware.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/klipper.nix>

services.klipper.package
The klipper package to use.

Type: package

Default:

```
pkgs.klipper
```

Declared by:
<nixpkgs/nixos/modules/services/misc/klipper.nix>

services.klipper.apiSocket
Path of the API socket to create.

Type: null or absolute path

Default:

```
"/run/klipper/api"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/klipper.nix>

services.klipper.configDir
Path to Klipper config file.

Type: absolute path

Default:

```
"/var/lib/klipper"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/klipper.nix>

services.klipper.configFile
Path to default Klipper config.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/klipper.nix>

services.klipper.extraSettings
Extra lines to append to the generated Klipper configuration.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/misc/klipper.nix>

services.klipper.firmwares
Firmwares Klipper should manage

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  mcu = {
    configFile = {
      _type = "literalExpression";
      text = "./klipper-firmware.cfg";
    };
    enable = true;
    enableKlipperFlash = true;
    serial = "/dev/serial/by-id/usb-Klipper_123ABCDEF";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/klipper.nix>

services.klipper.firmwares.<name>.enable
Whether to enable building of firmware for manual flashing .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/klipper.nix>

services.klipper.firmwares.<name>.enableKlipperFlash
Whether to enable flashings scripts for firmware. This will add 'klipper-flash-$mcu' scripts to your environment which can be called to flash the firmware. Please check the configs at **klipper** whether your board supports flashing via 'make flash' .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/klipper.nix>

services.klipper.firmwares.<name>.package
Path to the built firmware package.

Type: null or package *(read only)*

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/klipper.nix>

services.klipper.firmwares.<name>.configFile
Path to firmware config which is generated using ‘klipper−genconf’

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/misc/klipper.nix>

services.klipper.firmwares.<name>.klipperFlashPackage
Path to the built klipper−flash package.

Type: null or package *(read only)*

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/klipper.nix>

services.klipper.firmwares.<name>.serial
Path to serial port this printer is connected to. Derived from ‘service.klipper.settings’ by default.

Type: null or absolute path

Default:

```
config.services.klipper.settings.<name>.serial
```

Declared by:
<nixpkgs/nixos/modules/services/misc/klipper.nix>

services.klipper.group
Group account under which Klipper runs.

If null is specified (default), a temporary user will be created by systemd.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/klipper.nix>

services.klipper.inputTTY
Path of the virtual printer symlink to create.

Type: absolute path

Default:

```
"/run/klipper/tty"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/klipper.nix>

services.klipper.logFile
Path of the file Klipper should log to. If ‘null’, it logs to stdout, which is not recommended by upstream.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/lib/klipper/klipper.log"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/klipper.nix>

services.klipper.mutableConfig
Whether to manage the config outside of NixOS.

It will still be initialized with the defined NixOS config if the file doesn't already exist.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/klipper.nix>

services.klipper.octoprintIntegration
Allows Octoprint to control Klipper.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/klipper.nix>

services.klipper.settings
Configuration for Klipper. See the **documentation** for supported values.

Type: null or (attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string) or a non−empty list of them))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/klipper.nix>

services.klipper.user
User account under which Klipper runs.

If null is specified (default), a temporary user will be created by systemd.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/klipper.nix>

services.kmonad.enable
Whether to enable KMonad: an advanced keyboard manager.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/kmonad.nix>

services.kmonad.package
The KMonad package to use.

Type: package

Default:

```
pkgs.kmonad
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/kmonad.nix>

services.kmonad.extraArgs
Extra arguments to pass to KMonad.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--log-level"
  "debug"
]
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/kmonad.nix>

services.kmonad.keyboards
Keyboard configuration.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/kmonad.nix>

services.kmonad.keyboards.<name>.enableHardening
Whether to enable systemd hardening.

Note
If KMonad is used to execute shell commands, hardening may make some of them fail.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/kmonad.nix>

services.kmonad.keyboards.<name>.config
Keyboard configuration.

Type: strings concatenated with “\n”

Declared by:
<nixpkgs/nixos/modules/services/hardware/kmonad.nix>

services.kmonad.keyboards.<name>.defcfg.enable
Whether to enable automatic generation of the defcfg block.

When this option is set to true, the config option for this keyboard should not include a defcfg block .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/kmonad.nix>

services.kmonad.keyboards.<name>.defcfg.allowCommands
Whether to enable keys to run shell commands.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/kmonad.nix>

services.kmonad.keyboards.<name>.defcfg.compose.delay
The delay (in milliseconds) between compose key sequences.

Type: unsigned integer, meaning >=0

Default:

```
5
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/kmonad.nix>

services.kmonad.keyboards.<name>.defcfg.compose.key
The (optional) compose key to use.

Type: null or string

Default:

```
"ralt"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/kmonad.nix>

services.kmonad.keyboards.<name>.defcfg.fallthrough
Whether to enable re−emitting unhandled key events.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/kmonad.nix>

services.kmonad.keyboards.<name>.device
Path to the keyboard's device file.

Type: absolute path

Example:

```
"/dev/input/by−id/some−dev"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/kmonad.nix>

services.kmonad.keyboards.<name>.extraGroups
Extra permission groups to attach to the KMonad instance for this keyboard.

Since KMonad runs as an unprivileged user, it may sometimes need extra permissions in order to read the keyboard device file. If your keyboard's device file isn't in the input group, you'll need to list its group in this option.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/kmonad.nix>

services.kmonad.keyboards.<name>.name
Keyboard name.

Type: string

Default:

```
"‹name›"
```

Example:

```
"laptop−internal"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/kmonad.nix>

services.kmscon.enable
Whether to enable Use kmscon instead of autovt.

Kmscon is a simple terminal emulator based on linux kernel mode setting (KMS). It is an attempt to replace the in−kernel VT implementation with a userspace console. .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/ttys/kmscon.nix>

services.kmscon.package
The kmscon package to use.

Type: package

Default:

```
pkgs.kmscon
```

Declared by:
<nixpkgs/nixos/modules/services/ttys/kmscon.nix>

services.kmscon.extraConfig
Extra contents of the kmscon.conf file.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
"font-size=14"
```

Declared by:
<nixpkgs/nixos/modules/services/ttys/kmscon.nix>

services.kmscon.extraOptions
Extra flags to pass to kmscon.

Type: strings concatenated with " "

Default:

```
""
```

Example:

```
"--term xterm-256color"
```

Declared by:
<nixpkgs/nixos/modules/services/ttys/kmscon.nix>

services.kmscon.fonts
Fonts used by kmscon, in order of priority.

Type: null or (non-empty (list of (submodule)))

Default:

```
null
```

Example:

```
[ { name = "Source Code Pro"; package = pkgs.source-code-pro; } ]
```

Declared by:
<nixpkgs/nixos/modules/services/ttys/kmscon.nix>

services.kmscon.fonts.*.package
Package providing the font.

Type: package

Declared by:
<nixpkgs/nixos/modules/services/ttys/kmscon.nix>

services.kmscon.fonts.*.name
Font name, as used by fontconfig.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/ttys/kmscon.nix>

services.kmscon.hwRender
Whether to enable 3D hardware acceleration to render the console.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/ttys/kmscon.nix>

services.kmscon.term
Value for the TERM environment variable.

Type: null or string

Default:

```
null
```

Example:

```
"xterm-256color"
```

Declared by:
<nixpkgs/nixos/modules/services/ttys/kmscon.nix>

services.kmscon.useXkbConfig
Whether to enable configure keymap from xserver keyboard settings…

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/ttys/kmscon.nix>

services.knot.enable

Whether to enable Knot authoritative−only DNS server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/knot.nix>

services.knot.enableXDP

Extends the systemd unit with permissions to allow for the use of the eXpress Data Path (XDP).

Note
Make sure to read up on functional **limitations** when running in XDP mode.

Type: boolean

Default:

```
  Enabled when the ‘xdp.listen‘ setting is configured through ‘sett \
ings‘.
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/knot.nix>

services.knot.package

The knot−dns package to use.

Type: package

Default:

```
pkgs.knot−dns
```

Declared by:

<nixpkgs/nixos/modules/services/networking/knot.nix>

services.knot.checkConfig

Toggles the configuration test at build time. It runs in a sandbox, and therefore cannot be used in all scenarios.

Type: boolean

Default:

```
  Disabled when the config uses ‘keyFiles‘ or ‘enableXDP‘.
```

Example:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/knot.nix>

services.knot.extraArgs

List of additional command line parameters for knotd

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/knot.nix>

services.knot.keyFiles

A list of files containing additional configuration to be included using the include directive. This option allows to include configuration like TSIG keys without exposing them to the nix store readable to any process. Note that using this option will also disable configuration checks at build time.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/knot.nix>

services.knot.settings

Extra configuration as nix values.

Type: YAML 1.1 value

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/knot.nix>

services.knot.settingsFile

As alternative to ‘settings’, you can provide whole configuration directly in the almost−YAML format of Knot DNS. You might want to utilize ‘pkgs.writeText "knot.conf" "longConfigString"’ for this.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/knot.nix>

services.knot−resolver.enable

Whether to enable knot−resolver (version 6) domain name server. DNSSEC validation is turned on by default. If you want to use knot−resolver 5, please use services.kresd.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/knot−resolver.nix>

services.knot−resolver.managerPackage

The knot−resolver−manager_6 package to use.

Type: package

Default:

```
pkgs.knot−resolver−manager_6
```

Example:

```
pkgs.knot−resolver−manager_6.override { extraFeatures = true; }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/knot−resolver.nix>

services.knot−resolver.settings

Nix−based (RFC 42) configuration for Knot Resolver. For configuration reference (described as YAML) see **https://www.knot−resolver.cz/documentation/latest/config−overview.html**

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/knot−resolver.nix>

services.knot−resolver.settings.network.listen

List of interfaces to listen to and its configuration.

Type: list of (open submodule of (YAML 1.1 value))

Default:

```
[
  {
    interface = [ "127.0.0.1" ];
    kind = "dns";
    freebind = false;
  }
]
++ lib.optionals config.networking.enableIPv6 [
  {
    interface = [ "::1" ];
    kind = "dns";
    freebind = false;
  }
 ];
```

Declared by:

<nixpkgs/nixos/modules/services/networking/knot−resolver.nix>

services.knot−resolver.settings.workers

The number of running kresd (Knot Resolver daemon) workers. If set to ‘auto’, it is equal to number of CPUs available.

Type: value “auto” (singular enum) or (unsigned integer, meaning >=0)

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/networking/knot−resolver.nix>

services.komga.enable
Whether to enable Komga, a free and open source comics/mangas media server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/komga.nix>

services.komga.group
Group under which Komga runs.

Type: string

Default:

```
"komga"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/komga.nix>

services.komga.openFirewall
Whether to open the firewall for the port in **services.komga.settings.server.port**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/komga.nix>

services.komga.settings
Komga configuration.

See **documentation**.

Type: open submodule of (YAML 1.1 value)

Declared by:
<nixpkgs/nixos/modules/services/web−apps/komga.nix>

services.komga.settings.server.port
The port that Komga will listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/komga.nix>

services.komga.stateDir

State and configuration directory Komga will use.

Type: string

Default:

```
"/var/lib/komga"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/komga.nix>

services.komga.user

User account under which Komga runs.

Type: string

Default:

```
"komga"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/komga.nix>

services.komodo−periphery.enable

Whether to enable Periphery, a multi−server Docker and Git deployment agent by Komodo.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/admin/komodo−periphery.nix>

services.komodo−periphery.package

The komodo package to use.

Type: package

Default:

```
pkgs.komodo
```

Declared by:

<nixpkgs/nixos/modules/services/admin/komodo−periphery.nix>

services.komodo−periphery.allowedIps

IP addresses or subnets allowed to call the periphery API. Empty list allows all.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "::ffff:12.34.56.78"
  "10.0.10.0/24"
]
```

Declared by:
<nixpkgs/nixos/modules/services/admin/komodo−periphery.nix>

services.komodo−periphery.bindIp
IP address to bind to.

Type: string

Default:

```
"[::]"
```

Declared by:
<nixpkgs/nixos/modules/services/admin/komodo−periphery.nix>

services.komodo−periphery.configFile
Path to the periphery configuration file. If null, a configuration file will be generated from the module options.

Type: null or absolute path

Default:

```
null
```

Example:

```
pkgs.writeText "periphery.toml" ''
  port = 8120
  bind_ip = "[::]"
  ssl_enabled = true
  [logging]
  level = "info"
```

Declared by:
<nixpkgs/nixos/modules/services/admin/komodo−periphery.nix>

services.komodo−periphery.containerStatsPollingRate
Container stats polling interval.

Type: string

Default:

```
"30−sec"
```

Example:

```
"1−min"
```

Declared by:
<nixpkgs/nixos/modules/services/admin/komodo−periphery.nix>

services.komodo−periphery.disableContainerExec
Disable remote container shell access through Periphery.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/admin/komodo−periphery.nix>

services.komodo−periphery.disableTerminals
Disable remote shell access through Periphery.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/admin/komodo−periphery.nix>

services.komodo−periphery.environment
Environment variables to set for the service.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  DOCKER_HOST = "unix:///var/run/docker.sock";
  RUST_LOG = "komodo=debug";
}
```

Declared by:
<nixpkgs/nixos/modules/services/admin/komodo−periphery.nix>

services.komodo−periphery.environmentFile
Environment file for additional configuration via environment variables.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/komodo−periphery.env"
```

Declared by:
<nixpkgs/nixos/modules/services/admin/komodo−periphery.nix>

services.komodo−periphery.excludeDiskMounts
Exclude these mount paths from disk reporting.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "/tmp"
  "/boot"
]
```

Declared by:
<nixpkgs/nixos/modules/services/admin/komodo−periphery.nix>

services.komodo−periphery.extraSettings

Extra settings to add to the generated TOML config.

Type: TOML value

Default:

```
{ }
```

Example:

```
{
  secrets = {
    GITHUB_TOKEN = "ghp_xxxx";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/admin/komodo−periphery.nix>

services.komodo−periphery.group

Group under which the Periphery agent runs.

Type: string

Default:

```
"komodo−periphery"
```

Declared by:

<nixpkgs/nixos/modules/services/admin/komodo−periphery.nix>

services.komodo−periphery.includeDiskMounts

Only include these mount paths in disk reporting.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "/mnt/data"
  "/mnt/backup"
]
```

Declared by:

<nixpkgs/nixos/modules/services/admin/komodo−periphery.nix>

services.komodo−periphery.legacyComposeCli

Use ‘docker−compose’ instead of ‘docker compose’.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/admin/komodo−periphery.nix>

services.komodo−periphery.logging.level
Logging verbosity level.

Type: one of “off”, “error”, “warn”, “info”, “debug”, “trace”

Default:

```
"info"
```

Declared by:
<nixpkgs/nixos/modules/services/admin/komodo−periphery.nix>

services.komodo−periphery.logging.otlpEndpoint
OpenTelemetry OTLP endpoint for traces.

Type: string

Default:

```
""
```

Example:

```
"http://localhost:4317"
```

Declared by:
<nixpkgs/nixos/modules/services/admin/komodo−periphery.nix>

services.komodo−periphery.logging.stdio
Logging format for stdout/stderr.

Type: one of “standard”, “json”, “none”

Default:

```
"standard"
```

Declared by:
<nixpkgs/nixos/modules/services/admin/komodo−periphery.nix>

services.komodo−periphery.passkeys
Passkeys required to access the periphery API. WARNING: These will be stored in the Nix store in plain text!

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "your−secure−passkey"
]
```

Declared by:
<nixpkgs/nixos/modules/services/admin/komodo−periphery.nix>

services.komodo−periphery.port
Port for the Periphery agent to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8120
```

Declared by:
<nixpkgs/nixos/modules/services/admin/komodo-periphery.nix>

services.komodo-periphery.rootDirectory
Root directory for Komodo Periphery data.

Type: absolute path

Default:

```
"/var/lib/komodo-periphery"
```

Declared by:
<nixpkgs/nixos/modules/services/admin/komodo-periphery.nix>

services.komodo-periphery.ssl.enable
Whether to enable SSL/TLS support.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/admin/komodo-periphery.nix>

services.komodo-periphery.ssl.certFile
Path to SSL certificate file.

Type: absolute path

Default:

```
"${config.services.komodo-periphery.rootDirectory}/ssl/cert.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/admin/komodo-periphery.nix>

services.komodo-periphery.ssl.keyFile
Path to SSL key file.

Type: absolute path

Default:

```
"${config.services.komodo-periphery.rootDirectory}/ssl/key.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/admin/komodo-periphery.nix>

services.komodo-periphery.statsPollingRate
System stats polling interval.

Type: string

Default:

```
"5-sec"
```

Example:

```
"10-sec"
```

Declared by:
<nixpkgs/nixos/modules/services/admin/komodo−periphery.nix>

services.komodo−periphery.user
User under which the Periphery agent runs.

Type: string

Default:

```
"komodo−periphery"
```

Declared by:
<nixpkgs/nixos/modules/services/admin/komodo−periphery.nix>

services.kresd.enable
Whether to enable knot−resolver (version 5) domain name server. DNSSEC validation is turned on by default. You can run ‘kresd−cli 1’ and give commands interactively to kresd@1.service. If you want to user knot−resolver 6, please use services.knot−resolver.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/kresd.nix>

services.kresd.package
The knot−resolver_5 package to use.

Type: package

Default:

```
pkgs.knot−resolver_5
```

Example:

```
knot−resolver_5.override { extraFeatures = true; }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/kresd.nix>

services.kresd.extraConfig
Extra lines to be added verbatim to the generated configuration file. See upstream documentation **https://www.knot−resolver.cz/documentation/stable/config−overview.html** for more details.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/kresd.nix>

services.kresd.instances
The number of instances to start. They will be called kresd@{1,2,…}.service. Knot Resolver uses no threads, so this is the way to scale. You can dynamically start/stop them at will, so this is just system default.

Type: unsigned integer, meaning >=0

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/networking/kresd.nix>

services.kresd.listenDoH
Addresses and ports on which kresd should provide DNS over HTTPS/2 (see RFC 8484). For detailed syntax see ListenStream in **systemd.socket**(5).

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "198.51.100.1:443"
  "[2001:db8::1]:443"
  "443"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/kresd.nix>

services.kresd.listenPlain
What addresses and ports the server should listen on. For detailed syntax see ListenStream in **systemd.socket**(5).

Type: list of string

Default:

```
[
  "[::1]:53"
  "127.0.0.1:53"
]
```

Example:

```
[
  "53"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/kresd.nix>

services.kresd.listenTLS
Addresses and ports on which kresd should provide DNS over TLS (see RFC 7858). For detailed syntax see ListenStream in **systemd.socket**(5).

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "198.51.100.1:853"
  "[2001:db8::1]:853"
  "853"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/kresd.nix>

services.kthxbye.enable
Whether to enable kthxbye alert acknowledgement management daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/kthxbye.nix>

services.kthxbye.package
The kthxbye package to use.

Type: package

Default:

```
pkgs.kthxbye
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/kthxbye.nix>

services.kthxbye.alertmanager.timeout
Alertmanager request timeout duration in the **time.Duration** format.

Type: string

Default:

```
"1m0s"
```

Example:

```
"30s"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/kthxbye.nix>

services.kthxbye.alertmanager.uri
Alertmanager URI to use.

Type: string

Default:

```
"http://localhost:9093"
```

Example:

```
"https://alertmanager.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/kthxbye.nix>

services.kthxbye.extendBy
Extend silences by adding DURATION seconds.

DURATION should be provided in the **time.Duration** format.

Type: string

Default:

```
"15m0s"
```

Example:

```
"6h0m0s"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/kthxbye.nix>

services.kthxbye.extendIfExpiringIn
Extend silences that are about to expire in the next DURATION seconds.

DURATION should be provided in the **time.Duration** format.

Type: string

Default:

```
"5m0s"
```

Example:

```
"1m0s"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/kthxbye.nix>

services.kthxbye.extendWithPrefix
Extend silences with comment starting with PREFIX string.

Type: string

Default:

```
"ACK!"
```

Example:

```
"!perma-silence"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/kthxbye.nix>

services.kthxbye.extraOptions
Extra command line options.

Documentation can be found **here**.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--extend-with-prefix 'ACK!'"
];
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/kthxbye.nix>

services.kthxbye.interval
Silence check interval duration in the **time.Duration** format.

Type: string

Default:

```
"45s"
```

Example:

```
"30s"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/kthxbye.nix>

services.kthxbye.listenAddress
The address to listen on for HTTP requests.

Type: string

Default:

```
"0.0.0.0"
```

Example:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/kthxbye.nix>

services.kthxbye.logJSON
Format logged messages as JSON.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/kthxbye.nix>

services.kthxbye.maxDuration
Maximum duration of a silence, it won’t be extended anymore after reaching it.

Duration should be provided in the **time.Duration** format.

Type: null or string

Default:

```
null
```

Example:

```
"30d"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/kthxbye.nix>

services.kthxbye.openFirewall
Whether to open ports in the firewall needed for the daemon to function.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/kthxbye.nix>

services.kthxbye.port

The port to listen on for HTTP requests.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/kthxbye.nix>

services.kubernetes.package

The kubernetes package to use.

Type: package

Default:

```
pkgs.kubernetes
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/kubernetes/default.nix>

services.kubernetes.addonManager.enable

Whether to enable Kubernetes addon manager.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/kubernetes/addon−manager.nix>

services.kubernetes.addonManager.addons

Kubernetes addons (any kind of Kubernetes resource can be an addon).

Type: attribute set of ((attribute set) or list of (attribute set))

Default:

```
{ }
```

Example:

```
{
  "my−service" = {
    "apiVersion" = "v1";
    "kind" = "Service";
    "metadata" = {
      "name" = "my−service";
      "namespace" = "default";
    };
    "spec" = { ... };
  };
}
// import <nixpkgs/nixos/modules/services/cluster/kubernetes/dns.ni \
x> { cfg = config.services.kubernetes; };
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/addon−manager.nix>

services.kubernetes.addonManager.bootstrapAddons
Bootstrap addons are like regular addons, but they are applied with cluster−admin rights. They are applied at addon−manager startup only.

Type: attribute set of (attribute set)

Default:

```
{ }
```

Example:

```
{
  "my−service" = {
    "apiVersion" = "v1";
    "kind" = "Service";
    "metadata" = {
      "name" = "my−service";
      "namespace" = "default";
    };
    "spec" = { ... };
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/addon−manager.nix>

services.kubernetes.addons.dns.enable
Whether to enable kubernetes dns addon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/addons/dns.nix>

services.kubernetes.addons.dns.clusterDomain
Dns cluster domain

Type: string

Default:

```
"cluster.local"
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/addons/dns.nix>

services.kubernetes.addons.dns.clusterIp
Dns addon clusterIP

Type: string

Default: The x.y.z.254 IP of config.services.kubernetes.apiserver.serviceClusterIpRange.

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/addons/dns.nix>

services.kubernetes.addons.dns.corednsImage
Docker image to seed for the CoreDNS container.

Type: package

Default:

```
<derivation docker-image-coredns.tar.gz>
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/addons/dns.nix>

services.kubernetes.addons.dns.corefile
Custom coredns corefile configuration.

See: **https://coredns.io/manual/toc/#configuration**.

Type: string

Default:

```
      .:10053 {
        errors
        health :10054
        kubernetes ${config.services.kubernetes.addons.dns.clusterDomai \
    n} in-addr.arpa ip6.arpa {
          pods insecure
          fallthrough in-addr.arpa ip6.arpa
        }
        prometheus :10055
        forward . /etc/resolv.conf
        cache 30
        loop
        reload
        loadbalance
      }
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/addons/dns.nix>

services.kubernetes.addons.dns.reconcileMode
Controls the addon manager reconciliation mode for the DNS addon.

Setting reconcile mode to EnsureExists makes it possible to tailor DNS behavior by editing the coredns ConfigMap.

See: **https://github.com/kubernetes/kubernetes/blob/master/cluster/addons/addon-manager/README.md**.

Type: one of “Reconcile”, “EnsureExists”

Default:

```
"Reconcile"
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/addons/dns.nix>

services.kubernetes.addons.dns.replicas

Number of DNS pod replicas to deploy in the cluster.

Type: signed integer

Default:

```
2
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/kubernetes/addons/dns.nix>

services.kubernetes.apiserver.enable

Whether to enable Kubernetes apiserver.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/kubernetes/apiserver.nix>

services.kubernetes.apiserver.enableAdmissionPlugins

Kubernetes admission control plugins to enable. See **https://kubernetes.io/docs/admin/admission−controllers/**

Type: list of string

Default:

```
[
  "NamespaceLifecycle"
  "LimitRanger"
  "ServiceAccount"
  "ResourceQuota"
  "DefaultStorageClass"
  "DefaultTolerationSeconds"
  "NodeRestriction"
]
```

Example:

```
[
  "NamespaceLifecycle"
  "NamespaceExists"
  "LimitRanger"
  "SecurityContextDeny"
  "ServiceAccount"
  "ResourceQuota"
  "PodSecurityPolicy"
  "NodeRestriction"
  "DefaultStorageClass"
]
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/kubernetes/apiserver.nix>

services.kubernetes.apiserver.advertiseAddress

Kubernetes apiserver IP address on which to advertise the apiserver to members of the cluster. This address must be reachable by the rest of the cluster.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/kubernetes/apiserver.nix>

services.kubernetes.apiserver.allowPrivileged

Whether to allow privileged containers on Kubernetes.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/kubernetes/apiserver.nix>

services.kubernetes.apiserver.apiAudiences

Kubernetes apiserver ServiceAccount issuer.

Type: string

Default:

```
"api,https://kubernetes.default.svc"
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/kubernetes/apiserver.nix>

services.kubernetes.apiserver.authorizationMode

Kubernetes apiserver authorization mode (AlwaysAllow/AlwaysDeny/ABAC/Webhook/RBAC/Node). See **https://kubernetes.io/docs/reference/access−authn−authz/authorization/**

Type: list of (one of “AlwaysAllow”, “AlwaysDeny”, “ABAC”, “Webhook”, “RBAC”, “Node”)

Default:

```
[
  "RBAC"
  "Node"
]
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/kubernetes/apiserver.nix>

services.kubernetes.apiserver.authorizationPolicy

Kubernetes apiserver authorization policy file. See **https://kubernetes.io/docs/reference/access−authn−authz/authorization/**

Type: list of (attribute set)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/kubernetes/apiserver.nix>

services.kubernetes.apiserver.basicAuthFile

Kubernetes apiserver basic authentication file. See **https://kubernetes.io/docs/reference/access−authn−authz/authentication**

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/kubernetes/apiserver.nix>

services.kubernetes.apiserver.bindAddress

The IP address on which to listen for the −−secure−port port. The associated interface(s) must be reachable by the rest of the cluster, and by CLI/web clients.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/kubernetes/apiserver.nix>

services.kubernetes.apiserver.clientCaFile

Kubernetes apiserver CA file for client auth.

Type: null or absolute path

Default:

```
config.services.kubernetes.caFile
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/kubernetes/apiserver.nix>

services.kubernetes.apiserver.disableAdmissionPlugins

Kubernetes admission control plugins to disable. See **https://kubernetes.io/docs/admin/admission−controllers/**

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/kubernetes/apiserver.nix>

services.kubernetes.apiserver.etcd.caFile

Etcd ca file.

Type: null or absolute path

Default:

```
config.services.kubernetes.caFile
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/kubernetes/apiserver.nix>

services.kubernetes.apiserver.etcd.certFile
Etcd cert file.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/apiserver.nix>

services.kubernetes.apiserver.etcd.keyFile
Etcd key file.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/apiserver.nix>

services.kubernetes.apiserver.etcd.servers
List of etcd servers.

Type: list of string

Default:

```
[
  "http://127.0.0.1:2379"
]
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/apiserver.nix>

services.kubernetes.apiserver.extraOpts
Kubernetes apiserver extra command line options.

Type: strings concatenated with " "

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/apiserver.nix>

services.kubernetes.apiserver.extraSANs
Extra x509 Subject Alternative Names to be added to the kubernetes apiserver tls cert.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/apiserver.nix>

services.kubernetes.apiserver.featureGates
Attribute set of feature gates.

Type: attribute set of boolean

Default:

```
config.services.kubernetes.featureGates
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/apiserver.nix>

services.kubernetes.apiserver.kubeletClientCaFile
Path to a cert file for connecting to kubelet.

Type: null or absolute path

Default:

```
config.services.kubernetes.caFile
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/apiserver.nix>

services.kubernetes.apiserver.kubeletClientCertFile
Client certificate to use for connections to kubelet.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/apiserver.nix>

services.kubernetes.apiserver.kubeletClientKeyFile
Key to use for connections to kubelet.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/apiserver.nix>

services.kubernetes.apiserver.preferredAddressTypes
List of the preferred NodeAddressTypes to use for kubelet connections.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/apiserver.nix>

services.kubernetes.apiserver.proxyClientCertFile
Client certificate to use for connections to proxy.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/apiserver.nix>

services.kubernetes.apiserver.proxyClientKeyFile
Key to use for connections to proxy.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/apiserver.nix>

services.kubernetes.apiserver.runtimeConfig
Api runtime configuration. See **https://kubernetes.io/docs/tasks/administer−cluster/cluster−management/**

Type: string

Default:

```
"authentication.k8s.io/v1beta1=true"
```

Example:

```
"api/all=false,api/v1=true"
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/apiserver.nix>

services.kubernetes.apiserver.securePort
Kubernetes apiserver secure port.

Type: signed integer

Default:

```
6443
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/apiserver.nix>

services.kubernetes.apiserver.serviceAccountIssuer
Kubernetes apiserver ServiceAccount issuer.

Type: string

Default:

```
"https://kubernetes.default.svc"
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/apiserver.nix>

services.kubernetes.apiserver.serviceAccountKeyFile
File containing PEM−encoded x509 RSA or ECDSA private or public keys, used to verify ServiceAccount tokens. The specified file can contain multiple keys, and the flag can be specified multiple times with different files. If unspecified, −−tls−private−key−file is used. Must be specified when −−service−account−signing−key is provided

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/apiserver.nix>

services.kubernetes.apiserver.serviceAccountSigningKeyFile
Path to the file that contains the current private key of the service account token issuer. The issuer will sign issued ID tokens with this private key.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/apiserver.nix>

services.kubernetes.apiserver.serviceClusterIpRange

A CIDR notation IP range from which to assign service cluster IPs. This must not overlap with any IP ranges assigned to nodes for pods.

Type: string

Default:

```
"10.0.0.0/24"
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/kubernetes/apiserver.nix>

services.kubernetes.apiserver.storageBackend

Kubernetes apiserver storage backend.

Type: one of “etcd2”, “etcd3”

Default:

```
"etcd3"
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/kubernetes/apiserver.nix>

services.kubernetes.apiserver.tlsCertFile

Kubernetes apiserver certificate file.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/kubernetes/apiserver.nix>

services.kubernetes.apiserver.tlsKeyFile

Kubernetes apiserver private key file.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/kubernetes/apiserver.nix>

services.kubernetes.apiserver.tokenAuthFile

Kubernetes apiserver token authentication file. See **https://kubernetes.io/docs/reference/access−authn−authz/authentication**

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/kubernetes/apiserver.nix>

services.kubernetes.apiserver.verbosity

Optional glog verbosity level for logging statements. See **https://github.com/kubernetes/community/blob/master/contributors/devel/logging.md**

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/apiserver.nix>

services.kubernetes.apiserver.webhookConfig
Kubernetes apiserver Webhook config file. It uses the kubeconfig file format. See **https://kubernetes.io/docs/reference/access-authn-authz/webhook/**

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/apiserver.nix>

services.kubernetes.apiserverAddress
Clusterwide accessible address for the kubernetes apiserver, including protocol and optional port.

Type: string

Example:

```
"https://kubernetes-apiserver.example.com:6443"
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/default.nix>

services.kubernetes.caFile
Default kubernetes certificate authority

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/default.nix>

services.kubernetes.clusterCidr
Kubernetes controller manager and proxy CIDR Range for Pods in cluster.

Type: null or string

Default:

```
"10.1.0.0/16"
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/default.nix>

services.kubernetes.controllerManager.enable
Whether to enable Kubernetes controller manager.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/controller−manager.nix>

services.kubernetes.controllerManager.allocateNodeCIDRs
Whether to automatically allocate CIDR ranges for cluster nodes.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/controller−manager.nix>

services.kubernetes.controllerManager.bindAddress
Kubernetes controller manager listening address.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/controller−manager.nix>

services.kubernetes.controllerManager.clusterCidr
Kubernetes CIDR Range for Pods in cluster.

Type: string

Default:

```
config.services.kubernetes.clusterCidr
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/controller−manager.nix>

services.kubernetes.controllerManager.extraOpts
Kubernetes controller manager extra command line options.

Type: strings concatenated with " "

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/controller−manager.nix>

services.kubernetes.controllerManager.featureGates
Attribute set of feature gates.

Type: attribute set of boolean

Default:

```
config.services.kubernetes.featureGates
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/controller−manager.nix>

services.kubernetes.controllerManager.kubeconfig.caFile
Kubernetes controller manager certificate authority file used to connect to kube−apiserver.

Type: null or absolute path

Default:

```
config.services.kubernetes.caFile
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/controller−manager.nix>

services.kubernetes.controllerManager.kubeconfig.certFile
Kubernetes controller manager client certificate file used to connect to kube−apiserver.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/controller−manager.nix>

services.kubernetes.controllerManager.kubeconfig.keyFile
Kubernetes controller manager client key file used to connect to kube−apiserver.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/controller−manager.nix>

services.kubernetes.controllerManager.kubeconfig.server
Kubernetes controller manager kube−apiserver server address.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/controller−manager.nix>

services.kubernetes.controllerManager.leaderElect
Whether to start leader election before executing main loop.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/controller−manager.nix>

services.kubernetes.controllerManager.rootCaFile
Kubernetes controller manager certificate authority file included in service account's token secret.

Type: null or absolute path

Default:

```
config.services.kubernetes.caFile
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/controller−manager.nix>

services.kubernetes.controllerManager.securePort
Kubernetes controller manager secure listening port.

Type: signed integer

Default:

```
10252
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/controller−manager.nix>

services.kubernetes.controllerManager.serviceAccountKeyFile
Kubernetes controller manager PEM−encoded private RSA key file used to sign service account tokens

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/controller−manager.nix>

services.kubernetes.controllerManager.tlsCertFile
Kubernetes controller−manager certificate file.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/controller−manager.nix>

services.kubernetes.controllerManager.tlsKeyFile
Kubernetes controller−manager private key file.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/controller−manager.nix>

services.kubernetes.controllerManager.verbosity
Optional glog verbosity level for logging statements. See **https://github.com/kubernetes/community/blob/master/contributors/devel/logging.md**

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/controller−manager.nix>

services.kubernetes.dataDir
Kubernetes root directory for managing kubelet files.

Type: absolute path

Default:

```
"/var/lib/kubernetes"
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/default.nix>

services.kubernetes.easyCerts
Automatically setup x509 certificates and keys for the entire cluster.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/default.nix>

services.kubernetes.featureGates
List set of feature gates.

Type: attribute set of boolean

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/default.nix>

services.kubernetes.flannel.enable
Whether to enable flannel networking.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/flannel.nix>

services.kubernetes.flannel.openFirewallPorts
Whether to open the Flannel UDP ports in the firewall on all interfaces.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/flannel.nix>

services.kubernetes.kubeconfig.caFile
Default kubeconfig certificate authority file used to connect to kube−apiserver.

Type: null or absolute path

Default:

```
config.services.kubernetes.caFile
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/default.nix>

services.kubernetes.kubeconfig.certFile
Default kubeconfig client certificate file used to connect to kube−apiserver.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/default.nix>

services.kubernetes.kubeconfig.keyFile
Default kubeconfig client key file used to connect to kube−apiserver.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/default.nix>

services.kubernetes.kubeconfig.server
Default kubeconfig kube−apiserver server address.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/default.nix>

services.kubernetes.kubelet.enable
Whether to enable Kubernetes kubelet.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/kubelet.nix>

services.kubernetes.kubelet.address
Kubernetes kubelet info server listening address.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/kubelet.nix>

services.kubernetes.kubelet.clientCaFile
Kubernetes apiserver CA file for client authentication.

Type: null or absolute path

Default:

```
config.services.kubernetes.caFile
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/kubelet.nix>

services.kubernetes.kubelet.clusterDns
Use alternative DNS.

Type: list of string

Default:

```
[
  "10.1.0.1"
]
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/kubelet.nix>

services.kubernetes.kubelet.clusterDomain
Use alternative domain.

Type: string

Default:

```
config.services.kubernetes.addons.dns.clusterDomain
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/kubelet.nix>

services.kubernetes.kubelet.cni.packages
List of network plugin packages to install.

Type: list of package

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/kubelet.nix>

services.kubernetes.kubelet.cni.config
Kubernetes CNI configuration.

Type: list of (attribute set)

Default:

```
[ ]
```

Example:

```
[{
  "cniVersion": "0.3.1",
  "name": "mynet",
  "type": "bridge",
  "bridge": "cni0",
  "isGateway": true,
  "ipMasq": true,
  "ipam": {
      "type": "host-local",
      "subnet": "10.22.0.0/16",
      "routes": [
          { "dst": "0.0.0.0/0" }
      ]
  }
```

```
} {
  "cniVersion": "0.3.1",
  "type": "loopback"
}]
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/kubelet.nix>

services.kubernetes.kubelet.cni.configDir
Path to Kubernetes CNI configuration directory.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/kubelet.nix>

services.kubernetes.kubelet.containerRuntimeEndpoint
Endpoint at which to find the container runtime api interface/socket

Type: string

Default:

```
"unix:///run/containerd/containerd.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/kubelet.nix>

services.kubernetes.kubelet.extraConfig
Kubernetes kubelet extra configuration file entries.

See also **Set Kubelet Parameters Via A Configuration File** and **Kubelet Configuration**.

Type: attribute set of (JSON value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/kubelet.nix>

services.kubernetes.kubelet.extraOpts
Kubernetes kubelet extra command line options.

Type: strings concatenated with " "

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/kubelet.nix>

services.kubernetes.kubelet.featureGates
Attribute set of feature gate

Type: attribute set of boolean

Default:

```
config.services.kubernetes.featureGates
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/kubelet.nix>

services.kubernetes.kubelet.healthz.bind
Kubernetes kubelet healthz listening address.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/kubelet.nix>

services.kubernetes.kubelet.healthz.port
Kubernetes kubelet healthz port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
10248
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/kubelet.nix>

services.kubernetes.kubelet.hostname
Kubernetes kubelet hostname override.

Type: string

Default:

```
config.networking.fqdnOrHostName
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/kubelet.nix>

services.kubernetes.kubelet.kubeconfig.caFile
Kubelet certificate authority file used to connect to kube−apiserver.

Type: null or absolute path

Default:

```
config.services.kubernetes.caFile
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/kubelet.nix>

services.kubernetes.kubelet.kubeconfig.certFile
Kubelet client certificate file used to connect to kube−apiserver.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/kubelet.nix>

services.kubernetes.kubelet.kubeconfig.keyFile
Kubelet client key file used to connect to kube−apiserver.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/kubelet.nix>

services.kubernetes.kubelet.kubeconfig.server
Kubelet kube−apiserver server address.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/kubelet.nix>

services.kubernetes.kubelet.manifests
List of manifests to bootstrap with kubelet (only pods can be created as manifest entry)

Type: attribute set of (attribute set)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/kubelet.nix>

services.kubernetes.kubelet.nodeIp
IP address of the node. If set, kubelet will use this IP address for the node.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/kubelet.nix>

services.kubernetes.kubelet.port
Kubernetes kubelet info server listening port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
10250
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/kubelet.nix>

services.kubernetes.kubelet.registerNode
Whether to auto register kubelet with API server.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/kubelet.nix>

services.kubernetes.kubelet.seedDockerImages
List of docker images to preload on system

Type: list of package

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/kubelet.nix>

services.kubernetes.kubelet.taints
Node taints (https://kubernetes.io/docs/concepts/configuration/assign−pod−node/).

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/kubelet.nix>

services.kubernetes.kubelet.taints.<name>.effect
Effect of taint.

Type: one of “NoSchedule”, “PreferNoSchedule”, “NoExecute”

Example:

```
"NoSchedule"
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/kubelet.nix>

services.kubernetes.kubelet.taints.<name>.key
Key of taint.

Type: string

Default: Name of this submodule.

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/kubelet.nix>

services.kubernetes.kubelet.taints.<name>.value
Value of taint.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/kubelet.nix>

services.kubernetes.kubelet.tlsCertFile
File containing x509 Certificate for HTTPS.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/kubelet.nix>

services.kubernetes.kubelet.tlsKeyFile
File containing x509 private key matching tlsCertFile.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/kubelet.nix>

services.kubernetes.kubelet.unschedulable
Whether to set node taint to unschedulable=true as it is the case of node that has only master role.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/kubelet.nix>

services.kubernetes.kubelet.verbosity
Optional glog verbosity level for logging statements. See **https://github.com/kubernetes/community/blob/master/contributors/devel/logging.md**

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/kubelet.nix>

services.kubernetes.lib
Common functions for the kubernetes modules.

Type: attribute set

Default:

```
{
  mkCert = <function, args: {CN, action?, fields?, hosts?, name, pr \
ivateKeyGroup?, privateKeyOwner?}>;
  mkKubeConfig = <function>;
  mkKubeConfigOptions = <function>;
}
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/default.nix>

services.kubernetes.masterAddress
Clusterwide available network address or hostname for the kubernetes master server.

Type: string

Example:

```
"master.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/default.nix>

services.kubernetes.path
Packages added to the services' PATH environment variable. Both the bin and sbin subdirectories of each package are added.

Type: list of package

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/default.nix>

services.kubernetes.pki.enable
Whether to enable easyCert issuer service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/pki.nix>

services.kubernetes.pki.caCertPathPrefix
Path−prefrix for the CA−certificate to be used for cfssl signing. Suffixes ".pem" and "−key.pem" will be automatically appended for the public and private keys respectively.

Type: string

Default:

```
"${config.services.cfssl.dataDir}/ca"
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/pki.nix>

services.kubernetes.pki.caSpec
Certificate specification for the auto−generated CAcert.

Type: attribute set

Default:

```
{
  CN = "kubernetes-cluster-ca";
  L = "auto-generated";
  O = "NixOS";
  OU = "services.kubernetes.pki.caSpec";
}
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/pki.nix>

services.kubernetes.pki.certs
List of certificate specs to feed to cert generator.

Type: attribute set

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/pki.nix>

services.kubernetes.pki.cfsslAPIExtraSANs
Extra x509 Subject Alternative Names to be added to the cfssl API webserver TLS cert.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "subdomain.example.com"
]
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/pki.nix>

services.kubernetes.pki.etcClusterAdminKubeconfig
Symlink a kubeconfig with cluster−admin privileges to environment path (/etc/<path>).

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/pki.nix>

services.kubernetes.pki.genCfsslAPICerts
Whether to automatically generate cfssl API webserver TLS cert and key, if they don’t exist.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/pki.nix>

services.kubernetes.pki.genCfsslAPIToken
Whether to automatically generate cfssl API−token secret, if they doesn’t exist.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/pki.nix>

services.kubernetes.pki.genCfsslCACert
Whether to automatically generate cfssl CA certificate and key, if they don’t exist.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/pki.nix>

services.kubernetes.pki.pkiTrustOnBootstrap
Whether to always trust remote cfssl server upon initial PKI bootstrap.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/pki.nix>

services.kubernetes.proxy.enable
Whether to enable Kubernetes proxy.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/proxy.nix>

services.kubernetes.proxy.bindAddress
Kubernetes proxy listening address.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/proxy.nix>

services.kubernetes.proxy.extraOpts
Kubernetes proxy extra command line options.

Type: strings concatenated with " "

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/proxy.nix>

services.kubernetes.proxy.featureGates
Attribute set of feature gates.

Type: attribute set of boolean

Default:

```
config.services.kubernetes.featureGates
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/proxy.nix>

services.kubernetes.proxy.hostname
Kubernetes proxy hostname override.

Type: string

Default:

```
config.networking.hostName
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/proxy.nix>

services.kubernetes.proxy.kubeconfig.caFile
Kubernetes proxy certificate authority file used to connect to kube−apiserver.

Type: null or absolute path

Default:

```
config.services.kubernetes.caFile
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/proxy.nix>

services.kubernetes.proxy.kubeconfig.certFile
Kubernetes proxy client certificate file used to connect to kube−apiserver.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/proxy.nix>

services.kubernetes.proxy.kubeconfig.keyFile
Kubernetes proxy client key file used to connect to kube−apiserver.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/proxy.nix>

services.kubernetes.proxy.kubeconfig.server
Kubernetes proxy kube−apiserver server address.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/proxy.nix>

services.kubernetes.proxy.verbosity
Optional glog verbosity level for logging statements. See **https://github.com/kubernetes/community/blob/master/contributors/devel/logging.md**

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/proxy.nix>

services.kubernetes.roles
Kubernetes role that this machine should take.

Master role will enable etcd, apiserver, scheduler, controller manager addon manager, flannel and proxy services. Node role will enable flannel, docker, kubelet and proxy services.

Type: list of (one of “master”, “node”)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/default.nix>

services.kubernetes.scheduler.enable
Whether to enable Kubernetes scheduler.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/scheduler.nix>

services.kubernetes.scheduler.address
Kubernetes scheduler listening address.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/scheduler.nix>

services.kubernetes.scheduler.extraOpts
Kubernetes scheduler extra command line options.

Type: strings concatenated with " "

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/scheduler.nix>

services.kubernetes.scheduler.featureGates
Attribute set of feature gates.

Type: attribute set of boolean

Default:

```
config.services.kubernetes.featureGates
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/scheduler.nix>

services.kubernetes.scheduler.kubeconfig.caFile
Kubernetes scheduler certificate authority file used to connect to kube−apiserver.

Type: null or absolute path

Default:

```
config.services.kubernetes.caFile
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/scheduler.nix>

services.kubernetes.scheduler.kubeconfig.certFile
Kubernetes scheduler client certificate file used to connect to kube−apiserver.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/scheduler.nix>

services.kubernetes.scheduler.kubeconfig.keyFile
Kubernetes scheduler client key file used to connect to kube−apiserver.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/scheduler.nix>

services.kubernetes.scheduler.kubeconfig.server
Kubernetes scheduler kube−apiserver server address.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/scheduler.nix>

services.kubernetes.scheduler.leaderElect
Whether to start leader election before executing main loop.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/scheduler.nix>

services.kubernetes.scheduler.port
Kubernetes scheduler listening port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
10251
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/scheduler.nix>

services.kubernetes.scheduler.verbosity
Optional glog verbosity level for logging statements. See **https://github.com/kubernetes/community/blob/master/contributors/devel/logging.md**

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/scheduler.nix>

services.kubernetes.secretsPath
Default location for kubernetes secrets. Not a store location.

Type: absolute path

Default:

```
config.services.kubernetes.dataDir + "/secrets"
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/kubernetes/default.nix>

services.kubo.enable
Whether to enable the Interplanetary File System (WARNING: may cause severe network degradation). NOTE: after enabling this option and rebuilding your system, you need to log out and back in for the 'IPFS_PATH' environment variable to be present in your shell. Until you do that, the CLI tools won't be able to talk to the daemon by default .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/kubo.nix>

services.kubo.enableGC
Whether to enable automatic garbage collection

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/kubo.nix>

services.kubo.package
The kubo package to use.

Type: package

Default:

```
pkgs.kubo
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/kubo.nix>

services.kubo.autoMigrate
Whether Kubo should try to migrate its filesystem repository automatically.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/kubo.nix>

services.kubo.autoMount
Whether Kubo should try to mount /ipfs, /ipns and /mfs at startup.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/kubo.nix>

services.kubo.dataDir
The data dir for Kubo

Type: string

Default:

```
if lib.versionAtLeast config.system.stateVersion "17.09"
then "/var/lib/ipfs"
else "/var/lib/ipfs/.ipfs"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/kubo.nix>

services.kubo.defaultMode
systemd service that is enabled by default

Type: one of “online”, “offline”, “norouting”

Default:

```
"online"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/kubo.nix>

services.kubo.emptyRepo
If set to false, the repo will be initialized with help files

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/kubo.nix>

services.kubo.extraFlags
Extra flags passed to the Kubo daemon

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/kubo.nix>

services.kubo.group

Group under which the Kubo daemon runs

Type: string

Default:

```
"ipfs"
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/kubo.nix>

services.kubo.localDiscovery

Whether to enable local discovery for the Kubo daemon. This will allow Kubo to scan ports on your local network. Some hosting services will ban you if you do this.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/kubo.nix>

services.kubo.serviceFdlimit

The fdlimit for the Kubo systemd unit or 'null' to have the daemon attempt to manage it

Type: null or signed integer

Default:

```
null
```

Example:

```
65536
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/kubo.nix>

services.kubo.settings

Attrset of daemon configuration. See **https://github.com/ipfs/kubo/blob/master/docs/config.md** for reference. You can't set 'Identity' or 'Pinning'.

Type: open submodule of (JSON value)

Default:

```
{ }
```

Example:

```
{
  Bootstrap = [
    "/ip4/128.199.219.111/tcp/4001/ipfs/QmSoLSafTMBsPKadTEgaXctDQVc \
qN88CNLHXMkTNwMKPnu"
    "/ip4/162.243.248.213/tcp/4001/ipfs/QmSoLueR4xBeUbY9WZ9xGUUxunb \
KWcrNFTDAadQJmocnWm"
  ];
  Datastore = {
    StorageMax = "100GB";
  };
  Discovery = {
    MDNS = {
      Enabled = false;
```

```
    };
  };
  Swarm = {
    AddrFilters = null;
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/kubo.nix>

services.kubo.settings.Addresses.API
Multiaddr or array of multiaddrs describing the address to serve the local HTTP API on. In addition to the multiaddrs listed here, the daemon will also listen on a Unix domain socket. To allow the ipfs CLI tools to communicate with the daemon over that socket, add your user to the correct group, e.g. ‘users.users.alice.extraGroups = [config.services.kubo.group];’

Type: string or list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/kubo.nix>

services.kubo.settings.Addresses.Gateway
Where the IPFS Gateway can be reached

Type: string or list of string

Default:

```
"/ip4/127.0.0.1/tcp/8080"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/kubo.nix>

services.kubo.settings.Addresses.Swarm
Where Kubo listens for incoming p2p connections

Type: list of string

Default:

```
[
  "/ip4/0.0.0.0/tcp/4001"
  "/ip6/::/tcp/4001"
  "/ip4/0.0.0.0/udp/4001/quic−v1"
  "/ip4/0.0.0.0/udp/4001/quic−v1/webtransport"
  "/ip4/0.0.0.0/udp/4001/webrtc−direct"
  "/ip6/::/udp/4001/quic−v1"
  "/ip6/::/udp/4001/quic−v1/webtransport"
  "/ip6/::/udp/4001/webrtc−direct"
]
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/kubo.nix>

services.kubo.settings.Mounts.FuseAllowOther
Allow all users to access the FUSE mount points

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/kubo.nix>

services.kubo.settings.Mounts.IPFS
Where to mount the IPFS namespace to

Type: string

Default:

```
"/ipfs"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/kubo.nix>

services.kubo.settings.Mounts.IPNS
Where to mount the IPNS namespace to

Type: string

Default:

```
"/ipns"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/kubo.nix>

services.kubo.settings.Mounts.MFS
Where to mount the MFS namespace to

Type: string

Default:

```
"/mfs"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/kubo.nix>

services.kubo.startWhenNeeded
Whether to use socket activation to start Kubo when needed.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/kubo.nix>

services.kubo.user
User under which the Kubo daemon runs

Type: string

Default:

```
"ipfs"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/kubo.nix>

services.labgrid.coordinator.enable
Whether to enable Labgrid Coordinator.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/development/labgrid/coordinator.nix>

services.labgrid.coordinator.package
The labgrid package to use.

Type: package

Default:

```
pkgs.python3Packages.labgrid
```

Declared by:
<nixpkgs/nixos/modules/services/development/labgrid/coordinator.nix>

services.labgrid.coordinator.bindAddress
Bind address for the labgrid coordinator.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/development/labgrid/coordinator.nix>

services.labgrid.coordinator.debug
Whether to enable debug mode.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/development/labgrid/coordinator.nix>

services.labgrid.coordinator.openFirewall
Whether to automatically open the coordinator listen port in the firewall.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/development/labgrid/coordinator.nix>

services.labgrid.coordinator.port

Coordinator port to bind to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
20408
```

Declared by:

<nixpkgs/nixos/modules/services/development/labgrid/coordinator.nix>

services.lact.enable

Whether to enable LACT, a tool for monitoring, configuring and overclocking GPUs.

Note

If you are on an AMD GPU, it is recommended to enable overdrive mode by using 'hardware.amdgpu.overdrive.enable = true;' in your configuration. See **LACT wiki** for more information.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/lact.nix>

services.lact.package

The lact package to use.

Type: package

Default:

```
pkgs.lact
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/lact.nix>

services.lact.settings

Settings for LACT.

The easiest method of acquiring the settings is to delete */etc/lact/config.yaml*, enter your settings and look at the file.

Note

When 'settings' is populated, the config file will be a symbolic link and thus LACT daemon will not be able to modify it through the GUI.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/lact.nix>

services.lambdabot.enable

Enable the Lambdabot IRC bot

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/lambdabot.nix>

services.lambdabot.package

The lambdabot package to use.

Type: package

Default:

```
pkgs.lambdabot
```

Declared by:

<nixpkgs/nixos/modules/services/networking/lambdabot.nix>

services.lambdabot.script

Lambdabot script

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/networking/lambdabot.nix>

services.languagetool.enable

Whether to enable the LanguageTool server, a multilingual spelling, style, and grammar checker that helps correct or paraphrase texts.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/languagetool.nix>

services.languagetool.package

The languagetool package to use.

Type: package

Default:

```
pkgs.languagetool
```

Declared by:

<nixpkgs/nixos/modules/services/misc/languagetool.nix>

services.languagetool.allowOrigin

Set the Access−Control−Allow−Origin header in the HTTP response, used for direct (non−proxy) JavaScript−based access from browsers. ‘"*"’ to allow access from all sites.

Type: null or string

Default:

```
null
```

Example:

```
"https://my-website.org"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/languagetool.nix>

services.languagetool.jvmOptions

Extra command line options for the JVM running languagetool. More information can be found here: **https://docs.oracle.com/en/java/javase/19/docs/specs/man/java.html#standard−options−for−java**

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-Xmx512m"
]
```

Declared by:

<nixpkgs/nixos/modules/services/misc/languagetool.nix>

services.languagetool.port

Port on which LanguageTool listens.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8081
```

Example:

```
8081
```

Declared by:

<nixpkgs/nixos/modules/services/misc/languagetool.nix>

services.languagetool.public

Whether to enable access from anywhere (rather than just localhost).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/languagetool.nix>

services.languagetool.settings

Configuration file options for LanguageTool, see ‘languagetool−http−server −−help’ for supported settings.

Type: open submodule of attribute set of (string, package, bool, int or float)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/misc/languagetool.nix>

services.languagetool.settings.cacheSize

Number of sentences cached.

Type: unsigned integer, meaning >=0

Default:

```
1000
```

Declared by:

<nixpkgs/nixos/modules/services/misc/languagetool.nix>

services.lanraragi.enable

Whether to enable LANraragi.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/lanraragi.nix>

services.lanraragi.package

The lanraragi package to use.

Type: package

Default:

```
pkgs.lanraragi
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/lanraragi.nix>

services.lanraragi.openFirewall

Open ports in the firewall for LANraragi’s web interface.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/lanraragi.nix>

services.lanraragi.passwordFile

A file containing the password for LANraragi's admin interface.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/lanraragi-password"
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/lanraragi.nix>

services.lanraragi.port

Port for LANraragi's web interface.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/lanraragi.nix>

services.lanraragi.redis.passwordFile

A file containing the password for LANraragi's Redis server.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/redis-lanraragi-password"
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/lanraragi.nix>

services.lanraragi.redis.port

Port for LANraragi's Redis server.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
6379
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/lanraragi.nix>

services.lasuite-docs.enable

Whether to enable SuiteNumérique Docs.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lasuite−docs.nix>

services.lasuite−docs.enableNginx
Whether to enable enable and configure Nginx for reverse proxying.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lasuite−docs.nix>

services.lasuite−docs.backendPackage
The lasuite−docs package to use.

Type: package

Default:

```
pkgs.lasuite−docs
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lasuite−docs.nix>

services.lasuite−docs.bind
The path, host/port or file descriptior to bind the gunicorn socket to.

See **https://docs.gunicorn.org/en/stable/settings.html#bind** for possible options.

Type: string

Default:

```
"unix:/run/lasuite−docs/gunicorn.sock"
```

Example:

```
"127.0.0.1:8000"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lasuite−docs.nix>

services.lasuite−docs.celery.extraArgs
Extra arguments to pass to the celery process.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lasuite−docs.nix>

services.lasuite−docs.collaborationServer.package
The lasuite−docs−collaboration−server package to use.

Type: package

Default:

```
pkgs.lasuite−docs−collaboration−server
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/lasuite-docs.nix>

services.lasuite-docs.collaborationServer.port
Port used by the collaboration server to listen.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
4444
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/lasuite-docs.nix>

services.lasuite-docs.collaborationServer.settings
Configuration options of collaboration server.

See **https://github.com/suitenumerique/docs/blob/v4.8.6/docs/env.md**

Type: open submodule of attribute set of (string or boolean)

Default:

```
{ }
```

Example:

```
{
  COLLABORATION_LOGGING = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/lasuite-docs.nix>

services.lasuite-docs.collaborationServer.settings.COLLABORATION_BACKEND_BASE_URL
URL to the backend server base

Type: string

Default:

```
https://${cfg.domain}
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/lasuite-docs.nix>

services.lasuite-docs.collaborationServer.settings.COLLABORATION_SERVER_ORIGIN
Origins allowed to connect to the collaboration server

Type: string

Default:

```
https://${cfg.domain}
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/lasuite-docs.nix>

services.lasuite-docs.collaborationServer.settings.PORT
Port used by collaboration server to listen to

Type: string *(read only)*

Default:

```
"4444"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lasuite−docs.nix>

services.lasuite−docs.domain
Domain name of the docs instance.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lasuite−docs.nix>

services.lasuite−docs.environmentFile
Path to environment file.

This can be useful to pass secrets to docs via tools like ‘agenix’ or ‘sops’.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lasuite−docs.nix>

services.lasuite−docs.frontendPackage
The lasuite−docs−frontend package to use.

Type: package

Default:

```
pkgs.lasuite-docs-frontend
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lasuite−docs.nix>

services.lasuite−docs.gunicorn.extraArgs
Extra arguments to pass to the gunicorn process.

Type: list of string

Default:

```
[
  "--name=impress"
  "--workers=3"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lasuite−docs.nix>

services.lasuite−docs.postgresql.createLocally
Configure local PostgreSQL database server for docs.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lasuite−docs.nix>

services.lasuite−docs.redis.createLocally
Configure local Redis cache server for docs.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lasuite−docs.nix>

services.lasuite−docs.s3Url
URL of the S3 bucket.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lasuite−docs.nix>

services.lasuite−docs.secretKeyPath
Path to the Django secret key.

The key can be generated using:

```
python3 −c 'import secrets; print(secrets.token_hex())'
```

If not set, the secret key will be automatically generated.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lasuite−docs.nix>

services.lasuite−docs.settings
Configuration options of docs.

See **https://github.com/suitenumerique/docs/blob/v4.8.6/docs/env.md**

'REDIS_URL' and 'CELERY_BROKER_URL' are set if 'services.lasuite−docs.redis.createLocally' is true. 'DB_HOST' is set if 'services.lasuite−docs.postgresql.createLocally' is true.

Type: open submodule of attribute set of (null or string or boolean or absolute path or signed integer)

Default:

```
{ }
```

Example:

```
{
  DJANGO_ALLOWED_HOSTS = "*";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lasuite−docs.nix>

services.lasuite−docs.settings.CELERY_BROKER_URL
URL of the redis backend for celery

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lasuite−docs.nix>

services.lasuite−docs.settings.DATA_DIR
Path to the data directory

Type: absolute path

Default:

```
"/var/lib/lasuite−docs"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lasuite−docs.nix>

services.lasuite−docs.settings.DB_HOST
Host of the database

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lasuite−docs.nix>

services.lasuite−docs.settings.DB_NAME
Name of the database

Type: string

Default:

```
"lasuite−docs"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lasuite−docs.nix>

services.lasuite−docs.settings.DB_USER
User of the database

Type: string

Default:

```
"lasuite−docs"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lasuite−docs.nix>

services.lasuite−docs.settings.DJANGO_ALLOWED_HOSTS
Comma−separated list of hosts that are able to connect to the server

Type: string

Default:

```
if cfg.enableNginx then "localhost,127.0.0.1,${cfg.domain}" else ""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lasuite−docs.nix>

services.lasuite−docs.settings.DJANGO_SECRET_KEY_FILE
The path to the file containing Django’s secret key

Type: absolute path

Default:

```
"/var/lib/lasuite-docs/django_secret_key"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/lasuite-docs.nix>

services.lasuite-docs.settings.REDIS_URL
URL of the redis backend

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/lasuite-docs.nix>

services.lasuite-meet.enable
Whether to enable SuiteNumérique Meet.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/lasuite-meet.nix>

services.lasuite-meet.enableNginx
Whether to enable enable and configure Nginx for reverse proxying.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/lasuite-meet.nix>

services.lasuite-meet.backendPackage
The lasuite-meet package to use.

Type: package

Default:

```
pkgs.lasuite-meet
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/lasuite-meet.nix>

services.lasuite-meet.bind
The path, host/port or file descriptior to bind the gunicorn socket to.

See **https://docs.gunicorn.org/en/stable/settings.html#bind** for possible options.

Type: string

Default:

```
"unix:/run/lasuite-meet/gunicorn.sock"
```

Example:

```
"127.0.0.1:8000"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lasuite−meet.nix>

services.lasuite−meet.celery.extraArgs
Extra arguments to pass to the celery process.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lasuite−meet.nix>

services.lasuite−meet.domain
Domain name of the meet instance.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lasuite−meet.nix>

services.lasuite−meet.environmentFile
Path to environment file.

This can be useful to pass secrets to meet via tools like ‘agenix’ or ‘sops’.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lasuite−meet.nix>

services.lasuite−meet.frontendPackage
The lasuite−meet−frontend package to use.

Type: package

Default:

```
pkgs.lasuite−meet−frontend
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lasuite−meet.nix>

services.lasuite−meet.gunicorn.extraArgs
Extra arguments to pass to the gunicorn process.

Type: list of string

Default:

```
[
  "−−name=meet"
  "−−workers=3"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lasuite−meet.nix>

services.lasuite−meet.livekit.enable

Whether to enable Configure local livekit server.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lasuite−meet.nix>

services.lasuite−meet.livekit.keyFile

LiveKit key file holding one or multiple application secrets. Use ‘livekit−server generate−keys’ to generate a random key name and secret.

The file should have the YAML format ‘<keyname>: <secret>’. Example: ‘lasuite−meet: f6lQGaHtM5HfgZjIcec3cOCRfiDqIine4CpZZnqdT5cE’

Individual key/secret pairs need to be passed to clients to connect to this instance.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lasuite−meet.nix>

services.lasuite−meet.livekit.openFirewall

Whether to enable Open firewall ports for livekit.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lasuite−meet.nix>

services.lasuite−meet.livekit.settings

Settings to pass to the livekit server.

See ‘services.livekit.settings’ for more details.

Type: attribute set

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lasuite−meet.nix>

services.lasuite−meet.postgresql.createLocally

Whether to enable Configure local PostgreSQL database server for meet.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lasuite−meet.nix>

services.lasuite−meet.redis.createLocally
Whether to enable Configure local Redis cache server for meet.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lasuite−meet.nix>

services.lasuite−meet.secretKeyPath
Path to the Django secret key.

The key can be generated using:

```
python3 −c 'import secrets; print(secrets.token_hex())'
```

If not set, the secret key will be automatically generated.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lasuite−meet.nix>

services.lasuite−meet.settings
Configuration options of meet. See https://github.com/suitenumerique/meet/blob/v1.14.0/docs/env.md 'REDIS_URL' and 'CELERY_BROKER_URL' are set if 'services.lasuite−meet.redis.createLocally' is true. 'DB_NAME' 'DB_USER' and 'DB_HOST' are set if 'services.lasuite−meet.postgresql.createLocally' is true.

Type: open submodule of lazy attribute set of (null or string or boolean or absolute path or signed integer)

Default:

```
{ }
```

Example:

```
{
  DJANGO_ALLOWED_HOSTS = "*";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lasuite−meet.nix>

services.lasuite−meet.settings.CELERY_BROKER_URL
URL of the redis backend for celery

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lasuite−meet.nix>

services.lasuite−meet.settings.DB_HOST
Host of the database

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lasuite−meet.nix>

services.lasuite−meet.settings.DB_NAME
Name of the database

Type: string

Default:

```
"lasuite−meet"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lasuite−meet.nix>

services.lasuite−meet.settings.DB_USER
User of the database

Type: string

Default:

```
"lasuite−meet"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lasuite−meet.nix>

services.lasuite−meet.settings.DJANGO_ALLOWED_HOSTS
Comma−separated list of hosts that are able to connect to the server

Type: string

Default:

```
if cfg.enableNginx then "localhost,127.0.0.1,${cfg.domain}" else ""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lasuite−meet.nix>

services.lasuite−meet.settings.DJANGO_DATA_DIR
Path to the data directory

Type: absolute path

Default:

```
"/var/lib/lasuite−meet"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lasuite−meet.nix>

services.lasuite−meet.settings.DJANGO_SECRET_KEY_FILE
The path to the file containing Django’s secret key

Type: absolute path

Default:

```
"/var/lib/lasuite-meet/django_secret_key"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/lasuite-meet.nix>

services.lasuite-meet.settings.LIVEKIT_API_URL
URL to the livekit server

Type: null or string

Default:

```
if cfg.enableNginx && cfg.livekit.enable then
  "http://${cfg.domain}/livekit"
else
  null
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/lasuite-meet.nix>

services.lasuite-meet.settings.REDIS_URL
URL of the redis backend

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/lasuite-meet.nix>

services.lauti.enable
Whether to enable Lauti community event calendar web app.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/lauti.nix>

services.lauti.dataDir
Data directory for Lauti

Type: absolute path

Default:

```
"/var/lib/lauti"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/lauti.nix>

services.lauti.secrets
A list of files containing the various secrets. Should be in the format expected by systemd's 'EnvironmentFile' directory.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lauti.nix>

services.lauti.settings
Settings to configure web service. See **https://codeberg.org/Klasse−Methode/lauti/src/branch/main/DEPLOYMENT.md** for available options.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  LAUTI_ADDR = ":1234";
  LAUTI_ADMIN_EMAIL = "admin@example.org";
  LAUTI_TIMEZONE = "Europe/Berlin";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lauti.nix>

services.lavalink.enable
Whether to enable Lavalink.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/audio/lavalink.nix>

services.lavalink.enableHttp2
Whether to enable HTTP/2 support.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/audio/lavalink.nix>

services.lavalink.package
The lavalink package to use.

Type: package

Default:

```
pkgs.lavalink
```

Declared by:
<nixpkgs/nixos/modules/services/audio/lavalink.nix>

services.lavalink.address

The network address to bind to.

Type: string

Default:

```
"0.0.0.0"
```

Example:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/audio/lavalink.nix>

services.lavalink.environmentFile

Add custom environment variables from a file. See **https://lavalink.dev/configuration/index.html#example−environment−variables** for the full documentation.

Type: null or string

Default:

```
null
```

Example:

```
"/run/secrets/lavalink/passwordEnvFile"
```

Declared by:

<nixpkgs/nixos/modules/services/audio/lavalink.nix>

services.lavalink.extraConfig

Configuration to write to *application.yml*. See **https://lavalink.dev/configuration/#example−applicationyml** for the full documentation.

Individual configuration parameters can be overwritten using environment variables. See **https://lavalink.dev/configuration/#example−environment−variables** for more information.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Example:

```
{
  lavalink.server = {
    sources.twitch = true;
    filters.volume = true;
  };
  logging.file.path = "./logs/";
}
```

Declared by:

<nixpkgs/nixos/modules/services/audio/lavalink.nix>

services.lavalink.group

The group of the service.

Type: string

Default:

```
"lavalink"
```

Example:

```
"medias"
```

Declared by:
<nixpkgs/nixos/modules/services/audio/lavalink.nix>

services.lavalink.home
The home directory for lavalink.

Type: string

Default:

```
"/var/lib/lavalink"
```

Example:

```
"/home/lavalink"
```

Declared by:
<nixpkgs/nixos/modules/services/audio/lavalink.nix>

services.lavalink.jvmArgs
Set custom JVM arguments.

Type: string

Default:

```
"-Xmx4G"
```

Example:

```
"-Djava.io.tmpdir=/var/lib/lavalink/tmp -Xmx6G"
```

Declared by:
<nixpkgs/nixos/modules/services/audio/lavalink.nix>

services.lavalink.openFirewall
Whether to expose the port to the network.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/audio/lavalink.nix>

services.lavalink.password
The password for Lavalink's authentication in plain text.

Type: null or string

Default:

```
null
```

Example:

```
"s3cRe!p4SsW0rD"
```

Declared by:
<nixpkgs/nixos/modules/services/audio/lavalink.nix>

services.lavalink.plugins

A list of plugins for lavalink.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    dependency = "dev.lavalink.youtube:youtube-plugin:1.8.0";
    repository = "https://maven.lavalink.dev/snapshots";
    hash = lib.fakeHash;
    configName = "youtube";
    extraConfig = {
      enabled = true;
      allowSearch = true;
      allowDirectVideoIds = true;
      allowDirectPlaylistIds = true;
    };
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/audio/lavalink.nix>

services.lavalink.plugins.*.configName

The name of the plugin to use as the key for the plugin configuration.

Type: null or string

Default:

```
null
```

Example:

```
"youtube"
```

Declared by:

<nixpkgs/nixos/modules/services/audio/lavalink.nix>

services.lavalink.plugins.*.dependency

The coordinates of the plugin.

Type: string

Example:

```
"dev.lavalink.youtube:youtube-plugin:1.8.0"
```

Declared by:

<nixpkgs/nixos/modules/services/audio/lavalink.nix>

services.lavalink.plugins.*.extraConfig

The configuration for the plugin.

The **services.lavalink.plugins.*.configName** option must be set.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/audio/lavalink.nix>

services.lavalink.plugins.*.hash
The hash of the plugin.

Type: string

Example:

```
"sha256-AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA="
```

Declared by:
<nixpkgs/nixos/modules/services/audio/lavalink.nix>

services.lavalink.plugins.*.repository
The plugin repository. Defaults to the lavalink releases repository.

To use the snapshots repository, use **https://maven.lavalink.dev/snapshots** instead

Type: string

Default:

```
"https://maven.lavalink.dev/releases"
```

Example:

```
"https://maven.example.com/releases"
```

Declared by:
<nixpkgs/nixos/modules/services/audio/lavalink.nix>

services.lavalink.port
The port that Lavalink will use.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
2333
```

Example:

```
4567
```

Declared by:
<nixpkgs/nixos/modules/services/audio/lavalink.nix>

services.lavalink.user
The user of the service.

Type: string

Default:

```
"lavalink"
```

Example:

```
"root"
```

Declared by:
<nixpkgs/nixos/modules/services/audio/lavalink.nix>

services.leaps.enable

Whether to enable leaps, a pair programming service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/leaps.nix>

services.leaps.address

Hostname or IP−address to listen to. By default it will listen on all interfaces.

Type: string

Default:

```
""
```

Example:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/leaps.nix>

services.leaps.path

Subdirectory used for reverse proxy setups

Type: absolute path

Default:

```
"/"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/leaps.nix>

services.leaps.port

A port where leaps listens for incoming http requests

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:

<nixpkgs/nixos/modules/services/misc/leaps.nix>

services.legit.enable

Whether to enable legit git web frontend.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/legit.nix>

services.legit.package
The legit−web package to use.

Type: package

Default:

```
pkgs.legit-web
```

Declared by:
<nixpkgs/nixos/modules/services/networking/legit.nix>

services.legit.group
Group account under which legit runs.

Type: string

Default:

```
"legit"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/legit.nix>

services.legit.settings
The primary legit configuration. See the **sample configuration** for possible values.

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/legit.nix>

services.legit.settings.dirs.static
Directories where static files are located.

Type: absolute path

Default:

```
"${pkgs.legit-web}/lib/legit/static"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/legit.nix>

services.legit.settings.dirs.templates
Directories where template files are located.

Type: absolute path

Default:

```
"${pkgs.legit-web}/lib/legit/templates"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/legit.nix>

services.legit.settings.meta.description
Website description.

Type: string

Default:

```
"git frontend"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/legit.nix>

services.legit.settings.meta.title
Website title.

Type: string

Default:

```
"legit"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/legit.nix>

services.legit.settings.repo.ignore
Repositories to ignore.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/legit.nix>

services.legit.settings.repo.mainBranch
Main branch to look for.

Type: list of string

Default:

```
[
  "main"
  "master"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/legit.nix>

services.legit.settings.repo.readme
Readme files to look for.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/legit.nix>

services.legit.settings.repo.scanPath
Directory where legit will scan for repositories.

Type: absolute path

Default:

```
"/var/lib/legit"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/legit.nix>

services.legit.settings.server.host
Host address.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/legit.nix>

services.legit.settings.server.name
Server name.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/legit.nix>

services.legit.settings.server.port
Legit port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5555
```

Declared by:
<nixpkgs/nixos/modules/services/networking/legit.nix>

services.legit.user
User account under which legit runs.

Type: string

Default:

```
"legit"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/legit.nix>

services.lemmy.enable
Whether to enable lemmy a federated alternative to reddit in rust.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lemmy.nix>

services.lemmy.adminPasswordFile
File which contains the value of ‘setup.admin_password’.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lemmy.nix>

services.lemmy.caddy.enable
Whether to enable exposing lemmy with the caddy reverse proxy.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lemmy.nix>

services.lemmy.database.createLocally
Whether to enable creation of database on the instance.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lemmy.nix>

services.lemmy.database.uri
The connection URI to use. Takes priority over the configuration file if set.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lemmy.nix>

services.lemmy.database.uriFile
File which contains the database uri.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lemmy.nix>

services.lemmy.nginx.enable

Whether to enable exposing lemmy with the nginx reverse proxy.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/lemmy.nix>

services.lemmy.pictrsApiKeyFile

File which contains the value of ‘pictrs.api_key’.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/lemmy.nix>

services.lemmy.server.package

The lemmy−server package to use.

Type: package

Default:

```
pkgs.lemmy-server
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/lemmy.nix>

services.lemmy.settings

Lemmy configuration

Type: open submodule of (JSON value)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/lemmy.nix>

services.lemmy.settings.captcha.enabled

Enable Captcha.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/lemmy.nix>

services.lemmy.settings.captcha.difficulty

The difficultly of the captcha to solve.

Type: one of “easy”, “medium”, “hard”

Default:

```
"medium"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/lemmy.nix>

services.lemmy.settings.hostname

The domain name of your instance (eg ‘lemmy.ml’).

Type: string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/lemmy.nix>

services.lemmy.settings.port

Port where lemmy should listen for incoming requests.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8536
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/lemmy.nix>

services.lemmy.smtpPasswordFile

File which contains the value of ‘email.smtp_password’.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/lemmy.nix>

services.lemmy.ui.package

The lemmy−ui package to use.

Type: package

Default:

```
pkgs.lemmy−ui
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/lemmy.nix>

services.lemmy.ui.port

Port where lemmy−ui should listen for incoming requests.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
1234
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lemmy.nix>

services.libeufin.bank.enable
Whether to enable libeufin core banking system and web interface.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/finance/libeufin/bank.nix>

services.libeufin.bank.package
The libeufin package to use.

Type: package

Default:

```
pkgs.libeufin
```

Declared by:
<nixpkgs/nixos/modules/services/finance/libeufin/bank.nix>

services.libeufin.bank.createLocalDatabase
Whether to enable automatic creation of a local postgres database.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/finance/libeufin/bank.nix>

services.libeufin.bank.debug
Whether to enable debug logging.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/finance/libeufin/bank.nix>

services.libeufin.bank.initialAccounts
Accounts to enable before the bank service starts.

This is mainly needed for the nexus currency conversion since the exchange’s bank account is expected to be already registered.

Don’t forget to change the account passwords afterwards.

Type: list of (attribute set)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/finance/libeufin/bank.nix>

services.libeufin.bank.openFirewall
Whether to open ports in the firewall

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/finance/libeufin/bank.nix>

services.libeufin.bank.settings
Configuration options for the libeufin bank system config file.

For a list of all possible options, please see the man page 'libeufin−bank.conf(5)'

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Declared by:
<nixpkgs/nixos/modules/services/finance/libeufin/bank.nix>

services.libeufin.bank.settings.libeufin−bank.CURRENCY
The currency under which the libeufin−bank should operate.

This defaults to the GNU taler module's currency for convenience but if you run libeufin−bank separately from taler, you must set this yourself.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/finance/libeufin/bank.nix>

services.libeufin.bank.settings.libeufin−bank.PORT
The port on which libeufin−bank should listen.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8082
```

Declared by:
<nixpkgs/nixos/modules/services/finance/libeufin/bank.nix>

services.libeufin.bank.settings.libeufin−bank.SUGGESTED_WITHDRAWAL_EXCHANGE
Exchange that is suggested to wallets when withdrawing.

Note that, in order for withdrawals to work, your libeufin−bank must be able to communicate with and send money etc. to the bank at which the exchange used for withdrawals has its bank account.

If you also have your own bank and taler exchange network, you probably want to set one of your exchange's url here instead of the demo exchange.

This setting must always be set in order for the Android app to not crash during the withdrawal process but the exchange to be used can always be changed in the app.

Type: string

Default:

```
"https://exchange.demo.taler.net/"
```

Declared by:

<nixpkgs/nixos/modules/services/finance/libeufin/bank.nix>

services.libeufin.bank.settings.libeufin−bankdb−postgres.CONFIG

The database connection string for the libeufin−bank database.

Type: string

Declared by:

<nixpkgs/nixos/modules/services/finance/libeufin/bank.nix>

services.libeufin.nexus.enable

Whether to enable libeufin core banking system and web interface.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/finance/libeufin/nexus.nix>

services.libeufin.nexus.package

The libeufin package to use.

Type: package

Default:

```
pkgs.libeufin
```

Declared by:

<nixpkgs/nixos/modules/services/finance/libeufin/nexus.nix>

services.libeufin.nexus.createLocalDatabase

Whether to enable automatic creation of a local postgres database.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/finance/libeufin/nexus.nix>

services.libeufin.nexus.debug

Whether to enable debug logging.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/finance/libeufin/nexus.nix>

services.libeufin.nexus.openFirewall
Whether to open ports in the firewall

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/finance/libeufin/nexus.nix>

services.libeufin.nexus.settings
Configuration options for the libeufin nexus config file.

For a list of all possible options, please see the man page ‘libeufin−nexus.conf(5)’

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Declared by:
<nixpkgs/nixos/modules/services/finance/libeufin/nexus.nix>

services.libeufin.nexus.settings.libeufin−nexusdb−postgres.CONFIG
The database connection string for the libeufin−nexus database.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/finance/libeufin/nexus.nix>

services.libeufin.nexus.settings.nexus−ebics.BANK_DIALECT
Name of the following combination: EBICS version and ISO20022 recommendations that Nexus would honor in the communication with the bank.

Currently only the “postfinance” or “gls” value is supported.

Type: one of “postfinance”, “gls”

Example:

```
"postfinance"
```

Declared by:
<nixpkgs/nixos/modules/services/finance/libeufin/nexus.nix>

services.libeufin.nexus.settings.nexus−ebics.BANK_PUBLIC_KEYS_FILE
Filesystem location where Nexus should store the bank public keys.

Type: absolute path

Default:

```
"/var/lib/libeufin−nexus/bank−ebics−keys.json"
```

Declared by:
<nixpkgs/nixos/modules/services/finance/libeufin/nexus.nix>

services.libeufin.nexus.settings.nexus−ebics.BIC
BIC of the bank account that is associated with the EBICS subscriber.

Type: non−empty string

Example:

```
"POFICHBEXXX"
```

Declared by:
<nixpkgs/nixos/modules/services/finance/libeufin/nexus.nix>

services.libeufin.nexus.settings.nexus-ebics.CLIENT_PRIVATE_KEYS_FILE
Filesystem location where Nexus should store the subscriber private keys.

Type: absolute path

Default:

```
"/var/lib/libeufin-nexus/client-ebics-keys.json"
```

Declared by:
<nixpkgs/nixos/modules/services/finance/libeufin/nexus.nix>

services.libeufin.nexus.settings.nexus-ebics.CURRENCY
Name of the fiat currency.

Type: non-empty string

Example:

```
"CHF"
```

Declared by:
<nixpkgs/nixos/modules/services/finance/libeufin/nexus.nix>

services.libeufin.nexus.settings.nexus-ebics.HOST_BASE_URL
URL of the EBICS server.

Type: non-empty string

Example:

```
"https://ebics.postfinance.ch/ebics/ebics.aspx"
```

Declared by:
<nixpkgs/nixos/modules/services/finance/libeufin/nexus.nix>

services.libeufin.nexus.settings.nexus-ebics.HOST_ID
Name of the EBICS host.

Type: non-empty string

Example:

```
"PFEBICS"
```

Declared by:
<nixpkgs/nixos/modules/services/finance/libeufin/nexus.nix>

services.libeufin.nexus.settings.nexus-ebics.IBAN
IBAN of the bank account that is associated with the EBICS subscriber.

Type: non-empty string

Example:

```
"CH7789144474425692816"
```

Declared by:
<nixpkgs/nixos/modules/services/finance/libeufin/nexus.nix>

services.libeufin.nexus.settings.nexus-ebics.NAME
Legal entity that is associated with the EBICS subscriber.

Type: non-empty string

Example:

```
"John Smith S.A."
```

Declared by:
<nixpkgs/nixos/modules/services/finance/libeufin/nexus.nix>

services.libeufin.nexus.settings.nexus−ebics.PARTNER_ID
Partner ID of the EBICS subscriber.

This value must be assigned by the bank after having activated a new EBICS subscriber.

Type: non−empty string

Example:

```
"PFC00563"
```

Declared by:
<nixpkgs/nixos/modules/services/finance/libeufin/nexus.nix>

services.libeufin.nexus.settings.nexus−ebics.USER_ID
User ID of the EBICS subscriber.

This value must be assigned by the bank after having activated a new EBICS subscriber.

Type: non−empty string

Example:

```
"PFC00563"
```

Declared by:
<nixpkgs/nixos/modules/services/finance/libeufin/nexus.nix>

services.libeufin.nexus.settings.nexus−httpd.PORT
The port on which libeufin−bank should listen.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8084
```

Declared by:
<nixpkgs/nixos/modules/services/finance/libeufin/nexus.nix>

services.libeufin.settings
Global configuration options for the libeufin bank system config file.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/finance/libeufin/module.nix>

services.libinput.enable
Whether to enable libinput.

Type: boolean

Default:

```
config.services.xserver.enable
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.mouse.accelPointsFallback
Sets the points of the fallback acceleration function. The value must be a list of floating point non−negative numbers. This only applies to the custom profile.

Type: null or (list of (signed integer or floating point number))

Default:

```
null
```

Example:

```
[
  0.0
  1.0
  2.4
  2.5
]
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.mouse.accelPointsMotion
Sets the points of the (pointer) motion acceleration function. The value must be a list of floating point non−negative numbers. This only applies to the custom profile.

Type: null or (list of (signed integer or floating point number))

Default:

```
null
```

Example:

```
[
  0.0
  1.0
  2.4
  2.5
]
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.mouse.accelPointsScroll
Sets the points of the scroll acceleration function. The value must be a list of floating point non−negative numbers. This only applies to the custom profile.

Type: null or (list of (signed integer or floating point number))

Default:

```
null
```

Example:

```
[
  0.0
  1.0
  2.4
  2.5
]
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.mouse.accelProfile
Sets the pointer acceleration profile to the given profile. Permitted values are ‘adaptive’, ‘flat’, ‘custom’. Not all devices support this option or all profiles. If a profile is unsupported, the default profile for this is used. ‘flat’: Pointer motion is accelerated by a constant (device−specific) factor, depending on the current speed. ‘adaptive’: Pointer acceleration depends on the input speed. This is the default profile for most devices. ‘custom’: Allows the user to define a custom acceleration function. To define custom functions use the accelPoints<Fallback/Motion/Scroll> and accelStep<Fallback/Motion/Scroll> options.

Type: one of “flat”, “adaptive”, “custom”

Default:

```
"adaptive"
```

Example:

```
"flat"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.mouse.accelSpeed
Cursor acceleration (how fast speed increases from minSpeed to maxSpeed). This only applies to the flat or adaptive profile.

Type: null or string

Default:

```
null
```

Example:

```
"−0.5"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.mouse.accelStepFallback
Sets the step between the points of the fallback acceleration function. When a step of 0.0 is provided, libinput’s Fallback acceleration function is used. This only applies to the custom profile.

Type: null or signed integer or floating point number

Default:

```
null
```

Example:

```
0.1
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.mouse.accelStepMotion
Sets the step between the points of the (pointer) motion acceleration function. When a step of 0.0 is provided, libinput’s Fallback acceleration function is used. This only applies to the custom profile.

Type: null or signed integer or floating point number

Default:

```
null
```

Example:

```
0.1
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.mouse.accelStepScroll
Sets the step between the points of the scroll acceleration function. When a step of 0.0 is provided, libinput's Fallback acceleration function is used. This only applies to the custom profile.

Type: null or signed integer or floating point number

Default:

```
null
```

Example:

```
0.1
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.mouse.additionalOptions
Additional options for libinput mouse driver. See **libinput**(4) for available options.";

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
  Option "DragLockButtons" "L1 B1 L2 B2"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.mouse.buttonMapping
Sets the logical button mapping for this device, see **XSetPointerMapping**(3). The string must be a space−separated list of button mappings in the order of the logical buttons on the device, starting with button 1. The default mapping is "1 2 3 … 32". A mapping of 0 deac- tivates the button. Multiple buttons can have the same mapping. Invalid mapping strings are discarded and the default mapping is used for all buttons. Buttons not specified in the user's mapping use the default mapping. See section BUTTON MAPPING for more details.

Type: null or string

Default:

```
null
```

Example:

```
"1 6 3 4 5 0 7"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.mouse.calibrationMatrix
A string of 9 space−separated floating point numbers. Sets the calibration matrix to the 3x3 matrix where the first row is (abc), the second row is (def) and the third row is (ghi).

Type: null or string

Default:

```
null
```

Example:

```
"0.5 0 0 0 0.8 0.1 0 0 1"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.mouse.clickMethod
Enables a click method. Permitted values are ‘none’, ‘buttonareas’, ‘clickfinger’. Not all devices support all methods, if an option is unsupported, the default click method for this device is used.

Type: null or one of “none”, “buttonareas”, “clickfinger”

Default:

```
null
```

Example:

```
"buttonareas"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.mouse.dev
Path for mouse device. Set to ‘null’ to apply to any auto−detected mouse.

Type: null or string

Default:

```
null
```

Example:

```
"/dev/input/event0"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.mouse.disableWhileTyping
Disable input method while typing.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.mouse.horizontalScrolling
Enables or disables horizontal scrolling. When disabled, this driver will discard any horizontal scroll events from libinput. This does not disable horizontal scroll events from libinput; it merely discards the horizontal axis from any scroll events.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.mouse.leftHanded

Enables left−handed button orientation, i.e. swapping left and right buttons.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.mouse.middleEmulation

Enables middle button emulation. When enabled, pressing the left and right buttons simultaneously produces a middle mouse button click.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.mouse.naturalScrolling

Enables or disables natural scrolling behavior.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.mouse.scrollButton

Designates a button as scroll button. If the ScrollMethod is button and the button is logically held down, x/y axis movement is converted into scroll events.

Type: null or signed integer

Default:

```
null
```

Example:

```
1
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.mouse.scrollMethod

Specify the scrolling method: ‘twofinger’, ‘edge’, ‘button’, or ‘none’

Type: one of “twofinger”, “edge”, “button”, “none”

Default:

```
"twofinger"
```

Example:

```
"edge"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.mouse.sendEventsMode
Sets the send events mode to ‘disabled’, ‘enabled’, or ‘disabled−on−external−mouse’

Type: one of “disabled”, “enabled”, “disabled−on−external−mouse”

Default:

```
"enabled"
```

Example:

```
"disabled"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.mouse.tapping
Enables or disables tap−to−click behavior.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.mouse.tappingButtonMap
Set the button mapping for 1/2/3−finger taps to left/right/middle or left/middle/right, respectively.

Type: null or one of “lrm”, “lmr”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.mouse.tappingDragLock
Enables or disables drag lock during tapping behavior. When enabled, a finger up during tap− and−drag will not immediately release the button. If the finger is set down again within the timeout, the dragging process continues.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.mouse.transformationMatrix
A string of 9 space−separated floating point numbers. Sets the transformation matrix to the 3x3 matrix where the first row is (abc), the second row is (def) and the third row is (ghi).

Type: null or string

Default:

```
null
```

Example:

```
"0.5 0 0 0 0.8 0.1 0 0 1"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.touchpad.accelPointsFallback
Sets the points of the fallback acceleration function. The value must be a list of floating point non−negative numbers. This only applies to the custom profile.

Type: null or (list of (signed integer or floating point number))

Default:

```
null
```

Example:

```
[
  0.0
  1.0
  2.4
  2.5
]
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.touchpad.accelPointsMotion
Sets the points of the (pointer) motion acceleration function. The value must be a list of floating point non−negative numbers. This only applies to the custom profile.

Type: null or (list of (signed integer or floating point number))

Default:

```
null
```

Example:

```
[
  0.0
  1.0
  2.4
  2.5
]
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.touchpad.accelPointsScroll
Sets the points of the scroll acceleration function. The value must be a list of floating point non−negative numbers. This only applies to the custom profile.

Type: null or (list of (signed integer or floating point number))

Default:

```
null
```

Example:

```
[
  0.0
  1.0
  2.4
  2.5
]
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.touchpad.accelProfile
Sets the pointer acceleration profile to the given profile. Permitted values are ‘adaptive’, ‘flat’, ‘custom’. Not all devices support this option or all profiles. If a profile is unsupported, the default profile for this is used. ‘flat’: Pointer motion is accelerated by a constant (device−specific) factor, depending on the current speed. ‘adaptive’: Pointer acceleration depends on the input speed. This is the default profile for most devices. ‘custom’: Allows the user to define a custom acceleration function. To define custom functions use the accelPoints<Fallback/Motion/Scroll> and accelStep<Fallback/Motion/Scroll> options.

Type: one of “flat”, “adaptive”, “custom”

Default:

```
"adaptive"
```

Example:

```
"flat"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.touchpad.accelSpeed
Cursor acceleration (how fast speed increases from minSpeed to maxSpeed). This only applies to the flat or adaptive profile.

Type: null or string

Default:

```
null
```

Example:

```
"−0.5"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.touchpad.accelStepFallback
Sets the step between the points of the fallback acceleration function. When a step of 0.0 is provided, libinput’s Fallback acceleration function is used. This only applies to the custom profile.

Type: null or signed integer or floating point number

Default:

```
null
```

Example:

```
0.1
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.touchpad.accelStepMotion
Sets the step between the points of the (pointer) motion acceleration function. When a step of 0.0 is provided, libinput’s Fallback acceleration function is used. This only applies to the custom profile.

Type: null or signed integer or floating point number

Default:

```
null
```

Example:

```
0.1
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.touchpad.accelStepScroll

Sets the step between the points of the scroll acceleration function. When a step of 0.0 is provided, libinput's Fallback acceleration function is used. This only applies to the custom profile.

Type: null or signed integer or floating point number

Default:

```
null
```

Example:

```
0.1
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.touchpad.additionalOptions

Additional options for libinput touchpad driver. See **libinput**(4) for available options.";

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
  Option "DragLockButtons" "L1 B1 L2 B2"
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.touchpad.buttonMapping

Sets the logical button mapping for this device, see **XSetPointerMapping**(3). The string must be a space−separated list of button mappings in the order of the logical buttons on the device, starting with button 1. The default mapping is "1 2 3 … 32". A mapping of 0 deac- tivates the button. Multiple buttons can have the same mapping. Invalid mapping strings are discarded and the default mapping is used for all buttons. Buttons not specified in the user's mapping use the default mapping. See section BUTTON MAPPING for more details.

Type: null or string

Default:

```
null
```

Example:

```
"1 6 3 4 5 0 7"
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.touchpad.calibrationMatrix

A string of 9 space−separated floating point numbers. Sets the calibration matrix to the 3x3 matrix where the first row is (abc), the second row is (def) and the third row is (ghi).

Type: null or string

Default:

```
null
```

Example:

```
"0.5 0 0 0 0.8 0.1 0 0 1"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.touchpad.clickMethod
Enables a click method. Permitted values are ‘none’, ‘buttonareas’, ‘clickfinger’. Not all devices support all methods, if an option is unsupported, the default click method for this device is used.

Type: null or one of “none”, “buttonareas”, “clickfinger”

Default:

```
null
```

Example:

```
"buttonareas"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.touchpad.dev
Path for touchpad device. Set to ‘null’ to apply to any auto−detected touchpad.

Type: null or string

Default:

```
null
```

Example:

```
"/dev/input/event0"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.touchpad.disableWhileTyping
Disable input method while typing.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.touchpad.horizontalScrolling
Enables or disables horizontal scrolling. When disabled, this driver will discard any horizontal scroll events from libinput. This does not disable horizontal scroll events from libinput; it merely discards the horizontal axis from any scroll events.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.touchpad.leftHanded

Enables left−handed button orientation, i.e. swapping left and right buttons.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.touchpad.middleEmulation

Enables middle button emulation. When enabled, pressing the left and right buttons simultaneously produces a middle mouse button click.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.touchpad.naturalScrolling

Enables or disables natural scrolling behavior.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.touchpad.scrollButton

Designates a button as scroll button. If the ScrollMethod is button and the button is logically held down, x/y axis movement is converted into scroll events.

Type: null or signed integer

Default:

```
null
```

Example:

```
1
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.touchpad.scrollMethod

Specify the scrolling method: ‘twofinger’, ‘edge’, ‘button’, or ‘none’

Type: one of “twofinger”, “edge”, “button”, “none”

Default:

```
"twofinger"
```

Example:

```
"edge"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.touchpad.sendEventsMode
Sets the send events mode to ‘disabled’, ‘enabled’, or ‘disabled−on−external−mouse’

Type: one of “disabled”, “enabled”, “disabled−on−external−mouse”

Default:

```
"enabled"
```

Example:

```
"disabled"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.touchpad.tapping
Enables or disables tap−to−click behavior.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.touchpad.tappingButtonMap
Set the button mapping for 1/2/3−finger taps to left/right/middle or left/middle/right, respectively.

Type: null or one of “lrm”, “lmr”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.touchpad.tappingDragLock
Enables or disables drag lock during tapping behavior. When enabled, a finger up during tap− and−drag will not immediately release the button. If the finger is set down again within the timeout, the dragging process continues.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.libinput.touchpad.transformationMatrix
A string of 9 space−separated floating point numbers. Sets the transformation matrix to the 3x3 matrix where the first row is (abc), the second row is (def) and the third row is (ghi).

Type: null or string

Default:

```
null
```

Example:

```
"0.5 0 0 0 0.8 0.1 0 0 1"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/libinput.nix>

services.librechat.enable
Whether to enable the LibreChat server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/librechat.nix>

services.librechat.enableLocalDB
Whether to enable a local mongodb instance.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/librechat.nix>

services.librechat.package
The librechat package to use.

Type: package

Default:

```
pkgs.librechat
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/librechat.nix>

services.librechat.credentials
Environment variables which are loaded from the contents of files at a file paths, mainly used for secrets. See **LibreChat environment variables**. Alternatively you can use ‘services.librechat.credentialsFile’ to define all the variables in a single file.

Type: attribute set of absolute path

Default:

```
{ }
```

Example:

```
{
  CREDS_KEY = "/run/secrets/creds_key";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/librechat.nix>

services.librechat.credentialsFile

Path to a file that contains environment variables. See **LibreChat environment variables**.

Example content of the file:

```
CREDS_KEY=6d6deb03cdfb27ea454f6b9ddd42494bdce4af25d50d8aee454ddce58 \
3690cc5
```

Alternatively you can use ‘services.librechat.credentials’ to define the value of each variable in a separate file.

Type: null or absolute path

Default:

```
"/dev/null"
```

Example:

```
"/run/secrets/librechat"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/librechat.nix>

services.librechat.dataDir

Absolute path for where the LibreChat server will use as its data directory to store logs, user uploads, and generated images.

Type: absolute path

Default:

```
"/var/lib/librechat"
```

Example:

```
"/persist/librechat"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/librechat.nix>

services.librechat.env

Environment variables that will be set for the service. See **LibreChat environment variables**.

Type: open submodule of attribute set of (string or absolute path or (string or signed integer convertible to it) or (string or floating point number convertible to it) or (string or 16 bit unsigned integer; between 0 and 65535 (both inclusive) convertible to it) or (string or boolean convertible to it))

Example:

```
{
  ALLOW_REGISTRATION = true;
  CONSOLE_JSON_STRING_LENGTH = 255;
  HOST = "0.0.0.0";
  PORT = 2309;
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/librechat.nix>

services.librechat.env.LIBRECHAT_LOG_DIR

Logs will be saved into this directory. By default it is relative to ‘services.librechat.dataDir’.

Type: string

Default:

```
/var/lib/librechat/logs
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/librechat.nix>

services.librechat.env.PORT
The value that will be passed to the PORT environment variable, telling LibreChat what to listen on.

Type: string or 16 bit unsigned integer; between 0 and 65535 (both inclusive) convertible to it

Default:

```
3080
```

Example:

```
2309
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/librechat.nix>

services.librechat.group
The group to run the service as.

Type: string

Default:

```
"librechat"
```

Example:

```
"users"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/librechat.nix>

services.librechat.meilisearch
See **LibreChat search feature**.

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/librechat.nix>

services.librechat.meilisearch.enable
Whether to enable and configure Meilisearch locally for Librechat. You will manually need to set ‘services.meilisearch.masterKeyFile’.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/librechat.nix>

services.librechat.openFirewall

Whether to open the port in the firewall.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/librechat.nix>

services.librechat.settings

A free−form attribute set that will be written to librechat.yaml. See the **LibreChat configuration options**. You can use environment variables by wrapping them in ${}. Take care to escape the $ character.

Type: open submodule of (YAML 1.1 value)

Default:

```
{
  version = "1.2.1";
}
```

Example:

```
{
  cache = true;
  endpoints = {
    custom = [
      {
        apiKey = "\${OPENROUTER_KEY}";
        baseURL = "https://openrouter.ai/api/v1";
        dropParams = [
          "stop"
        ];
        modelDisplayLabel = "OpenRouter";
        models = {
          default = [
            "meta−llama/llama−3−70b−instruct"
          ];
          fetch = true;
        };
        name = "OpenRouter";
        titleConvo = true;
        titleModule = "meta−llama/llama−3−70b−instruct";
      }
    ];
  };
  interface = {
    privacyPolicy = {
      externalUrl = "https://librechat.ai/privacy−policy";
      openNewTab = true;
    };
  };
  version = "1.2.1";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/librechat.nix>

services.librechat.user
The user to run the service as.

Type: string

Default:

```
"librechat"
```

Example:

```
"alice"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/librechat.nix>

services.librenms.enable
Whether to enable LibreNMS network monitoring system.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.enableLocalBilling
Enable billing Cron−Jobs on the local instance. Enabled by default, but you may disable it on some nodes within a distributed poller setup. See **the docs** for more informations about billing with distributed pollers.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.enableOneMinutePolling
Enables the **1−Minute Polling**. Changing this option will automatically convert your existing rrd files.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.package
The librenms package to use.

Type: package

Default:

```
pkgs.librenms
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.dataDir
Path of the LibreNMS state directory.

Type: absolute path

Default:

```
"/var/lib/librenms"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.database.createLocally
Whether to create a local database automatically.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.database.database
Name of the database on the MySQL/MariaDB server.

Type: string

Default:

```
"librenms"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.database.host
Hostname or IP of the MySQL/MariaDB server. Ignored if ‘socket’ is defined.

Type: unspecified value

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.database.passwordFile
A file containing the password for the user of the MySQL/MariaDB server. Must be readable for the LibreNMS user. Ignored if ‘socket’ is defined, mandatory otherwise.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/mysql.pass"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.database.port

Port of the MySQL/MariaDB server. Ignored if 'socket' is defined.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3306
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.database.socket

A unix socket to mysql, accessible by the librenms user. Useful when mysql is on the localhost.

Type: null or string

Default:

```
null
```

Example:

```
"/run/mysqld/mysqld.sock"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.database.username

Name of the user on the MySQL/MariaDB server. Ignored if 'socket' is defined.

Type: string

Default:

```
"librenms"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.distributedPoller.enable

Configure this LibreNMS instance as a **distributed poller**. This will disable all web features and just configure the poller features. Use the 'mysql' database of your main LibreNMS instance in the database settings.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.distributedPoller.distributedBilling

Enable distributed billing on this poller.

Note: according to **the docs**, billing should only be calculated on a single node per poller group. You can disable billing on some nodes with the 'services.librenms.enableLocalBilling' option.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.distributedPoller.group
Group(s) of this poller.

Type: string

Default:

```
"0"
```

Example:

```
"1,2"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.distributedPoller.memcachedHost
Hostname or IP of the ‘memcached’ server.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.distributedPoller.memcachedPort
Port of the ‘memcached’ server.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
11211
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.distributedPoller.name
Custom name of this poller.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.distributedPoller.rrdcachedHost
Hostname or IP of the ‘rrdcached’ server.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.distributedPoller.rrdcachedPort
Port of the ‘memcached’ server.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
42217
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.environmentFile
File containing env−vars to be substituted into the final config. Useful for secrets. Does not apply to settings defined in 'extraConfig'.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.extraConfig
Additional config for LibreNMS that will be appended to the 'config.php'. See **https://github.com/librenms/librenms/blob/master/misc/config_definitions.json** for possible options. Useful if you want to use PHP−Functions in your config.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.finalPackage
The final package used by the module. This is the package that has all overrides.

Type: package *(read only)*

Default:

```
package
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.group
Name of the LibreNMS group.

Type: string

Default:

```
"librenms"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.hostname
The hostname to serve LibreNMS on.

Type: string

Default:

```
config.networking.fqdnOrHostName
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.logDir

Path of the LibreNMS logging directory.

Type: absolute path

Default:

```
"/var/log/librenms"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx

With this option, you can customize the nginx virtualHost settings.

Type: submodule

Default:

```
{ }
```

Example:

```
{
  serverAliases = [
    "librenms.${config.networking.domain}"
  ];
  # To enable encryption and let let's encrypt take care of certifi \
cate
  forceSSL = true;
  enableACME = true;
  # To set the LibreNMS virtualHost as the default virtualHost;
  default = true;
}
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.enableACME

Whether to ask Let's Encrypt to sign a certificate for this vhost. Alternately, you can use an existing certificate through **useACMEHost**.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.acmeFallbackHost

Host which to proxy requests to if ACME challenge is not found. Useful if you want multiple hosts to be able to verify the same domain name.

With this option, you could request certificates for the present domain with an ACME client that is running on another host, which you would specify here.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.acmeRoot
Directory for the ACME challenge, which is **public**. Don’t put certs or keys in here. Set to null to inherit from config.security.acme.

Type: null or string

Default:

```
"/var/lib/acme/acme-challenge"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.addSSL
Whether to enable HTTPS in addition to plain HTTP. This will set defaults for ‘listen’ to listen on all interfaces on the respective default ports (80, 443).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.basicAuth
Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.basicAuthFile
Basic Auth password file for a vhost. Can be created by running **nix-shell --packages apacheHttpd --run 'htpasswd -B -c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.default
Makes this vhost the default.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.extraConfig
These lines go to the end of the vhost verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.forceSSL
Whether to add a separate nginx server block that redirects (defaults to 301, configurable with ‘redirectCode’) all plain HTTP traffic to HTTPS. This will set defaults for ‘listen’ to listen on all interfaces on the respective default ports (80, 443), where the non−SSL listens are used for the redirect vhosts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.globalRedirect
If set, all requests for this host are redirected (defaults to 301, configurable with ‘redirectCode’) to the given hostname.

Type: null or string

Default:

```
null
```

Example:

```
"newserver.example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.http2
Whether to enable the HTTP/2 protocol. Note that (as of writing) due to nginx’s implementation, to disable HTTP/2 you have to disable it on all vhosts that use a given IP address / port. If there is one server block configured to enable http2, then it is enabled for all server blocks on this IP. See **https://stackoverflow.com/a/39466948/263061**.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.http3
Whether to enable the HTTP/3 protocol. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that HTTP/3 support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/** HTTP/3 availability must be manually advertised, preferably in each location block.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.http3_hq
Whether to enable the HTTP/0.9 protocol negotiation used in QUIC interoperability tests. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that special application protocol support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.kTLS
Whether to enable kTLS support. Implementing TLS in the kernel (kTLS) improves performance by significantly reducing the need for copying operations between user space and the kernel. Required Nginx version 1.21.4 or later.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.listen
Listen addresses and ports for this virtual host. IPv6 addresses must be enclosed in square brackets. Note: this option overrides 'addSSL' and 'onlySSL'.

If you only want to set the addresses manually and not the ports, take a look at 'listenAddresses'.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    addr = "195.154.1.1";
    port = 443;
    ssl = true;
```

```
  }
  {
    addr = "192.154.1.1";
    port = 80;
  }
  {
    addr = "unix:/var/run/nginx.sock";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.listen.*.addr
Listen address.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.listen.*.extraParameters
Extra parameters of this listen directive.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "backlog=1024"
  "deferred"
]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.listen.*.port
Port number to listen on. If unset and the listen address is not a socket then nginx defaults to 80.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.listen.*.proxyProtocol
Enable PROXY protocol.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.listen.*.ssl

Enable SSL.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.listenAddresses

Listen addresses for this virtual host. Compared to ‘listen’ this only sets the addresses and the ports are chosen automatically.

Note: This option overrides ‘networking.enableIPv6’

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "127.0.0.1"
  "[::1]"
]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.locations

Declarative location config

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "/" = {
    proxyPass = "http://localhost:3000";
  };
};
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.locations.<name>.alias

Alias directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/alias/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.locations.<name>.basicAuth
Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.locations.<name>.basicAuthFile
Basic Auth password file for a vhost. Can be created by running **nix-shell --packages apacheHttpd --run 'htpasswd -B -c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.locations.<name>.extraConfig
These lines go to the end of the location verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.locations.<name>.fastcgiParams
FastCGI parameters to override. Unlike in the Nginx configuration file, overriding only some default parameters won’t unset the default values for other parameters.

Type: attribute set of (string or absolute path)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.locations.<name>.index
Adds index directive.

Type: null or string

Default:

```
null
```

Example:

```
"index.php index.html"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.locations.<name>.priority
Order of this location block in relation to the others in the vhost. The semantics are the same as with 'lib.mkOrder'. Smaller values have a greater priority.

Type: signed integer

Default:

```
1000
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.locations.<name>.proxyPass
Adds proxy_pass directive and sets recommended proxy headers if recommendedProxySettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"http://www.example.org/"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.locations.<name>.proxyWebsockets
Whether to support proxying websocket connections with HTTP/1.1.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.locations.<name>.recommendedProxySettings
Enable recommended proxy settings.

Type: boolean

Default:

```
config.services.nginx.recommendedProxySettings
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.locations.<name>.recommendedUwsgiSettings
Enable recommended uwsgi settings.

Type: boolean

Default:

```
config.services.nginx.recommendedUwsgiSettings
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.locations.<name>.return
Adds a return directive, for e.g. redirections.

Type: null or string or signed integer

Default:

```
null
```

Example:

```
"301 http://example.com$request_uri"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.locations.<name>.root
Root directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/root/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.locations.<name>.tryFiles
Adds try_files directive.

Type: null or string

Default:

```
null
```

Example:

```
"$uri =404"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.locations.<name>.uwsgiPass
Adds uwsgi_pass directive and sets recommended proxy headers if recommendedUwsgiSettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"unix:/run/example/example.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.onlySSL
Whether to enable HTTPS and reject plain HTTP connections. This will set defaults for 'listen' to listen on all interfaces on port 443.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.quic
Whether to enable the QUIC transport protocol. Note that QUIC support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.redirectCode
HTTP status used by 'globalRedirect' and 'forceSSL'. Possible usecases include temporary (302, 307) redirects, keeping the request method and body (307, 308), or explicitly resetting the method to GET (303). See **https://developer.mozilla.org/en-US/docs/Web/HTTP/Redirections**.

Type: integer between 300 and 399 (both inclusive)

Default:

```
301
```

Example:

```
308
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.rejectSSL
Whether to listen for and reject all HTTPS connections to this vhost. Useful in **default** server blocks to avoid serving the certificate for another vhost. Uses the 'ssl_reject_handshake' directive available in nginx versions 1.19.4 and above.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.reuseport

Create an individual listening socket . It is required to specify only once on one of the hosts.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.root

The path of the web root directory.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/data/webserver/docs"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.serverAliases

Additional names of virtual hosts served by this virtual host configuration.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
  "example.org"
]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.serverName

Name of this virtual host. Defaults to attribute name in virtualHosts.

Type: null or string

Default:

```
null
```

Example:

```
"example.org"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.sslCertificate

Path to server SSL certificate.

Type: absolute path

Example:

```
"/var/host.cert"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.sslCertificateKey
Path to server SSL certificate key.

Type: absolute path

Example:

```
"/var/host.key"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.sslTrustedCertificate
Path to root SSL certificate for stapling and client certificates.

Type: null or absolute path

Default:

```
null
```

Example:

```
"${pkgs.cacert}/etc/ssl/certs/ca-bundle.crt"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.nginx.useACMEHost
A host of an existing Let's Encrypt certificate to use. This is useful if you have many subdomains and want to avoid hitting the **rate limit**. Alternately, you can generate a certificate through **enableACME**. *Note that this option does not create any certificates, nor it does add subdomains to existing ones – you will need to create them manually using* **security.acme.certs**[2].

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

2. see the **security.acme.certs** option

services.librenms.phpOptions
Options for PHP's php.ini file for librenms.

Please note that this option is *additive* on purpose while the attribute values inside the default are option defaults: that means that

```
{
  services.librenms.phpOptions."opcache.enable" = 1;
}
```

will override the 'php.ini' option 'opcache.enable' without discarding the rest of the defaults.

Overriding all of 'phpOptions' can be done like this:

```
{
  services.librenms.phpOptions = lib.mkForce {
    /* ... */
  };
```

```
}
```

Type: attribute set of (string or signed integer)

Default:

```
{
  "date.timezone" = {
    _type = "literalExpression";
    text = "config.time.timeZone";
  };
  log_errors = "on";
  memory_limit = {
    _type = "literalExpression";
    text = "\${toString cfg.settings.php_memory_limit}M";
  };
  "opcache.enable" = {
    _type = "literalExpression";
    text = "1";
  };
  "opcache.memory_consumption" = {
    _type = "literalExpression";
    text = "256";
  };
  post_max_size = "100M";
  upload_max_filesize = "100M";
  zend_extension = {
    _type = "literalExpression";
    text = "opcache";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.pollerThreads

Amount of threads of the cron−poller.

Type: signed integer

Default:

```
16
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.poolConfig

Options for the LibreNMS PHP pool. See the documentation on ‘php−fpm.conf’ for details on configuration directives.

Type: attribute set of (string or signed integer or boolean)

Default:

```
{
  pm = "dynamic";
  "pm.max_children" = 32;
  "pm.max_requests" = 500;
  "pm.max_spare_servers" = 4;
  "pm.min_spare_servers" = 2;
```

```
  "pm.start_servers" = 2;
}
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.settings
Attrset of the LibreNMS configuration. See **https://docs.librenms.org/Support/Configuration/** for reference. All possible options are listed **here**. See **https://docs.librenms.org/Extensions/Authentication/** for setting other authentication methods.

Type: open submodule of (JSON value)

Default:

```
{ }
```

Example:

```
{
  base_url = "/librenms/";
  top_devices = true;
  top_ports = false;
}
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.useDistributedPollers
Enables **distributed pollers** for this LibreNMS instance. This will enable a local ‘rrdcached’ and ‘memcached’ server.

To use this feature, make sure to configure your firewall that the distributed pollers can reach the local ‘mysql’, ‘rrdcached’ and ‘memcached’ ports.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librenms.user
Name of the LibreNMS user.

Type: string

Default:

```
"librenms"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/librenms.nix>

services.librespeed.enable
Whether to enable LibreSpeed server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/librespeed.nix>

services.librespeed.package
The librespeed−rust package to use.

Type: package

Default:

```
pkgs.librespeed-rust
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/librespeed.nix>

services.librespeed.domain
If not ‘null’, this will add an entry to ‘services.librespeed.servers’ and configure librespeed to use TLS.

Type: null or non−empty string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/librespeed.nix>

services.librespeed.downloadIPDB
Whether to download the IP info database before starting librespeed. Disable this if you want to use the Go implementation.

Type: boolean

Default:

```
!(config.services.librespeed.secrets ? "ipinfo_api_key")
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/librespeed.nix>

services.librespeed.frontend.enable
Enables the LibreSpeed frontend and adds a nginx virtual host if not explicitly disabled and ‘services.librespeed.domain’ is not ‘null’.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/librespeed.nix>

services.librespeed.frontend.contactEmail
Email address listed in the privacy policy.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/librespeed.nix>

services.librespeed.frontend.pageTitle
Title of the webpage.

Type: string

Default:

```
"LibreSpeed"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/librespeed.nix>

services.librespeed.frontend.servers
LibreSpeed servers that should appear in the server list.

Type: list of (submodule)

Declared by:
<nixpkgs/nixos/modules/services/web−apps/librespeed.nix>

services.librespeed.frontend.servers.*.dlURL
URL path to download test on this server. Append ‘.php’ to the default value if the server uses the php implementation.

Type: non−empty string

Default:

```
"backend/garbage"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/librespeed.nix>

services.librespeed.frontend.servers.*.getIpURL
URL path to IP lookup on this server. Append ‘.php’ to the default value if the server uses the php implementation.

Type: non−empty string

Default:

```
"backend/getIP"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/librespeed.nix>

services.librespeed.frontend.servers.*.name
Name shown in the server list.

Type: non−empty string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/librespeed.nix>

services.librespeed.frontend.servers.*.pingURL
URL path to latency/jitter test on this server. Append ‘.php’ to the default value if the server uses the php implementation.

Type: non−empty string

Default:

```
"backend/empty"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/librespeed.nix>

services.librespeed.frontend.servers.*.server

URL to the server. You may use '//' instead of 'http://' or 'https://'.

Type: non−empty string

Declared by:

<nixpkgs/nixos/modules/services/web−apps/librespeed.nix>

services.librespeed.frontend.servers.*.ulURL

URL path to upload test on this server. Append '.php' to the default value if the server uses the php implementation.

Type: non−empty string

Default:

```
"backend/empty"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/librespeed.nix>

services.librespeed.frontend.settings

Override default settings of the speedtest web client. See **speedtest_worker.js** for a list of possible values.

Type: null or (open submodule of attribute set of (boolean or signed integer or string or floating point number))

Default:

```
{
  telemetry_level = "basic";
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/librespeed.nix>

services.librespeed.frontend.useNginx

Configure nginx for the LibreSpeed frontend. This will only create a virtual host for the frontend and won't proxy all requests because the reported upload and download speeds are inaccurate if proxied.

Type: boolean

Default:

```
config.services.librespeed.domain != null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/librespeed.nix>

services.librespeed.secrets

Attribute set of filesystem paths. The contents of the specified paths will be read at service start time and merged with the attributes provided in 'settings'.

Type: null or (attribute set of absolute path not in the Nix store)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/librespeed.nix>

services.librespeed.settings

LibreSpeed configuration written as Nix expression. All values set to ‘null’ will be excluded from the evaluated config. This is useful if you want to omit certain defaults when using a different LibreSpeed implementation.

See **github.com/librespeed** for configuration help.

Type: null or (attribute set of (null or boolean or signed integer or string or package))

Default:

```
{
  assets_path = if (config.services.librespeed.frontend.enable && ! \
config.services.librespeed.frontend.useNginx) then
    librespeedAssets
  else
    pkgs.writeTextDir "index.html" "";
  bind_address = "::";
  listen_port = 8989;
  base_url = "backend";
  worker_threads = "auto";
  database_type = "none";
  database_file = "/var/lib/librespeed/speedtest.sqlite";
  # librespeed-rust will fail to start if the following config par \
ameters are omitted.
  ipinfo_api_key = "";
  stats_password = "";
  redact_ip_addresses = false;
  result_image_theme = "light";
  enable_tls = config.services.librespeed.tlsCertificate != null && \
 config.services.librespeed.tlsKey != null;
  tls_cert_file = lib.optionalString (config.services.librespeed.tl \
sCertificate != null) "/run/credentials/librespeed.service/cert.pem \
";
  tls_key_file = lib.optionalString (config.services.librespeed.tls \
Key != null) "/run/credentials/librespeed.service/key.pem";
}
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/librespeed.nix>

services.librespeed.tlsCertificate

TLS certificate to use. Use together with ‘tlsKey’.

Type: null or non-empty string

Default:

```
lib.optionalString (config.services.librespeed.useACMEHost != null) \
 "${config.security.acme.certs.${config.services.librespeed.useACME \
Host}.directory}/cert.pem"
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/librespeed.nix>

services.librespeed.tlsKey

TLS private key to use. Use together with ‘tlsCertificate’.

Type: null or non−empty string

Default:

```
lib.optionalString (config.services.librespeed.useACMEHost != null) \
 "${config.security.acme.certs.${config.services.librespeed.useACME \
Host}.directory}/key.pem"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/librespeed.nix>

services.librespeed.useACMEHost

Use a certificate generated by the NixOS ACME module for the given host. Note that this will not generate a new certificate − you will need to do so with ‘security.acme.certs’.

Type: null or non−empty string

Default:

```
null
```

Example:

```
"speed.example.com"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/librespeed.nix>

services.libreswan.enable

Whether to enable Libreswan IPsec service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/libreswan.nix>

services.libreswan.configSetup

Options to go in the ‘config setup’ section of the Libreswan IPsec configuration

Type: strings concatenated with “\n”

Default:

```
  protostack=netkey
  virtual_private=%v4:10.0.0.0/8,%v4:192.168.0.0/16,%v4:172.16.0.0/ \
12,%v4:25.0.0.0/8,%v4:100.64.0.0/10,%v6:fd00::/8,%v6:fe80::/10
```

Example:

```
  secretsfile=/root/ipsec.secrets
  protostack=netkey
  virtual_private=%v4:10.0.0.0/8,%v4:192.168.0.0/16,%v4:172.16.0.0/ \
12,%v4:25.0.0.0/8,%v4:100.64.0.0/10,%v6:fd00::/8,%v6:fe80::/10
```

Declared by:
<nixpkgs/nixos/modules/services/networking/libreswan.nix>

services.libreswan.connections
A set of connections to define for the Libreswan IPsec service

Type: attribute set of strings concatenated with “\n”

Default:

```
{ }
```

Example:

```
{ myconnection = ''
    auto=add
    left=%defaultroute
    leftid=@user
    right=my.vpn.com
    ikev2=no
    ikelifetime=8h
  '';
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/libreswan.nix>

services.libreswan.disableRedirects
Whether to disable send and accept redirects for all network interfaces. See the Libreswan **FAQ** page for why this is recommended.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/libreswan.nix>

services.libreswan.policies
A set of policies to apply to the IPsec connections.

Note
The policy name must match the one of connection it needs to apply to.

Type: attribute set of strings concatenated with “\n”

Default:

```
{ }
```

Example:

```
{ private-or-clear = ''
    # Attempt opportunistic IPsec for the entire Internet
    0.0.0.0/0
    ::/0
  '';
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/libreswan.nix>

services.libretranslate.enable
Whether to enable LibreTranslate service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/libretranslate.nix>

services.libretranslate.enableApiKeys
Whether to enable the API keys database.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/libretranslate.nix>

services.libretranslate.package
The libretranslate package to use.

Type: package

Default:

```
pkgs.libretranslate
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/libretranslate.nix>

services.libretranslate.configureNginx
Configure nginx as a reverse proxy for LibreTranslate.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/libretranslate.nix>

services.libretranslate.dataDir
The data directory.

Type: absolute path

Default:

```
"/var/lib/libretranslate"
```

Example:

```
"/srv/data/libretranslate"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/libretranslate.nix>

services.libretranslate.disableWebUI
Whether to disable the Web UI.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/libretranslate.nix>

services.libretranslate.domain
The domain serving your LibreTranslate instance. Required for configure nginx as a reverse proxy.

Type: string

Default:

```
""
```

Example:

```
"libretranslate.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/libretranslate.nix>

services.libretranslate.extraArgs
Extra arguments passed to the LibreTranslate.

Type: attribute set of (null or boolean or string or signed integer or list of (boolean or string or signed integer))

Default:

```
{ }
```

Example:

```
{
  debug = true;
  disable−files−translation = true;
  url−prefix = "translate";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/libretranslate.nix>

services.libretranslate.group
Group account under which libretranslate runs.

Type: string

Default:

```
"libretranslate"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/libretranslate.nix>

services.libretranslate.host

The address the application should listen on.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/libretranslate.nix>

services.libretranslate.port

The the application should listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5000
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/libretranslate.nix>

services.libretranslate.threads

Set number of threads.

Type: null or (positive integer, meaning >0)

Default:

```
null
```

Example:

```
8
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/libretranslate.nix>

services.libretranslate.updateModels

Update language models at startup

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/libretranslate.nix>

services.libretranslate.user

User account under which libretranslate runs.

Type: string

Default:

```
"libretranslate"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/libretranslate.nix>

services.libvirtd.autoSnapshot.enable

Whether to enable LibVirt VM snapshots.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/backup/libvirtd−autosnapshot.nix>

services.libvirtd.autoSnapshot.calendar

When to create snapshots (systemd calendar format). Default is 4:15 AM.

Type: string

Default:

```
"04:15:00"
```

Declared by:

<nixpkgs/nixos/modules/services/backup/libvirtd−autosnapshot.nix>

services.libvirtd.autoSnapshot.keep

Default number of snapshots to keep for VMs that don’t specify a keep value.

Type: signed integer

Default:

```
2
```

Declared by:

<nixpkgs/nixos/modules/services/backup/libvirtd−autosnapshot.nix>

services.libvirtd.autoSnapshot.prefix

Prefix for automatic snapshot names. This is used to identify and manage automatic snapshots separately from manual ones.

Type: string

Default:

```
"autosnap"
```

Declared by:

<nixpkgs/nixos/modules/services/backup/libvirtd−autosnapshot.nix>

services.libvirtd.autoSnapshot.snapshotType

Type of snapshot to create (internal or external).

Type: one of “internal”, “external”

Default:

```
"internal"
```

Declared by:

<nixpkgs/nixos/modules/services/backup/libvirtd−autosnapshot.nix>

services.libvirtd.autoSnapshot.vms

If specified only the list of VMs will be snapshotted else all existing one. Each entry can be either:

- A string (VM name, uses default settings)
- An attribute set with VM configuration

Type: null or (list of (string or (submodule)))

Default:

```
null
```

Example:

```
[
  "myvm1"              # Uses defaults
  {
    name = "myvm2";
    keep = 30;         # Override retention
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/backup/libvirtd-autosnapshot.nix>

services.lidarr.enable

Whether to enable Lidarr, a Usenet/BitTorrent music downloader.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/servarr/lidarr.nix>

services.lidarr.package

The lidarr package to use.

Type: package

Default:

```
pkgs.lidarr
```

Declared by:

<nixpkgs/nixos/modules/services/misc/servarr/lidarr.nix>

services.lidarr.dataDir

The directory where Lidarr stores its data files.

Type: string

Default:

```
"/var/lib/lidarr/.config/Lidarr"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/servarr/lidarr.nix>

services.lidarr.environmentFiles

Environment file to pass secret configuration values. Each line must follow the 'LIDARR__SECTION__KEY=value' pattern. Please consult the documentation at the **wiki**.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/misc/servarr/lidarr.nix>

services.lidarr.group

Group under which Lidarr runs.

Type: string

Default:

```
"lidarr"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/servarr/lidarr.nix>

services.lidarr.openFirewall

Open ports in the firewall for Lidarr

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/servarr/lidarr.nix>

services.lidarr.settings

Attribute set of arbitrary config options. Please consult the documentation at the **wiki**.

WARNING: this configuration is stored in the world−readable Nix store! For secrets use **services.lidarr.environmentFiles**.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Example:

```
{
  update.mechanism = "internal";
  server = {
    urlbase = "localhost";
    port = 8686;
    bindaddress = "*";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/misc/servarr/lidarr.nix>

services.lidarr.settings.log.analyticsEnabled
Send Anonymous Usage Data

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/lidarr.nix>

services.lidarr.settings.server.port
Port Number

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8686
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/lidarr.nix>

services.lidarr.settings.update.automatically
Automatically download and install updates.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/lidarr.nix>

services.lidarr.settings.update.mechanism
which update mechanism to use

Type: null or one of “external”, “builtIn”, “script”

Default:

```
"external"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/lidarr.nix>

services.lidarr.user
User account under which Lidarr runs.

Type: string

Default:

```
"lidarr"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/lidarr.nix>

services.lifecycled.enable
Whether to enable lifecycled, a daemon for responding to AWS AutoScaling Lifecycle Hooks.

Type: boolean

Default:

```
false
```

Example:

`true`

Declared by:
<nixpkgs/nixos/modules/services/misc/lifecycled.nix>

services.lifecycled.awsRegion
The region used for accessing AWS services.

Type: null or string

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/misc/lifecycled.nix>

services.lifecycled.cloudwatchGroup
Write logs to a specific Cloudwatch Logs group.

Type: null or string

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/misc/lifecycled.nix>

services.lifecycled.cloudwatchStream
Write logs to a specific Cloudwatch Logs stream. Defaults to the instance ID.

Type: null or string

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/misc/lifecycled.nix>

services.lifecycled.debug
Enable debugging information.

Type: boolean

Default:

`false`

Declared by:
<nixpkgs/nixos/modules/services/misc/lifecycled.nix>

services.lifecycled.handler
The script to invoke to handle events.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/misc/lifecycled.nix>

services.lifecycled.instanceId
The instance ID to listen for events for.

Type: null or string

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/misc/lifecycled.nix>

services.lifecycled.json
Enable JSON logging.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/lifecycled.nix>

services.lifecycled.noSpot
Disable the spot termination listener.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/lifecycled.nix>

services.lifecycled.queueCleaner.enable
Whether to enable lifecycled−queue−cleaner.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/lifecycled.nix>

services.lifecycled.queueCleaner.frequency
How often to trigger the queue cleaner.

NOTE: This string should be a valid value for a systemd timer's 'OnCalendar' configuration. See **systemd.timer**(5) for more information.

Type: string

Default:

```
"hourly"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/lifecycled.nix>

services.lifecycled.queueCleaner.parallel
The number of parallel deletes to run.

Type: unsigned integer, meaning >=0

Default:

```
20
```

Declared by:
<nixpkgs/nixos/modules/services/misc/lifecycled.nix>

services.lifecycled.snsTopic
The SNS topic that receives events.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/lifecycled.nix>

services.lighthouse.package
The lighthouse package to use.

Type: package

Default:

```
pkgs.lighthouse
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/lighthouse.nix>

services.lighthouse.beacon
Beacon node

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/lighthouse.nix>

services.lighthouse.beacon.enable
Whether to enable Lightouse Beacon node.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/lighthouse.nix>

services.lighthouse.beacon.address
Listen address of Beacon node.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/lighthouse.nix>

services.lighthouse.beacon.dataDir

Directory where data will be stored. Each chain will be stored under it’s own specific subdirectory.

Type: string

Default:

```
"/var/lib/lighthouse-beacon"
```

Declared by:

<nixpkgs/nixos/modules/services/blockchain/ethereum/lighthouse.nix>

services.lighthouse.beacon.disableDepositContractSync

Explicitly disables syncing of deposit logs from the execution node. This overrides any previous option that depends on it. Useful if you intend to run a non-validating beacon node.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/blockchain/ethereum/lighthouse.nix>

services.lighthouse.beacon.execution.address

Listen address for the execution layer.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/blockchain/ethereum/lighthouse.nix>

services.lighthouse.beacon.execution.jwtPath

Path for the jwt secret required to connect to the execution layer.

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/blockchain/ethereum/lighthouse.nix>

services.lighthouse.beacon.execution.port

Port number the Beacon node will be listening on for the execution layer.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8551
```

Declared by:

<nixpkgs/nixos/modules/services/blockchain/ethereum/lighthouse.nix>

services.lighthouse.beacon.extraArgs

Additional arguments passed to the lighthouse beacon command.

Type: string

Default:

```
""
```

Example:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/lighthouse.nix>

services.lighthouse.beacon.http.enable
Whether to enable Beacon node http api.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/lighthouse.nix>

services.lighthouse.beacon.http.address
Listen address of Beacon node RPC service.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/lighthouse.nix>

services.lighthouse.beacon.http.port
Port number of Beacon node RPC service.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5052
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/lighthouse.nix>

services.lighthouse.beacon.metrics.enable
Whether to enable Beacon node prometheus metrics.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/lighthouse.nix>

services.lighthouse.beacon.metrics.address
Listen address of Beacon node metrics service.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/lighthouse.nix>

services.lighthouse.beacon.metrics.port
Port number of Beacon node metrics service.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5054
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/lighthouse.nix>

services.lighthouse.beacon.openFirewall
Open the port in the firewall

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/lighthouse.nix>

services.lighthouse.beacon.port
Port number the Beacon node will be listening on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9000
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/lighthouse.nix>

services.lighthouse.extraArgs
Additional arguments passed to every lighthouse command.

Type: string

Default:

```
""
```

Example:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/lighthouse.nix>

services.lighthouse.network
The network to connect to. Mainnet is the default ethereum network.

Type: one of “mainnet”, “gnosis”, “chiado”, “sepolia”, “holesky”

Default:

```
"mainnet"
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/lighthouse.nix>

services.lighthouse.validator
Validator node

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/lighthouse.nix>

services.lighthouse.validator.enable
Enable Lightouse Validator node.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/lighthouse.nix>

services.lighthouse.validator.beaconNodes
Beacon nodes to connect to.

Type: list of string

Default:

```
[
  "http://localhost:5052"
]
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/lighthouse.nix>

services.lighthouse.validator.dataDir
Directory where data will be stored. Each chain will be stored under it’s own specific subdirectory.

Type: string

Default:

```
"/var/lib/lighthouse-validator"
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/lighthouse.nix>

services.lighthouse.validator.extraArgs
Additional arguments passed to the lighthouse validator command.

Type: string

Default:

```
""
```

Example:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/lighthouse.nix>

services.lighthouse.validator.metrics.enable
Whether to enable Validator node prometheus metrics.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/lighthouse.nix>

services.lighthouse.validator.metrics.address
Listen address of Validator node metrics service.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/lighthouse.nix>

services.lighthouse.validator.metrics.port
Port number of Validator node metrics service.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5056
```

Declared by:
<nixpkgs/nixos/modules/services/blockchain/ethereum/lighthouse.nix>

services.lighttpd.enable
Enable the lighttpd web server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/lighttpd/default.nix>

services.lighttpd.enableModules
List of lighttpd modules to enable. Sub−services take care of enabling modules as needed, so this option is mainly for when you want to add custom stuff to **services.lighttpd.extraConfig** that depends on a certain module.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "mod_cgi"
  "mod_status"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/lighttpd/default.nix>

services.lighttpd.enableUpstreamMimeTypes
Whether to include the list of mime types bundled with lighttpd (upstream). If you disable this, no mime types will be added by NixOS and you will have to add your own mime types in **services.lighttpd.extraConfig**.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/lighttpd/default.nix>

services.lighttpd.package
The lighttpd package to use.

Type: package

Default:

```
pkgs.lighttpd
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/lighttpd/default.nix>

services.lighttpd.cgit.enable
If true, enable cgit (fast web interface for git repositories) as a sub−service in lighttpd.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/lighttpd/cgit.nix>

services.lighttpd.cgit.configText
Verbatim contents of the cgit runtime configuration file. Documentation (with cgitrc example file) is available in “man cgitrc”. Or online: **http://git.zx2c4.com/cgit/tree/cgitrc.5.txt**

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
  source−filter=${pkgs.cgit}/lib/cgit/filters/syntax−highlighting \
.py
  about−filter=${pkgs.cgit}/lib/cgit/filters/about−formatting.sh
  cache−size=1000
  scan−path=/srv/git
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/lighttpd/cgit.nix>

services.lighttpd.cgit.subdir

The subdirectory in which to serve cgit. The web application will be accessible at http://yourserver/${subdir}

Type: string

Default:

```
"cgit"
```

Example:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/lighttpd/cgit.nix>

services.lighttpd.collectd.enable

Whether to enable collectd subservice accessible at http://yourserver/collectd.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/lighttpd/collectd.nix>

services.lighttpd.collectd.collectionCgi

Path to collection.cgi script from (collectd sources)/contrib/collection.cgi This option allows to use a customized version

Type: absolute path

Default: config.services.collectd.package configured for lighttpd

Declared by:

<nixpkgs/nixos/modules/services/web−servers/lighttpd/collectd.nix>

services.lighttpd.configText

Overridable config file contents to use for lighttpd. By default, use the contents automatically generated by NixOS.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
"...verbatim config file contents..."
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/lighttpd/default.nix>

services.lighttpd.document−root

Document−root of the web server. Must be readable by the “lighttpd” user.

Type: absolute path

Default:

```
"/srv/www"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/lighttpd/default.nix>

services.lighttpd.extraConfig
These configuration lines will be appended to the generated lighttpd config file. Note that this mechanism does not work when the manual **configText** option is used.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/lighttpd/default.nix>

services.lighttpd.gitweb.enable
If true, enable gitweb in lighttpd. Access it at http://yourserver/gitweb

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/lighttpd/gitweb.nix>

services.lighttpd.mod_status
Show server status overview at /server−status, statistics at /server−statistics and list of loaded modules at /server−config.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/lighttpd/default.nix>

services.lighttpd.mod_userdir
If true, requests in the form /~user/page.html are rewritten to take the file public_html/page.html from the home directory of the user.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/lighttpd/default.nix>

services.lighttpd.port
TCP port number for lighttpd to bind to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
80
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/lighttpd/default.nix>

services.limesurvey.enable

Whether to enable Limesurvey web application.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.package

The limesurvey package to use.

Type: package

Default:

```
pkgs.limesurvey
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.config

LimeSurvey configuration. Refer to **https://manual.limesurvey.org/Optional_settings** for details on supported values.

Type: limesurvey config type (str, int, bool or attribute set thereof)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.database.createLocally

Create the database and database user locally. This currently only applies if database type “mysql” is selected.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.database.dbEngine

Database storage engine to use.

Type: one of “MyISAM”, “InnoDB”

Default:

```
"InnoDB"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.database.host
Database host address.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.database.name
Database name.

Type: string

Default:

```
"limesurvey"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.database.passwordFile
A file containing the password corresponding to **database.user**.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/limesurvey−dbpassword"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.database.port
Database host port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3306
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.database.socket
Path to the unix socket file to use for authentication.

Type: null or absolute path

Default:

```
/run/mysqld/mysqld.sock
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.database.type

Database engine to use.

Type: one of “mysql”, “pgsql”, “odbc”, “mssql”

Default:

```
"mysql"
```

Example:

```
"pgsql"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.database.user

Database user.

Type: string

Default:

```
"limesurvey"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.encryptionKeyFile

32−byte key used to encrypt variables in the database.

Note: It should be string not a store path in order to prevent the password from being world readable

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.encryptionNonceFile

24−byte used to encrypt variables in the database.

Note: It should be string not a store path in order to prevent the password from being world readable

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.httpd.virtualHost

Apache configuration can be done by adapting ‘services.httpd.virtualHosts.<name>’. See **services.httpd.virtualHosts** for further information.

Type: submodule

Example:

```
{
  hostName = "survey.example.org";
  adminAddr = "webmaster@example.org";
  forceSSL = true;
  enableACME = true;
```

```
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.httpd.virtualHost.enableACME
Whether to ask Let's Encrypt to sign a certificate for this vhost. Alternately, you can use an existing certificate through **useACMEHost**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.httpd.virtualHost.enableUserDir
Whether to enable serving *~/public_html* as '/~«username»'.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.httpd.virtualHost.acmeRoot
Directory for the acme challenge which is PUBLIC, don't put certs or keys in here. Set to null to inherit from config.security.acme.

Type: null or string

Default:

```
"/var/lib/acme/acme−challenge"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.httpd.virtualHost.addSSL
Whether to enable HTTPS in addition to plain HTTP. This will set defaults for 'listen' to listen on all interfaces on the respective default ports (80, 443).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.httpd.virtualHost.adminAddr
E−mail address of the server administrator.

Type: null or string

Default:

```
null
```

Example:

```
"admin@example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.httpd.virtualHost.documentRoot
The path of Apache’s document root directory. If left undefined, an empty directory in the Nix store will be used as root.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/data/webserver/docs"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.httpd.virtualHost.extraConfig
These lines go to httpd.conf verbatim. They will go after directories and directory aliases defined by default.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
<Directory /home>
  Options FollowSymlinks
  AllowOverride All
</Directory>
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.httpd.virtualHost.forceSSL
Whether to add a separate nginx server block that permanently redirects (301) all plain HTTP traffic to HTTPS. This will set defaults for ‘listen’ to listen on all interfaces on the respective default ports (80, 443), where the non−SSL listens are used for the redirect vhosts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.httpd.virtualHost.globalRedirect
If set, all requests for this host are redirected permanently to the given URL.

Type: null or string

Default:

```
null
```

Example:

```
"http://newserver.example.org/"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.httpd.virtualHost.hostName
Canonical hostname for the server.

Type: string

Default:

```
"‹name›"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.httpd.virtualHost.http2
Whether to enable HTTP 2. HTTP/2 is supported in all multi−processing modules that come with httpd. *However, if you use the prefork mpm, there will be severe restrictions.* Refer to **https://httpd.apache.org/docs/2.4/howto/http2.html#mpm−config** for details.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.httpd.virtualHost.listen
Listen addresses and ports for this virtual host.

Note
This option overrides ‘addSSL’, ‘forceSSL’ and ‘onlySSL’.

If you only want to set the addresses manually and not the ports, take a look at ‘listenAddresses’.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    ip = "195.154.1.1";
    port = 443;
    ssl = true;
  }
  {
    ip = "192.154.1.1";
    port = 80;
  }
  {
    ip = "*";
    port = 8080;
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.httpd.virtualHost.listen.*.ip
IP to listen on. 0.0.0.0 for IPv4 only, * for all.

Type: string

Default:

```
"*"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.httpd.virtualHost.listen.*.port
Port to listen on

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.httpd.virtualHost.listen.*.ssl
Whether to enable SSL (https) support.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.httpd.virtualHost.listenAddresses
Listen addresses for this virtual host. Compared to ‘listen’ this only sets the addresses and the ports are chosen automatically.

Type: non−empty (list of string)

Default:

```
[
  "*"
]
```

Example:

```
[
  "127.0.0.1"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.httpd.virtualHost.locations
Declarative location config. See **https://httpd.apache.org/docs/2.4/mod/core.html#location** for details.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "/" = {
```

```
      proxyPass = "http://localhost:3000";
    };
    "/foo/bar.png" = {
      alias = "/home/eelco/some-file.png";
    };
  };
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/limesurvey.nix>

services.limesurvey.httpd.virtualHost.locations.<name>.alias
Alias directory for requests. See **https://httpd.apache.org/docs/2.4/mod/mod_alias.html#alias**.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/alias/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/limesurvey.nix>

services.limesurvey.httpd.virtualHost.locations.<name>.extraConfig
These lines go to the end of the location verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/limesurvey.nix>

services.limesurvey.httpd.virtualHost.locations.<name>.index
Adds DirectoryIndex directive. See **https://httpd.apache.org/docs/2.4/mod/mod_dir.html#directoryindex**.

Type: null or string

Default:

```
null
```

Example:

```
"index.php index.html"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/limesurvey.nix>

services.limesurvey.httpd.virtualHost.locations.<name>.priority
Order of this location block in relation to the others in the vhost. The semantics are the same as with ‘lib.mkOrder’. Smaller values have a greater priority.

Type: signed integer

Default:

```
1000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.httpd.virtualHost.locations.<name>.proxyPass
Sets up a simple reverse proxy as described by **https://httpd.apache.org/docs/2.4/howto/reverse_proxy.html#simple**.

Type: null or string

Default:

```
null
```

Example:

```
"http://www.example.org/"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.httpd.virtualHost.logFormat
Log format for Apache's log files. Possible values are: combined, common, referer, agent.

Type: string

Default:

```
"common"
```

Example:

```
"combined"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.httpd.virtualHost.onlySSL
Whether to enable HTTPS and reject plain HTTP connections. This will set defaults for 'listen' to listen on all interfaces on port 443.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.httpd.virtualHost.robotsEntries
Specification of pages to be ignored by web crawlers. See **http://www.robotstxt.org/** for details.

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
"Disallow: /foo/"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.httpd.virtualHost.servedDirs

This option provides a simple way to serve static directories.

Type: list of (attribute set)

Default:

```
[ ]
```

Example:

```
[
  {
    dir = "/home/eelco/Dev/nix-homepage";
    urlPath = "/nix";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/limesurvey.nix>

services.limesurvey.httpd.virtualHost.servedFiles

This option provides a simple way to serve individual, static files.

Note

This option has been deprecated and will be removed in a future version of NixOS. You can achieve the same result by making use of the ‘locations.<name>.alias’ option.

Type: list of (attribute set)

Default:

```
[ ]
```

Example:

```
[
  {
    file = "/home/eelco/some-file.png";
    urlPath = "/foo/bar.png";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/limesurvey.nix>

services.limesurvey.httpd.virtualHost.serverAliases

Additional names of virtual hosts served by this virtual host configuration.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
  "www.example.org:8080"
  "example.org"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.httpd.virtualHost.sslServerCert
Path to server SSL certificate.

Type: absolute path

Example:

```
"/var/host.cert"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.httpd.virtualHost.sslServerChain
Path to server SSL chain file.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/ca.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.httpd.virtualHost.sslServerKey
Path to server SSL certificate key.

Type: absolute path

Example:

```
"/var/host.key"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.httpd.virtualHost.useACMEHost
A host of an existing Let's Encrypt certificate to use. This is useful if you have many subdomains and want to avoid hitting the **rate limit**. Alternately, you can generate a certificate through **enableACME**. *Note that this option does not create any certificates, nor it does add subdomains to existing ones – you will need to create them manually using* **security.acme.certs**[2].

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

2. see the **security.acme.certs** option

services.limesurvey.nginx.virtualHost
Nginx configuration can be done by adapting 'services.nginx.virtualHosts.<name>'. See **services.nginx.virtualHosts** for further information.

Type: submodule

Example:

```
{
```

```
  serverName = "survey.example.org";
  forceSSL = true;
  enableACME = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.enableACME
Whether to ask Let's Encrypt to sign a certificate for this vhost. Alternately, you can use an existing certificate through **useACMEHost**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.acmeFallbackHost
Host which to proxy requests to if ACME challenge is not found. Useful if you want multiple hosts to be able to verify the same domain name.

With this option, you could request certificates for the present domain with an ACME client that is running on another host, which you would specify here.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.acmeRoot
Directory for the ACME challenge, which is **public**. Don't put certs or keys in here. Set to null to inherit from config.security.acme.

Type: null or string

Default:

```
"/var/lib/acme/acme−challenge"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.addSSL
Whether to enable HTTPS in addition to plain HTTP. This will set defaults for 'listen' to listen on all interfaces on the respective default ports (80, 443).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.basicAuth

Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.basicAuthFile

Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.default

Makes this vhost the default.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.extraConfig

These lines go to the end of the vhost verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.forceSSL

Whether to add a separate nginx server block that redirects (defaults to 301, configurable with ‘redirectCode’) all plain HTTP traffic to HTTPS. This will set defaults for ‘listen’ to listen on all interfaces on the respective default ports (80, 443), where the non−SSL listens are used for the redirect vhosts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.globalRedirect
If set, all requests for this host are redirected (defaults to 301, configurable with 'redirectCode') to the given hostname.

Type: null or string

Default:

```
null
```

Example:

```
"newserver.example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.http2
Whether to enable the HTTP/2 protocol. Note that (as of writing) due to nginx's implementation, to disable HTTP/2 you have to disable it on all vhosts that use a given IP address / port. If there is one server block configured to enable http2, then it is enabled for all server blocks on this IP. See **https://stackoverflow.com/a/39466948/263061**.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.http3
Whether to enable the HTTP/3 protocol. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that HTTP/3 support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/** HTTP/3 availability must be manually advertised, preferably in each location block.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.http3_hq
Whether to enable the HTTP/0.9 protocol negotiation used in QUIC interoperability tests. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that special application protocol support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.kTLS

Whether to enable kTLS support. Implementing TLS in the kernel (kTLS) improves performance by significantly reducing the need for copying operations between user space and the kernel. Required Nginx version 1.21.4 or later.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.listen

Listen addresses and ports for this virtual host. IPv6 addresses must be enclosed in square brackets. Note: this option overrides ‘addSSL’ and ‘onlySSL’.

If you only want to set the addresses manually and not the ports, take a look at ‘listenAddresses’.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    addr = "195.154.1.1";
    port = 443;
    ssl = true;
  }
  {
    addr = "192.154.1.1";
    port = 80;
  }
  {
    addr = "unix:/var/run/nginx.sock";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.listen.*.addr

Listen address.

Type: string

Declared by:

<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.listen.*.extraParameters

Extra parameters of this listen directive.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
```

```
  "backlog=1024"
  "deferred"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.listen.*.port
Port number to listen on. If unset and the listen address is not a socket then nginx defaults to 80.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.listen.*.proxyProtocol
Enable PROXY protocol.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.listen.*.ssl
Enable SSL.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.listenAddresses
Listen addresses for this virtual host. Compared to ‘listen’ this only sets the addresses and the ports are chosen automatically.

Note: This option overrides ‘networking.enableIPv6’

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "127.0.0.1"
  "[::1]"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.locations

Declarative location config

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "/" = {
    proxyPass = "http://localhost:3000";
  };
};
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.locations.<name>.alias

Alias directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/alias/directory"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.locations.<name>.basicAuth

Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.locations.<name>.basicAuthFile

Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.locations.<name>.extraConfig
These lines go to the end of the location verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.locations.<name>.fastcgiParams
FastCGI parameters to override. Unlike in the Nginx configuration file, overriding only some default parameters won’t unset the default values for other parameters.

Type: attribute set of (string or absolute path)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.locations.<name>.index
Adds index directive.

Type: null or string

Default:

```
null
```

Example:

```
"index.php index.html"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.locations.<name>.priority
Order of this location block in relation to the others in the vhost. The semantics are the same as with ‘lib.mkOrder’. Smaller values have a greater priority.

Type: signed integer

Default:

```
1000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.locations.<name>.proxyPass
Adds proxy_pass directive and sets recommended proxy headers if recommendedProxySettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"http://www.example.org/"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.locations.<name>.proxyWebsockets
Whether to support proxying websocket connections with HTTP/1.1.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.locations.<name>.recommendedProxySettings
Enable recommended proxy settings.

Type: boolean

Default:

```
config.services.nginx.recommendedProxySettings
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.locations.<name>.recommendedUwsgiSettings
Enable recommended uwsgi settings.

Type: boolean

Default:

```
config.services.nginx.recommendedUwsgiSettings
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.locations.<name>.return
Adds a return directive, for e.g. redirections.

Type: null or string or signed integer

Default:

```
null
```

Example:

```
"301 http://example.com$request_uri"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.locations.<name>.root
Root directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/root/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.locations.<name>.tryFiles
Adds try_files directive.

Type: null or string

Default:

```
null
```

Example:

```
"$uri =404"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.locations.<name>.uwsgiPass
Adds uwsgi_pass directive and sets recommended proxy headers if recommendedUwsgiSettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"unix:/run/example/example.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.onlySSL
Whether to enable HTTPS and reject plain HTTP connections. This will set defaults for 'listen' to listen on all interfaces on port 443.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.quic
Whether to enable the QUIC transport protocol. Note that QUIC support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.redirectCode
HTTP status used by 'globalRedirect' and 'forceSSL'. Possible usecases include temporary (302, 307) redirects, keeping the request method and body (307, 308), or explicitly resetting the method to GET (303). See **https://developer.mozilla.org/en−US/docs/Web/HTTP/Redirections**.

Type: integer between 300 and 399 (both inclusive)

Default:

```
301
```

Example:

```
308
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.rejectSSL
Whether to listen for and reject all HTTPS connections to this vhost. Useful in **default** server blocks to avoid serving the certificate for another vhost. Uses the 'ssl_reject_handshake' directive available in nginx versions 1.19.4 and above.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.reuseport
Create an individual listening socket . It is required to specify only once on one of the hosts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.root
The path of the web root directory.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/data/webserver/docs"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.serverAliases
Additional names of virtual hosts served by this virtual host configuration.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
  "example.org"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.serverName
Name of this virtual host. Defaults to attribute name in virtualHosts.

Type: null or string

Default:

```
null
```

Example:

```
"example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.sslCertificate
Path to server SSL certificate.

Type: absolute path

Example:

```
"/var/host.cert"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.sslCertificateKey
Path to server SSL certificate key.

Type: absolute path

Example:

```
"/var/host.key"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.sslTrustedCertificate
Path to root SSL certificate for stapling and client certificates.

Type: null or absolute path

Default:

```
null
```

Example:

```
"${pkgs.cacert}/etc/ssl/certs/ca−bundle.crt"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.nginx.virtualHost.useACMEHost
A host of an existing Let’s Encrypt certificate to use. This is useful if you have many subdomains and want to avoid hitting the **rate limit**. Alternately, you can generate a certificate through **enableACME**. *Note that this option does not create any certificates, nor it does add subdomains to existing ones – you will need to create them manually using* **security.acme.certs**[2].

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

2. see the **security.acme.certs** option

services.limesurvey.poolConfig
Options for the LimeSurvey PHP pool. See the documentation on ‘php−fpm.conf’ for details on configuration directives.

Type: attribute set of (string or signed integer or boolean)

Default:

```
{
  pm = "dynamic";
  "pm.max_children" = 32;
  "pm.max_requests" = 500;
  "pm.max_spare_servers" = 4;
  "pm.min_spare_servers" = 2;
  "pm.start_servers" = 2;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.limesurvey.webserver
Webserver to configure for reverse−proxying limesurvey.

Type: one of “httpd”, “nginx”

Default:

```
"httpd"
```

Example:

```
"nginx"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/limesurvey.nix>

services.linkding.enable
Whether to enable linkding, a self−hosted bookmark manager.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/linkding.nix>

services.linkding.package
The linkding package to use.

Type: package

Default:

```
pkgs.linkding
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/linkding.nix>

services.linkding.address
Address on which linkding listens.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/linkding.nix>

services.linkding.contextPath
Configures a URL context path under which linkding is accessible. When set, linkding is available at ‘http://host:<port>/<contextPath>’. Must end with a ‘/’ when non−empty.

Type: string

Default:

```
""
```

Example:

```
"linkding/"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/linkding.nix>

services.linkding.dataDir
Directory used for all mutable state: SQLite database, secret key, favicons, previews, and assets.

Type: absolute path

Default:

```
"/var/lib/linkding"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/linkding.nix>

services.linkding.database.createLocally
Whether to automatically create a local PostgreSQL database and user.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/linkding.nix>

services.linkding.database.host
PostgreSQL server host.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/linkding.nix>

services.linkding.database.name
PostgreSQL database name.

Type: string

Default:

```
"linkding"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/linkding.nix>

services.linkding.database.port
PostgreSQL server port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5432
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/linkding.nix>

services.linkding.database.type
Database engine to use. Defaults to SQLite.

Type: one of “sqlite”, “postgres”

Default:

```
"sqlite"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/linkding.nix>

services.linkding.database.user
PostgreSQL user name.

Type: string

Default:

```
"linkding"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/linkding.nix>

services.linkding.environmentFile
Path to an environment file loaded by all linkding services. Useful for injecting secrets that should not appear in the Nix store, such as ‘LD_DB_PASSWORD’ or ‘LD_SUPERUSER_PASSWORD’.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/linkding.env"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/linkding.nix>

services.linkding.group

Group under which linkding runs.

> **Note**
> If left as the default value this group will automatically be created on system activation, otherwise you are responsible for ensuring the group exists before the linkding service starts.

Type: string

Default:

```
"linkding"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/linkding.nix>

services.linkding.openFirewall

Open the linkding port in the firewall.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/linkding.nix>

services.linkding.port

Port on which linkding listens.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9090
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/linkding.nix>

services.linkding.settings

Additional environment variables passed to linkding. Refer to the **linkding documentation** for the full list of supported 'LD_*' options.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  LD_DISABLE_BACKGROUND_TASKS = "True";
  LD_DISABLE_URL_VALIDATION = "True";
  LD_ENABLE_OIDC = "True";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/linkding.nix>

services.linkding.user

User account under which linkding runs.

> **Note**
> If left as the default value this user will automatically be created on system activation, otherwise you are responsible for ensuring the user exists before the linkding service starts.

Type: string

Default:

```
"linkding"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/linkding.nix>

services.linkwarden.enable
Whether to enable Linkwarden.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/linkwarden.nix>

services.linkwarden.enableRegistration
Whether to enable registration for new users.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/linkwarden.nix>

services.linkwarden.package
The linkwarden package to use.

Type: package

Default:

```
pkgs.linkwarden
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/linkwarden.nix>

services.linkwarden.cacheLocation
Directory used as cache. If it is not the default, the directory has to be created manually such that the linkwarden user is able to read and write to it.

Type: absolute path

Default:

```
"/var/cache/linkwarden"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/linkwarden.nix>

services.linkwarden.database.createLocally

Whether to enable the automatic creation of the database for Linkwarden…

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/linkwarden.nix>

services.linkwarden.database.host

Hostname or address of the postgresql server. If an absolute path is given here, it will be interpreted as a unix socket path.

Type: string

Default:

```
"/run/postgresql"
```

Example:

```
"localhost"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/linkwarden.nix>

services.linkwarden.database.name

The name of the Linkwarden database.

Type: string

Default:

```
"linkwarden"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/linkwarden.nix>

services.linkwarden.database.port

Port of the postgresql server.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5432
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/linkwarden.nix>

services.linkwarden.database.user

The database user for Linkwarden.

Type: string

Default:

```
"linkwarden"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/linkwarden.nix>

services.linkwarden.environment

Extra configuration environment variables. Refer to the **documentation** for options.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  PAGINATION_TAKE_COUNT = "50";
}
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/linkwarden.nix>

services.linkwarden.environmentFile

Path of a file with extra environment variables to be loaded from disk. This file is not added to the nix store, so it can be used to pass secrets to linkwarden. Refer to the **documentation** for options.

Linkwarden needs at least a nextauth secret. To set a database password use POSTGRES_PASSWORD:

```
NEXTAUTH_SECRET=<secret>
POSTGRES_PASSWORD=<pass>
```

Type: null or string

Default:

```
null
```

Example:

```
"/run/secrets/linkwarden"
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/linkwarden.nix>

services.linkwarden.group

The group Linkwarden should run as.

Type: string

Default:

```
"linkwarden"
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/linkwarden.nix>

services.linkwarden.host

The host that Linkwarden will listen on.

Type: string

Default:

```
"localhost"
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/linkwarden.nix>

services.linkwarden.openFirewall

Whether to open the Linkwarden port in the firewall

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/linkwarden.nix>

services.linkwarden.port

The port that Linkwarden will listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/linkwarden.nix>

services.linkwarden.secretFiles

Attribute set containing paths to files to add to the environment of linkwarden. The files are not added to the nix store, so they can be used to pass secrets to linkwarden. Refer to the **documentation** for options.

Linkwarden needs at least a nextauth secret. To set a database password use POSTGRES_PASSWORD:

```
NEXTAUTH_SECRET=<secret>
POSTGRES_PASSWORD=<pass>
```

Type: attribute set of (null or string)

Default:

```
{ }
```

Example:

```
{
  NEXTAUTH_SECRET = "/run/secrets/linkwarden_secret";
  POSTGRES_PASSWORD = "/run/secrets/linkwarden_postgres_passwd";
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/linkwarden.nix>

services.linkwarden.storageLocation

Directory used to store media files. If it is not the default, the directory has to be created manually such that the linkwarden user is able to read and write to it.

Type: absolute path

Default:

```
"/var/lib/linkwarden"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/linkwarden.nix>

services.linkwarden.user

The user Linkwarden should run as.

Type: string

Default:

```
"linkwarden"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/linkwarden.nix>

services.linux−enable−ir−emitter.enable

Whether to enable IR emitter hardware. Designed to be used with the Howdy facial authentication. After enabling the service, configure the emitter with 'sudo linux−enable−ir−emitter configure'.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/linux−enable−ir−emitter.nix>

services.linux−enable−ir−emitter.package

Package to use for the Linux Enable IR Emitter service.

Type: package

Default:

```
pkgs.linux−enable−ir−emitter
```

Declared by:

<nixpkgs/nixos/modules/services/misc/linux−enable−ir−emitter.nix>

services.linux−enable−ir−emitter.device

IR camera device to depend on. For example, for '/dev/video2' the value would be 'video2'. Find this with the command **realpath /dev/v4l/by−path/<generated−driver−name>**.

Type: string

Default:

```
"video2"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/linux−enable−ir−emitter.nix>

services.linyaps.enable

Whether to enable linyaps, a cross−distribution package manager with sandboxed apps and shared runtime.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/linyaps.nix>

services.linyaps.package
The linyaps package to use.

Type: package

Default:

```
pkgs.linyaps
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/linyaps.nix>

services.linyaps.boxPackage
The linyaps−box package to use.

Type: package

Default:

```
pkgs.linyaps-box
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/linyaps.nix>

services.linyaps.webStoreInstallerPackage
The linyaps−web−store−installer package to use.

Type: package

Default:

```
pkgs.linyaps-web-store-installer
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/linyaps.nix>

services.liquidsoap.streams
Set of Liquidsoap streams to start, one systemd service per stream.

Type: attribute set of (absolute path or string)

Default:

```
{ }
```

Example:

```
{
  myStream1 = "/etc/liquidsoap/myStream1.liq";
  myStream2 = ./myStream2.liq;
  myStream3 = "out(playlist(\"/srv/music/\"))";
}
```

Declared by:
<nixpkgs/nixos/modules/services/audio/liquidsoap.nix>

services.lirc.enable
Whether to enable the LIRC daemon, to receive and send infrared signals.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/lirc.nix>

services.lirc.configs
Configurations for lircd to load, see man:lircd.conf(5) for details (*lircd.conf*)

Type: list of strings concatenated with “\n”

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/lirc.nix>

services.lirc.extraArguments
Extra arguments to lircd.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/lirc.nix>

services.lirc.options
LIRC default options described in man:lircd(8) (*lirc_options.conf*)

Type: strings concatenated with “\n”

Example:

```
[lircd]
nodaemon = False
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/lirc.nix>

services.listmonk.enable
Whether to enable Listmonk, this module assumes a reverse proxy to be set.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/listmonk.nix>

services.listmonk.package
The listmonk package to use.

Type: package

Default:

```
pkgs.listmonk
```

Declared by:
<nixpkgs/nixos/modules/services/mail/listmonk.nix>

services.listmonk.database.createLocally
Create the PostgreSQL database and database user locally.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/mail/listmonk.nix>

services.listmonk.database.mutableSettings
Database settings will be reset to the value set in this module if this is not enabled. Enable this if you want to persist changes you have done in the application.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/listmonk.nix>

services.listmonk.database.settings
Dynamic settings in the PostgreSQL database, set by a SQL script, see **https://github.com/knadh/listmonk/blob/master/schema.sql#L177−L230** for details.

Type: null or (open submodule of attribute set of ((list of string) or list of attribute set of anything or string or signed integer or boolean))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/mail/listmonk.nix>

services.listmonk.database.settings."app.notify_emails"
Administrator emails for system notifications

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/listmonk.nix>

services.listmonk.database.settings."bounce.mailboxes"
List of bounce mailboxes

Type: list of (open submodule of list of attribute set of anything)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/listmonk.nix>

services.listmonk.database.settings.messengers

List of messengers, see: **https://github.com/knadh/listmonk/blob/master/models/settings.go#L64−L74** for options.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/mail/listmonk.nix>

services.listmonk.database.settings."privacy.domain_blocklist"

E−mail addresses with these domains are disallowed from subscribing.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/mail/listmonk.nix>

services.listmonk.database.settings."privacy.exportable"

List of fields which can be exported through an automatic export request

Type: list of string

Default:

```
[
  "profile"
  "subscriptions"
  "campaign_views"
  "link_clicks"
]
```

Declared by:

<nixpkgs/nixos/modules/services/mail/listmonk.nix>

services.listmonk.database.settings.smtp

List of outgoing SMTP servers

Type: list of (open submodule of attribute set of anything)

Declared by:

<nixpkgs/nixos/modules/services/mail/listmonk.nix>

services.listmonk.database.settings.smtp.*.enabled

Whether to enable this SMTP server for listmonk.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/mail/listmonk.nix>

services.listmonk.database.settings.smtp.*.host
Hostname for the SMTP server

Type: string

Declared by:
<nixpkgs/nixos/modules/services/mail/listmonk.nix>

services.listmonk.database.settings.smtp.*.max_conns
Maximum number of simultaneous connections, defaults to 1

Type: signed integer

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/mail/listmonk.nix>

services.listmonk.database.settings.smtp.*.port
Port for the SMTP server

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Declared by:
<nixpkgs/nixos/modules/services/mail/listmonk.nix>

services.listmonk.database.settings.smtp.*.tls_type
Type of TLS authentication with the SMTP server

Type: one of “none”, “STARTTLS”, “TLS”

Declared by:
<nixpkgs/nixos/modules/services/mail/listmonk.nix>

services.listmonk.secretFile
A file containing secrets as environment variables. See **https://listmonk.app/docs/configuration/#environment-variables** for details on supported values.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/mail/listmonk.nix>

services.listmonk.settings
Static settings set in the config.toml, see **https://github.com/knadh/listmonk/blob/master/config.toml.sample** for details. You can set secrets using the secretFile option with environment variables following **https://listmonk.app/docs/configuration/#environment-variables**.

Type: open submodule of (TOML value)

Declared by:
<nixpkgs/nixos/modules/services/mail/listmonk.nix>

services.litellm.enable
Whether to enable LiteLLM server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/litellm.nix>

services.litellm.package
The litellm package to use.

Type: package

Default:

```
pkgs.litellm
```

Declared by:
<nixpkgs/nixos/modules/services/misc/litellm.nix>

services.litellm.environment
Extra environment variables for LiteLLM.

Type: attribute set of string

Default:

```
{
  ANONYMIZED_TELEMETRY = "False";
  DO_NOT_TRACK = "True";
  SCARF_NO_ANALYTICS = "True";
}
```

Example:

```
{
  NO_DOCS="True";
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/litellm.nix>

services.litellm.environmentFile
Environment file to be passed to the systemd service. Useful for passing secrets to the service to prevent them from being world−readable in the Nix store.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/lib/secrets/liteLLMSecrets"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/litellm.nix>

services.litellm.host
The host address which the LiteLLM server HTTP interface listens to.

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/litellm.nix>

services.litellm.openFirewall
Whether to open the firewall for LiteLLM. This adds 'services.litellm.port' to 'networking.firewall.allowedTCPPorts'.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/litellm.nix>

services.litellm.port
Which port the LiteLLM server listens to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Example:

```
11111
```

Declared by:
<nixpkgs/nixos/modules/services/misc/litellm.nix>

services.litellm.settings
Configuration for LiteLLM. See **https://docs.litellm.ai/docs/proxy/configs** for more.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/litellm.nix>

services.litellm.settings.environment_variables
Environment variables to pass to the Lite

Type: YAML 1.1 value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/litellm.nix>

services.litellm.settings.general_settings
LiteLLM Server settings

Type: YAML 1.1 value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/litellm.nix>

services.litellm.settings.litellm_settings
LiteLLM Module settings

Type: YAML 1.1 value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/litellm.nix>

services.litellm.settings.model_list
List of supported models on the server, with model−specific configs.

Type: YAML 1.1 value

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/litellm.nix>

services.litellm.settings.router_settings
LiteLLM Router settings

Type: YAML 1.1 value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/litellm.nix>

services.litellm.stateDir
State directory of LiteLLM.

Type: absolute path

Default:

```
"/var/lib/litellm"
```

Example:

```
"/home/foo"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/litellm.nix>

services.litestream.enable
Whether to enable litestream.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/litestream/default.nix>

services.litestream.package

The litestream package to use.

Type: package

Default:

```
pkgs.litestream
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/litestream/default.nix>

services.litestream.environmentFile

Environment file as defined in **systemd.exec**(5).

Secrets may be passed to the service without adding them to the world−readable Nix store, by specifying placeholder variables as the option value in Nix and setting these variables accordingly in the environment file.

By default, Litestream will perform environment variable expansion within the config file before reading it. Any references to $VAR or ${VAR} formatted variables will be replaced with their environment variable values. If no value is set then it will be replaced with an empty string.

```
  # Content of the environment file
  LITESTREAM_ACCESS_KEY_ID=AKIAxxxxxxxxxxxxxxx
  LITESTREAM_SECRET_ACCESS_KEY=xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx/xxxxx \
xxxx
```

Note that this file needs to be available on the host on which this exporter is running.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/litestream"
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/litestream/default.nix>

services.litestream.settings

See the **documentation**.

Type: YAML 1.1 value

Default:

```
null
```

Example:

```
{
  dbs = [
    {
      path = "/var/lib/db1";
      replicas = [
        {
          url = "s3://mybkt.litestream.io/db1";
        }
      ];
    }
  ];
}
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/litestream/default.nix>

services.livebook.enableUserService
Whether to enable a user service for Livebook.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/development/livebook.nix>

services.livebook.package
The livebook package to use.

Type: package

Default:

```
pkgs.livebook
```

Declared by:
<nixpkgs/nixos/modules/services/development/livebook.nix>

services.livebook.environment
Environment variables to set.

Livebook is configured through the use of environment variables. The available configuration options can be found in the **Livebook documentation**.

Note that all environment variables set through this configuration parameter will be readable by anyone with access to the host machine. Therefore, sensitive information like **LIVEBOOK_PASSWORD** or **LIVEBOOK_COOKIE** should never be set using this configuration option, but should instead use **services.livebook.environmentFile**. See the documentation for that option for more information.

Any environment variables specified in the **services.livebook.environmentFile** will supersede environment variables specified in this option.

Type: attribute set of (null or boolean or signed integer or string)

Default:

```
{ }
```

Example:

```
{
  LIVEBOOK_PORT = 8080;
}
```

Declared by:
<nixpkgs/nixos/modules/services/development/livebook.nix>

services.livebook.environmentFile
Additional environment file as defined in **systemd.exec**(5).

Secrets like **LIVEBOOK_PASSWORD** (which is used to specify the password needed to access the livebook site) or **LIVEBOOK_COOKIE** (which is used to specify the **cookie** used to connect to the running Elixir system) may be passed to the service without making them readable to everyone with access to systemctl by using this configuration parameter.

Note that this file needs to be available on the host on which 'livebook' is running.

For security purposes, this file should contain at least **LIVEBOOK_PASSWORD** or **LIVEBOOK_TOKEN_ENABLED=false**.

See the **Livebook documentation** and the **services.livebook.environment** configuration parameter for further options.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/lib/livebook.env"
```

Declared by:
<nixpkgs/nixos/modules/services/development/livebook.nix>

services.livebook.extraPackages
Extra packages to make available to the Livebook service.

Type: list of package

Default:

```
[ ]
```

Example:

```
with pkgs; [ gcc gnumake ]
```

Declared by:
<nixpkgs/nixos/modules/services/development/livebook.nix>

services.livekit.enable
Whether to enable the livekit server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/livekit.nix>

services.livekit.package
The livekit package to use.

Type: package

Default:

```
pkgs.livekit
```

Declared by:
<nixpkgs/nixos/modules/services/networking/livekit.nix>

services.livekit.ingress.enable

Whether to enable the livekit ingress service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/livekit−ingress.nix>

services.livekit.ingress.package

The livekit−ingress package to use.

Type: package

Default:

```
pkgs.livekit−ingress
```

Declared by:

<nixpkgs/nixos/modules/services/networking/livekit−ingress.nix>

services.livekit.ingress.environmentFile

Environment file as defined in **systemd.exec**(5) passed to the service.

Use this to specify ‘LIVEKIT_API_KEY’ and ‘LIVEKIT_API_SECRET’.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/livekit−ingress.nix>

services.livekit.ingress.openFirewall.rtc

Open WebRTC ports in the firewall.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/livekit−ingress.nix>

services.livekit.ingress.openFirewall.rtmp

Open RTMP port in the firewall.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/livekit−ingress.nix>

services.livekit.ingress.openFirewall.whip

Open WHIP port in the firewall.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/livekit−ingress.nix>

services.livekit.ingress.settings

LiveKit Ingress configuration.

See **https://github.com/livekit/ingress?tab=readme−ov−file#config** for possible options.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Example:

```
{
  cpu_cost = {
    rtmp_cpu_cost = 3.0;
    whip_cpu_cost = 1.0;
  };
  prometheus_port = 9039;
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/livekit−ingress.nix>

services.livekit.ingress.settings.redis.address

Address or hostname and port for redis connection

Type: null or string

Default:

```
"Host and port of the local livekit redis instance, if enabled, or  \
null"
```

Example:

```
"redis.example.com:6379"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/livekit−ingress.nix>

services.livekit.ingress.settings.rtc_config.port_range_end

End of UDP port range for WebRTC

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
51000
```

Declared by:

<nixpkgs/nixos/modules/services/networking/livekit−ingress.nix>

services.livekit.ingress.settings.rtc_config.port_range_start

Start of UDP port range for WebRTC

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
50000
```

Declared by:

<nixpkgs/nixos/modules/services/networking/livekit−ingress.nix>

services.livekit.ingress.settings.rtc_config.use_external_ip

When set to true, attempts to discover the host's public IP via STUN. This is useful for cloud environments such as AWS & Google where hosts have an internal IP that maps to an external one.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/livekit−ingress.nix>

services.livekit.ingress.settings.rtmp_port

TCP port for RTMP connections. −1 to disable

Type: integer between −1 and 65535 (both inclusive)

Default:

```
1935
```

Declared by:

<nixpkgs/nixos/modules/services/networking/livekit−ingress.nix>

services.livekit.ingress.settings.whip_port

TCP port for WHIP connections. −1 to disable

Type: integer between −1 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:

<nixpkgs/nixos/modules/services/networking/livekit−ingress.nix>

services.livekit.keyFile

LiveKit key file holding one or multiple application secrets. Use 'livekit−server generate−keys' to generate a random key name and secret.

The file should have the format '<keyname>: <secret>'. Example: 'lk−jwt−service: f6lQGaHtM5HfgZjIcec3cOCRfiDqIine4CpZZnqdT5cE'

Individual key/secret pairs need to be passed to clients to connect to this instance.

Type: absolute path

Declared by:

<nixpkgs/nixos/modules/services/networking/livekit.nix>

services.livekit.openFirewall

Opens port range for LiveKit on the firewall.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/livekit.nix>

services.livekit.redis.createLocally

Whether to set up a local redis instance.

Type: boolean

Default:

```
"true if any other Livekit component is enabled locally else false"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/livekit.nix>

services.livekit.redis.host

Address to bind local redis instance to.

Type: null or string

Default:

```
"127.0.0.1 if config.services.livekit.redis.createLocally else null \
"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/livekit.nix>

services.livekit.redis.port

Port to bind local redis instance to.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/livekit.nix>

services.livekit.settings

LiveKit configuration file expressed in nix.

For an example configuration, see **https://docs.livekit.io/home/self−hosting/deployment/#configuration**. For all possible values, see **https://github.com/livekit/livekit/blob/master/config−sample.yaml**.

Type: open submodule of (JSON value)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/livekit.nix>

services.livekit.settings.port

Main TCP port for RoomService and RTC endpoint.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
7880
```

Declared by:

<nixpkgs/nixos/modules/services/networking/livekit.nix>

services.livekit.settings.redis.address

Host and port used to connect to a redis instance.

Type: null or string

Default:

```
Local Redis host/port when a local ingress component is enabled els \
e null
```

Example:

```
"redis.example.com:6379"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/livekit.nix>

services.livekit.settings.rtc.port_range_end

End of UDP port range for WebRTC

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
51000
```

Declared by:

<nixpkgs/nixos/modules/services/networking/livekit.nix>

services.livekit.settings.rtc.port_range_start

Start of UDP port range for WebRTC

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
50000
```

Declared by:

<nixpkgs/nixos/modules/services/networking/livekit.nix>

services.livekit.settings.rtc.use_external_ip

When set to true, attempts to discover the host's public IP via STUN. This is useful for cloud environments such as AWS & Google where hosts have an internal IP that maps to an external one.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/livekit.nix>

services.lk−jwt−service.enable

Whether to enable lk−jwt−service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/lk−jwt−service.nix>

services.lk−jwt−service.package

The lk−jwt−service package to use.

Type: package

Default:

```
pkgs.lk−jwt−service
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/lk−jwt−service.nix>

services.lk−jwt−service.keyFile

Path to a file containing the credential mapping (‘<keyname>: <secret>’) to access LiveKit.

Example: ‘lk−jwt−service: f6lQGaHtM5HfgZjIcec3cOCRfiDqIine4CpZZnqdT5cE’

For more information, see **https://github.com/element−hq/lk−jwt−service#configuration**.

Type: absolute path

Declared by:

<nixpkgs/nixos/modules/services/matrix/lk−jwt−service.nix>

services.lk−jwt−service.livekitUrl

The public websocket URL for livekit. The proto needs to be either ‘wss://’ (recommended) or ‘ws://’ (insecure).

Type: string matching the pattern ^wss?://.*

Example:

```
"wss://example.com/livekit/sfu"
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/lk−jwt−service.nix>

services.lk−jwt−service.port

Port that lk−jwt−service should listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/lk−jwt−service.nix>

services.llama-cpp.enable

Whether to enable LLaMA C++ server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/llama-cpp.nix>

services.llama-cpp.package

The llama-cpp package to use.

Type: package

Default:

```
pkgs.llama-cpp
```

Declared by:

<nixpkgs/nixos/modules/services/misc/llama-cpp.nix>

services.llama-cpp.extraFlags

Extra flags passed to llama-cpp-server.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-c"
  "4096"
  "-ngl"
  "32"
  "--numa"
  "numactl"
]
```

Declared by:

<nixpkgs/nixos/modules/services/misc/llama-cpp.nix>

services.llama-cpp.host

IP address the LLaMA C++ server listens on.

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/llama-cpp.nix>

services.llama-cpp.model

Model path.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/models/mistral-instruct-7b/ggml-model-q4_0.gguf"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/llama-cpp.nix>

services.llama-cpp.modelsDir

Models directory.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/models/"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/llama-cpp.nix>

services.llama-cpp.modelsPreset

Models preset configuration as a Nix attribute set. This is converted to an INI file and passed to llama-server via --models-preset. See llama-server documentation for available options.

Type: null or (attribute set of (attribute set))

Default:

```
null
```

Example:

```
{
  "Qwen3-Coder-Next" = {
    hf-repo = "unsloth/Qwen3-Coder-Next-GGUF";
    hf-file = "Qwen3-Coder-Next-UD-Q4_K_XL.gguf";
    alias = "unsloth/Qwen3-Coder-Next";
    fit = "on";
    seed = "3407";
    temp = "1.0";
    top-p = "0.95";
    min-p = "0.01";
    top-k = "40";
    jinja = "on";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/misc/llama-cpp.nix>

services.llama-cpp.openFirewall

Open ports in the firewall for LLaMA C++ server.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/llama-cpp.nix>

services.llama-cpp.port

Listen port for LLaMA C++ server.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:

<nixpkgs/nixos/modules/services/misc/llama-cpp.nix>

services.llama-swap.enable

Whether to enable the llama-swap service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/llama-swap.nix>

services.llama-swap.package

The llama-swap package to use.

Type: package

Default:

```
pkgs.llama-swap
```

Declared by:

<nixpkgs/nixos/modules/services/networking/llama-swap.nix>

services.llama-swap.listenAddress

Address that llama-swap listens on.

Type: string

Default:

```
"localhost"
```

Example:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/llama-swap.nix>

services.llama-swap.openFirewall

Whether to open the firewall for llama-swap. This adds **port** to **networking.firewall.allowedTCPPorts**.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/llama-swap.nix>

services.llama-swap.port

Port that llama-swap listens on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Example:

```
11343
```

Declared by:

<nixpkgs/nixos/modules/services/networking/llama-swap.nix>

services.llama-swap.settings

llama-swap configuration. Refer to the **llama-swap example configuration** for details on supported values.

Type: open submodule of (YAML 1.1 value)

Example:

```
let
  llama-cpp = pkgs.llama-cpp.override { rocmSupport = true; };
  llama-server = lib.getExe' llama-cpp "llama-server";
in
{
  healthCheckTimeout = 60;
  models = {
    "some-model" = {
      cmd = "${llama-server} --port ${PORT} -m /var/lib/llama- \
cpp/models/some-model.gguf -ngl 0 --no-webui";
      aliases = [
        "the-best"
      ];
    };
    "other-model" = {
      proxy = "http://127.0.0.1:5555";
      cmd = "${llama-server} --port 5555 -m /var/lib/llama-cpp \
/models/other-model.gguf -ngl 0 -c 4096 -np 4 --no-webui";
      concurrencyLimit = 4;
    };
  };
};
```

Declared by:

<nixpkgs/nixos/modules/services/networking/llama-swap.nix>

services.llama-swap.tls.enable

Whether to enable TLS encryption.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/llama-swap.nix>

services.llama-swap.tls.certFile

Path to the TLS certificate file. This certificate will be offered to, and may be verified by, clients.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/path/to/cert.pem"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/llama-swap.nix>

services.llama-swap.tls.keyFile

Path to the TLS private key file. This key will be used to decrypt, data received from clients.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/path/to/key.pem"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/llama-swap.nix>

services.lldap.enable

Whether to enable lldap, a lightweight authentication server that provides an opinionated, simplified LDAP interface for authentication.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/databases/lldap.nix>

services.lldap.package

The lldap package to use.

Type: package

Default:

```
pkgs.lldap
```

Declared by:

<nixpkgs/nixos/modules/services/databases/lldap.nix>

services.lldap.database.createLocally

Create the database and database user locally.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/databases/lldap.nix>

services.lldap.database.type

Database engine to use.

Type: one of “mariadb”, “postgresql”, “sqlite”

Default:

```
"sqlite"
```

Example:

```
"postgresql"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/lldap.nix>

services.lldap.environment

Environment variables passed to the service. Any config option name prefixed with ‘LLDAP_’ takes priority over the one in the configuration file.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  LLDAP_JWT_SECRET_FILE = "/run/lldap/jwt_secret";
  LLDAP_LDAP_USER_PASS_FILE = "/run/lldap/user_password";
}
```

Declared by:

<nixpkgs/nixos/modules/services/databases/lldap.nix>

services.lldap.environmentFile

Environment file as defined in **systemd.exec**(5) passed to the service.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/databases/lldap.nix>

services.lldap.settings
Free−form settings written directly to the *lldap_config.toml* file. Refer to **https://github.com/lldap/lldap/blob/main/lldap_config.docker_template.toml** for supported values.

Type: open submodule of (TOML value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/databases/lldap.nix>

services.lldap.settings.database_url
Database URL.

Type: null or string

Default:

```
if config.services.lldap.database.createLocally
then
  if cfg.database.type == "sqlite"
  then "sqlite://./users.db?mode=rwc"
  else if cfg.database.type == "postgresql"
  then "postgresql:///lldap?host=/run/postgresql"
  else if cfg.database.type == "mariadb"
  then "mysql://lldap@localhost/lldap?socket=/run/mysqld/mysqld.soc \
k"
else null
```

Example:

```
"postgres://postgres-user:password@postgres-server/my-database"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/lldap.nix>

services.lldap.settings.force_ldap_user_pass_reset
Force reset of the admin password.

Set this setting to ‘"always"’ to update the admin password when ‘ldap_user_pass_file’ changes. Setting to ‘"always"’ also means any password update in the UI will be overwritten next time the service restarts.

The difference between ‘true’ and ‘"always"’ is the former is intended for a one time fix while the latter is intended for a declarative workflow. In practice, the result is the same: the password gets reset. The only practical difference is the former outputs a warning message while the latter outputs an info message.

Type: boolean or value “always” (singular enum)

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/databases/lldap.nix>

services.lldap.settings.http_host
The host address that the HTTP server will be bound to.

Type: string

Default:

```
"::"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/lldap.nix>

services.lldap.settings.http_port
The port on which to have the HTTP server, for user login and administration.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
17170
```

Declared by:
<nixpkgs/nixos/modules/services/databases/lldap.nix>

services.lldap.settings.http_url
The public URL of the server, for password reset links.

Type: string

Default:

```
"http://localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/lldap.nix>

services.lldap.settings.jwt_secret_file
Path to a file containing the JWT secret.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/databases/lldap.nix>

services.lldap.settings.ldap_base_dn
Base DN for LDAP.

Type: string

Example:

```
"dc=example,dc=com"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/lldap.nix>

services.lldap.settings.ldap_host
The host address that the LDAP server will be bound to.

Type: string

Default:

```
"::"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/lldap.nix>

services.lldap.settings.ldap_port
The port on which to have the LDAP server.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3890
```

Declared by:
<nixpkgs/nixos/modules/services/databases/lldap.nix>

services.lldap.settings.ldap_user_dn
Admin username

Type: string

Default:

```
"admin"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/lldap.nix>

services.lldap.settings.ldap_user_email
Admin email.

Type: string

Default:

```
"admin@example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/lldap.nix>

services.lldap.settings.ldap_user_pass
Password for default admin password.

Unsecure: Use ‘ldap_user_pass_file’ settings instead.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/databases/lldap.nix>

services.lldap.settings.ldap_user_pass_file
Path to a file containing the default admin password.

If you want to update the default admin password through this setting, you must set ‘force_ldap_user_pass_reset’ to ‘true’. Otherwise changing this setting will have no effect unless this is the very first time LLDAP is started and its database is still empty.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/databases/lldap.nix>

services.lldap.silenceForceUserPassResetWarning
Disable warning when the admin password is set declaratively with the ‘ldap_user_pass_file’ setting but the ‘force_ldap_user_pass_reset’ is set to ‘false’.

This can lead to the admin password to drift from the one given declaratively. If that is okay for you and you want to silence the warning, set this option to ‘true’.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/databases/lldap.nix>

services.lldpd.enable
Whether to enable Link Layer Discovery Protocol Daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/lldpd.nix>

services.lldpd.extraArgs
List of command line parameters for lldpd

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-c"
  "-k"
  "-I eth0"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/lldpd.nix>

services.local−content−share.enable
Whether to enable Local−Content−Share.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/local−content−share.nix>

services.local−content−share.package
The local−content−share package to use.

Type: package

Default:

```
pkgs.local−content−share
```

Declared by:
<nixpkgs/nixos/modules/services/misc/local−content−share.nix>

services.local−content−share.listenAddress
Address on which the service will be available.

The service will listen on all interfaces if set to an empty string.

Type: string

Default:

```
""
```

Example:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/local−content−share.nix>

services.local−content−share.openFirewall
Whether to automatically open the specified port in the firewall

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/local−content−share.nix>

services.local−content−share.port
Port on which the service will be available

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/misc/local−content−share.nix>

services.localtimed.enable
Enable ‘localtimed’, a simple daemon for keeping the system timezone up−to−date based on the current location. It uses geoclue2 to determine the current location.

To avoid silent overriding by the service, if you have explicitly set a timezone, either remove it or ensure that it is set with a lower priority than the default value using ‘lib.mkDefault’ or ‘lib.mkOverride’. This is to make the choice deliberate. An error will be presented otherwise.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/system/localtimed.nix>

services.localtimed.package
The localtime package to use.

Type: package

Default:

```
pkgs.localtime
```

Declared by:
<nixpkgs/nixos/modules/services/system/localtimed.nix>

services.localtimed.geoclue2Package
The Geoclue2 package to use.

Type: package

Default:

```
pkgs.geoclue2-with-demo-agent
```

Declared by:
<nixpkgs/nixos/modules/services/system/localtimed.nix>

services.locate.enable
If enabled, NixOS will periodically update the database of files used by the **locate** command.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/misc/locate.nix>

services.locate.package
The plocate package to use.

Type: package

Default:

```
pkgs.plocate
```

Example:

```
mlocate
```

Declared by:
<nixpkgs/nixos/modules/misc/locate.nix>

services.locate.extraFlags
Extra flags to pass to **updatedb**.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/misc/locate.nix>

services.locate.interval

Update the locate database at this interval. Updates by default at 2:15 AM every day.

The format is described in **systemd.time**(7).

To disable automatic updates, set to ‘"never"’ and run **updatedb** manually.

Type: string

Default:

```
"02:15"
```

Example:

```
"hourly"
```

Declared by:

<nixpkgs/nixos/modules/misc/locate.nix>

services.locate.output

The database file to build.

Type: absolute path

Default:

```
"/var/cache/locatedb"
```

Declared by:

<nixpkgs/nixos/modules/misc/locate.nix>

services.locate.pruneBindMounts

Whether not to index bind mounts

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/misc/locate.nix>

services.locate.pruneFS

Which filesystem types to exclude from indexing

Type: list of string

Default:

```
[
  "afs"
  "anon_inodefs"
  "auto"
  "autofs"
  "bdev"
  "binfmt"
  "binfmt_misc"
  "ceph"
  "cgroup"
  "cgroup2"
  "cifs"
  "coda"
  "configfs"
  "cramfs"
```

```
"cpuset"
"curlftpfs"
"debugfs"
"devfs"
"devpts"
"devtmpfs"
"eventpollfs"
"exofs"
"futexfs"
"ftpfs"
"fuse"
"fusectl"
"fusesmb"
"fuse.ceph"
"fuse.glusterfs"
"fuse.gvfsd-fuse"
"fuse.mfs"
"fuse.rclone"
"fuse.rozofs"
"fuse.sshfs"
"gfs"
"gfs2"
"hostfs"
"hugetlbfs"
"inotifyfs"
"iso9660"
"jffs2"
"lustre"
"lustre_lite"
"misc"
"mfs"
"mqueue"
"ncpfs"
"nfs"
"NFS"
"nfs4"
"nfsd"
"nnpfs"
"ocfs"
"ocfs2"
"pipefs"
"proc"
"ramfs"
"rpc_pipefs"
"securityfs"
"selinuxfs"
"sfs"
"shfs"
"smbfs"
"sockfs"
"spufs"
"sshfs"
"subfs"
```

```
  "supermount"
  "sysfs"
  "tmpfs"
  "tracefs"
  "ubifs"
  "udev"
  "udf"
  "usbfs"
  "vboxsf"
  "vperfctrfs"
]
```

Declared by:
<nixpkgs/nixos/modules/misc/locate.nix>

services.locate.pruneNames
Directory components which should exclude paths containing them from indexing

Type: list of string

Default: [".bzr" ".cache" ".git" ".hg" ".svn"], if supported by the locate implementation (i.e. mlocate or plocate).

Declared by:
<nixpkgs/nixos/modules/misc/locate.nix>

services.locate.prunePaths
Which paths to exclude from indexing

Type: list of absolute path

Default:

```
[
  "/tmp"
  "/var/tmp"
  "/var/cache"
  "/var/lock"
  "/var/run"
  "/var/spool"
  "/nix/store"
  "/nix/var/log/nix"
]
```

Declared by:
<nixpkgs/nixos/modules/misc/locate.nix>

services.logcheck.enable
Whether to enable logcheck cron job, to mail anomalies in the system logfiles to the administrator.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/logging/logcheck.nix>

services.logcheck.config
Config options that you would like in logcheck.conf.

Type: strings concatenated with “\n”

Default:

```
"FQDN=1"
```

Declared by:
<nixpkgs/nixos/modules/services/logging/logcheck.nix>

services.logcheck.extraGroups
Extra groups for the logcheck user, for example to be able to use sendmail, or to access certain log files.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "postdrop"
  "mongodb"
]
```

Declared by:
<nixpkgs/nixos/modules/services/logging/logcheck.nix>

services.logcheck.extraRulesDirs
Directories with extra rules.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[
  "/etc/logcheck"
]
```

Declared by:
<nixpkgs/nixos/modules/services/logging/logcheck.nix>

services.logcheck.files
Which log files to check.

Type: list of absolute path

Default:

```
[
  "/var/log/messages"
]
```

Example:

```
[
  "/var/log/messages"
  "/var/log/mail"
```

```
]
```

Declared by:

<nixpkgs/nixos/modules/services/logging/logcheck.nix>

services.logcheck.ignore

This option defines extra ignore rules.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/logging/logcheck.nix>

services.logcheck.ignore.<name>.level

Set the logcheck level.

Type: one of “workstation”, “server”, “paranoid”

Default:

```
"server"
```

Declared by:

<nixpkgs/nixos/modules/services/logging/logcheck.nix>

services.logcheck.ignore.<name>.regex

Regex specifying which log lines to ignore.

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/logging/logcheck.nix>

services.logcheck.ignoreCron

This option defines extra ignore rules for cronjobs.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/logging/logcheck.nix>

services.logcheck.ignoreCron.<name>.cmdline

Command line for the cron job. Will be turned into a regex for the logcheck ignore rule.

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/logging/logcheck.nix>

services.logcheck.ignoreCron.<name>.timeArgs

“min hr dom mon dow” crontab time args, to auto−create a cronjob too. Leave at null to not do this and just add a logcheck ignore rule.

Type: null or string

Default:

```
null
```

Example:

```
"02 06 * * *"
```

Declared by:

<nixpkgs/nixos/modules/services/logging/logcheck.nix>

services.logcheck.ignoreCron.<name>.user

User that runs the cronjob.

Type: string

Default:

```
"root"
```

Declared by:

<nixpkgs/nixos/modules/services/logging/logcheck.nix>

services.logcheck.level

Set the logcheck level. Either “workstation”, “server”, or “paranoid”.

Type: string

Default:

```
"server"
```

Declared by:

<nixpkgs/nixos/modules/services/logging/logcheck.nix>

services.logcheck.mailTo

Email address to send reports to.

Type: string

Default:

```
"root"
```

Example:

```
"you@domain.com"
```

Declared by:

<nixpkgs/nixos/modules/services/logging/logcheck.nix>

services.logcheck.timeOfDay

Time of day to run logcheck. A logcheck will be scheduled at xx:02 each day. Leave default (*) to run every hour. Of course when nothing special was logged, logcheck will be silent.

Type: string

Default:

```
"*"
```

Example:

```
"6"
```

Declared by:
<nixpkgs/nixos/modules/services/logging/logcheck.nix>

services.logcheck.user
Username for the logcheck user.

Type: string

Default:

```
"logcheck"
```

Declared by:
<nixpkgs/nixos/modules/services/logging/logcheck.nix>

services.logind.enable
Whether to enable the ‘systemd−logind’ login service.

Type: boolean

Default:

```
config.systemd.package.withLogind
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/logind.nix>

services.logind.settings.Login
Settings option for systemd−logind. See **logind.conf**(5) for available options.

Type: open submodule of attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  HandleLidSwitch = "ignore";
  KillUserProcesses = false;
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/logind.nix>

services.logind.settings.Login.KillUserProcesses
Specifies whether the processes of a user should be killed when the user logs out. If true, the scope unit corresponding to the session and all processes inside that scope will be terminated. If false, the scope is “abandoned” (see **systemd.scope**(5)), and processes are not killed.

See **logind.conf**(5) for more details.

Defaulted to false in nixpkgs because many tools that rely on persistent user processes—like ‘tmux’, ‘screen’, ‘mosh’, ‘VNC’, ‘nohup’, and more — would break by the systemd−default behavior.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/logind.nix>

services.logkeys.enable
Whether to enable logkeys, a keylogger service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/logkeys.nix>

services.logkeys.device
Use the given device as keyboard input event device instead of /dev/input/eventX default.

Type: null or string

Default:

```
null
```

Example:

```
"/dev/input/event15"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/logkeys.nix>

services.logmein−hamachi.enable
Whether to enable LogMeIn Hamachi, a proprietary (closed source) commercial VPN software.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/logmein−hamachi.nix>

services.logrotate.enable
Whether to enable the logrotate systemd service.

Type: boolean

Default:

```
cfg.settings != {}
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/logging/logrotate.nix>

services.logrotate.allowNetworking
Whether to enable network access for logrotate.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/logging/logrotate.nix>

services.logrotate.checkConfig
Whether the config should be checked at build time.

Some options are not checkable at build time because of the build sandbox: for example, the test does not know about existing files and system users are not known. These limitations mean we must adjust the file for tests (missingok is forced and users are replaced by dummy users), so tests are complemented by a logrotate−checkconf service that is enabled by default. This extra check can be disabled by disabling it at the systemd level with the **systemd.services.logrotate−checkconf.enable** option.

Conversely there are still things that might make this check fail incorrectly (e.g. a file path where we don't have access to intermediate directories): in this case you can disable the failing check with this option.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/logging/logrotate.nix>

services.logrotate.configFile
Override the configuration file used by logrotate. By default, NixOS generates one automatically from **services.logrotate.settings**.

Type: absolute path

Default:

```
A configuration file automatically generated by NixOS.
```

Example:

```
pkgs.writeText "logrotate.conf" ''
  missingok
  "/var/log/*.log" {
    rotate 4
    weekly
  }
```

Declared by:
<nixpkgs/nixos/modules/services/logging/logrotate.nix>

services.logrotate.extraArgs
Additional command line arguments to pass on logrotate invocation

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/logging/logrotate.nix>

services.logrotate.settings

logrotate freeform settings: each attribute here will define its own section, ordered by **services.logrotate.settings.<name>.priority**, which can either define files to rotate with their settings or settings common to all further files settings. All attribute names not explicitly defined as sub−options here are passed through as logrotate config directives, refer to **https://linux.die.net/man/8/logrotate** for details.

Type: attribute set of (open submodule of attribute set of (null or signed integer or boolean or string))

Default:

```
{ }
```

Example:

```
{
  # global options
  header = {
    dateext = true;
  };
  # example custom files
  "/var/log/mylog.log" = {
    frequency = "daily";
    rotate = 3;
  };
  "multiple paths" = {
     files = [
      "/var/log/first*.log"
      "/var/log/second.log"
    ];
  };
  # specify custom order of sections
  "/var/log/myservice/*.log" = {
    # ensure lower priority
    priority = 110;
    postrotate = ''
      systemctl reload myservice
    '';
  };
};
```

Declared by:

<nixpkgs/nixos/modules/services/logging/logrotate.nix>

services.logrotate.settings.<name>.enable

Whether to enable setting individual kill switch.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/logging/logrotate.nix>

services.logrotate.settings.<name>.files

Single or list of files for which rules are defined. The files are quoted with double−quotes in logrotate configuration, so globs and spaces are supported. Note this setting is ignored if globals is true.

Type: string or list of string

Default:

```
The attrset name if not specified
```

Declared by:

<nixpkgs/nixos/modules/services/logging/logrotate.nix>

services.logrotate.settings.<name>.frequency

How often to rotate the logs. Defaults to previously set global setting, which itself defaults to weekly.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/logging/logrotate.nix>

services.logrotate.settings.<name>.global

Whether this setting is a global option or not: set to have these settings apply to all files settings with a higher priority.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/logging/logrotate.nix>

services.logrotate.settings.<name>.priority

Order of this logrotate block in relation to the others. The semantics are the same as with ‘lib.mkOrder’. Smaller values are inserted first.

Type: signed integer

Default:

```
1000
```

Declared by:

<nixpkgs/nixos/modules/services/logging/logrotate.nix>

services.logstash.enable

Enable logstash.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/logging/logstash.nix>

services.logstash.package

The logstash package to use.

Type: package

Default:

```
pkgs.logstash
```

Declared by:

<nixpkgs/nixos/modules/services/logging/logstash.nix>

services.logstash.dataDir

A path to directory writable by logstash that it uses to store data. Plugins will also have access to this path.

Type: string

Default:

```
"/var/lib/logstash"
```

Declared by:

<nixpkgs/nixos/modules/services/logging/logstash.nix>

services.logstash.extraJvmOptions

Extra JVM options, one per line (jvm.options format).

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
-Xms2g
-Xmx2g
```

Declared by:

<nixpkgs/nixos/modules/services/logging/logstash.nix>

services.logstash.extraSettings

Extra Logstash settings in YAML format.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
pipeline:
  batch:
    size: 125
    delay: 5
```

Declared by:

<nixpkgs/nixos/modules/services/logging/logstash.nix>

services.logstash.filterConfig

logstash filter configuration.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
      if [type] == "syslog" {
        # Keep only relevant systemd fields
        # https://www.freedesktop.org/software/systemd/man/systemd.jour \
    nal-fields.html
        prune {
          whitelist_names => [
            "type", "@timestamp", "@version",
            "MESSAGE", "PRIORITY", "SYSLOG_FACILITY"
          ]
        }
      }
```

Declared by:

<nixpkgs/nixos/modules/services/logging/logstash.nix>

services.logstash.filterWorkers

The quantity of filter workers to run.

Type: signed integer

Default:

```
1
```

Declared by:

<nixpkgs/nixos/modules/services/logging/logstash.nix>

services.logstash.inputConfig

Logstash input configuration.

Type: strings concatenated with “\n”

Default:

```
"generator { }"
```

Example:

```
      # Read from journal
      pipe {
        command => "${config.systemd.package}/bin/journalctl -f -o js \
    on"
        type => "syslog" codec => json {}
      }
```

Declared by:

<nixpkgs/nixos/modules/services/logging/logstash.nix>

services.logstash.listenAddress

Address on which to start webserver.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/logging/logstash.nix>

services.logstash.logLevel

Logging verbosity level.

Type: one of “debug”, “info”, “warn”, “error”, “fatal”

Default:

```
"warn"
```

Declared by:

<nixpkgs/nixos/modules/services/logging/logstash.nix>

services.logstash.outputConfig

Logstash output configuration.

Type: strings concatenated with “\n”

Default:

```
"stdout { codec => rubydebug }"
```

Example:

```
  redis { host => ["localhost"] data_type => "list" key => "logstas \
h" codec => json }
  elasticsearch { }
```

Declared by:

<nixpkgs/nixos/modules/services/logging/logstash.nix>

services.logstash.plugins

The paths to find other logstash plugins in.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[ pkgs.logstash-contrib ]
```

Declared by:

<nixpkgs/nixos/modules/services/logging/logstash.nix>

services.logstash.port

Port on which to start webserver.

Type: string

Default:

```
"9292"
```

Declared by:

<nixpkgs/nixos/modules/services/logging/logstash.nix>

services.loki.enable

Whether to enable Grafana Loki.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/loki.nix>

services.loki.package
The grafana−loki package to use.

Type: package

Default:

```
pkgs.grafana−loki
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/loki.nix>

services.loki.configFile
Specify a configuration file that Loki should use.

Cannot be specified together with **services.loki.configuration**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/loki.nix>

services.loki.configuration
Specify the configuration for Loki in Nix.

See **documentation of Grafana Loki** for all available options.

Cannot be specified together with **services.loki.configFile**.

Type: JSON value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/loki.nix>

services.loki.dataDir
Specify the data directory for Loki.

Type: absolute path

Default:

```
"/var/lib/loki"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/loki.nix>

services.loki.extraFlags
Specify a list of additional command line flags, which get escaped and are then passed to Loki.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "−−server.http−listen−port=3101"
```

```
]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/loki.nix>

services.loki.group
Group under which the Loki service runs.

Type: string

Default:

```
"loki"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/loki.nix>

services.loki.user
User under which the Loki service runs.

Type: string

Default:

```
"loki"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/loki.nix>

services.lokinet.enable
Whether to enable Lokinet daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/lokinet.nix>

services.lokinet.package
The lokinet package to use.

Type: package

Default:

```
pkgs.lokinet
```

Declared by:
<nixpkgs/nixos/modules/services/networking/lokinet.nix>

services.lokinet.settings
Configuration for Lokinet. Currently, the best way to view the available settings is by generating a config file using ‘lokinet −g’.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string) or a list of them for duplicate keys)

Default:

```
{ }
```

Example:

```
{
  dns = {
    bind = "127.3.2.1";
    upstream = [ "1.1.1.1" "8.8.8.8" ];
  };
  network.exit-node = [ "example.loki" "example2.loki" ];
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/lokinet.nix>

services.lokinet.settings.dns.bind
Address to bind to for handling DNS requests.

Type: string

Default:

```
"127.3.2.1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/lokinet.nix>

services.lokinet.settings.dns.upstream
Upstream resolver(s) to use as fallback for non-loki addresses. Multiple values accepted.

Type: list of string

Default:

```
[
  "9.9.9.10"
]
```

Example:

```
[
  "1.1.1.1"
  "8.8.8.8"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/lokinet.nix>

services.lokinet.settings.network.exit
Whether to act as an exit node. Beware that this increases demand on the server and may pose liability concerns. Enable at your own risk.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/lokinet.nix>

services.lokinet.settings.network.exit-node
Specify a '.loki' address and an optional ip range to use as an exit broker. See **http://probably.loki/wiki/index.php?title=Exit_Nodes** for a list of exit nodes.

Type: null or (list of string)

Default:

```
null
```

Example:

```
  exit-node = [ "example.loki" ];              # maps all exit tra \
ffic to example.loki
  exit-node = [ "example.loki:100.0.0.0/24" ]; # maps 100.0.0.0/24 \
 to example.loki
```

Declared by:
<nixpkgs/nixos/modules/services/networking/lokinet.nix>

services.lokinet.settings.network.keyfile
The private key to persist address with. If not specified the address will be ephemeral. This keyfile is generated automatically if the specified file doesn't exist.

Type: null or string

Default:

```
null
```

Example:

```
"snappkey.private"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/lokinet.nix>

services.lokinet.useLocally
Whether to use Lokinet locally.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/lokinet.nix>

services.longview.enable
If enabled, system metrics will be sent to Linode LongView.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/longview.nix>

services.longview.apacheStatusUrl
The Apache status page URL. If provided, Longview will gather statistics from this location. This requires Apache mod_status to be loaded and enabled.

Type: string

Default:

```
""
```

Example:

```
"http://127.0.0.1/server-status"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/longview.nix>

services.longview.apiKey
Longview API key. To get this, look in Longview settings which are found at **https://manager.linode.com/longview/**.

Warning: this secret is stored in the world−readable Nix store! Use **apiKeyFile** instead.

Type: string

Default:

```
""
```

Example:

```
"01234567-89AB-CDEF-0123456789ABCDEF"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/longview.nix>

services.longview.apiKeyFile
A file containing the Longview API key. To get this, look in Longview settings which are found at **https://manager.linode.com/longview/**.

apiKeyFile takes precedence over **apiKey**.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/longview-api-key"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/longview.nix>

services.longview.mysqlPassword
The password corresponding to **mysqlUser**. Warning: this is stored in cleartext in the Nix store! Use **mysqlPasswordFile** instead.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/longview.nix>

services.longview.mysqlPasswordFile
A file containing the password corresponding to **mysqlUser**.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/dbpassword"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/longview.nix>

services.longview.mysqlUser
The user for connecting to the MySQL database. If provided, Longview will connect to MySQL and collect statistics about queries, etc. This user does not need to have been granted any extra privileges.

Type: string

Default:
```
""
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/longview.nix>

services.longview.nginxStatusUrl
The Nginx status page URL. Longview will gather statistics from this URL. This requires the Nginx stub_status module to be enabled and configured at the given location.

Type: string

Default:
```
""
```

Example:
```
"http://127.0.0.1/nginx_status"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/longview.nix>

services.lorri.enable
Enables the daemon for ‘lorri’, a nix−shell replacement for project development. The socket−activated daemon starts on the first request issued by the ‘lorri’ command.

Type: boolean

Default:
```
false
```

Declared by:
<nixpkgs/nixos/modules/services/development/lorri.nix>

services.lorri.package
The lorri package to use.

Type: package

Default:
```
pkgs.lorri
```

Declared by:
<nixpkgs/nixos/modules/services/development/lorri.nix>

services.lubelogger.enable
Whether to enable LubeLogger, a self−hosted, open−source, web−based vehicle maintenance and fuel milage tracker.

Type: boolean

Default:
```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lubelogger.nix>

services.lubelogger.package
The lubelogger package to use.

Type: package

Default:

```
pkgs.lubelogger
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lubelogger.nix>

services.lubelogger.dataDir
Path to LubeLogger config and metadata inside of '/var/lib/'.

Type: string

Default:

```
"lubelogger"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lubelogger.nix>

services.lubelogger.environmentFile
Path to a file containing extra LubeLogger config options in the systemd 'EnvironmentFile' format. Refer to the **documentation** for supported options.

This can be used to pass secrets to LubeLogger without putting them in the Nix store.

For example, to set an SMTP password, point 'environmentFile' at a file containing:

```
MailConfig__Password=<pass>
```

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/lubelogger"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lubelogger.nix>

services.lubelogger.group
Group under which LubeLogger runs.

Type: string

Default:

```
"lubelogger"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/lubelogger.nix>

services.lubelogger.openFirewall

Open ports in the firewall for the LubeLogger web interface.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/lubelogger.nix>

services.lubelogger.port

The TCP port LubeLogger will listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5000
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/lubelogger.nix>

services.lubelogger.settings

Additional configuration for LubeLogger, see **https://docs.lubelogger.com/Environment Variables** for supported values.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  LUBELOGGER_ALLOWED_FILE_EXTENSIONS = "";
  LUBELOGGER_LOGO_URL = "";
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/lubelogger.nix>

services.lubelogger.user

User account under which LubeLogger runs.

Type: string

Default:

```
"lubelogger"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/lubelogger.nix>

services.lvm.enable

Whether to enable lvm2.

Note

The lvm2 package contains device−mapper udev rules and without those tools like cryptsetup do not fully function!

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/tasks/lvm.nix>

services.lvm.boot.thin.enable
Whether to enable support for booting from ThinLVs.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/tasks/lvm.nix>

services.lvm.boot.vdo.enable
Whether to enable support for booting from VDOLVs.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/tasks/lvm.nix>

services.lvm.dmeventd.enable
Whether to enable the LVM dmevent daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/tasks/lvm.nix>

services.lvm.resizeHelper.enable
Whether to enable lvresize_fs_helper.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/tasks/lvm.nix>

services.lxd−image−server.enable
Whether to enable lxd−image−server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/lxd−image−server.nix>

services.lxd−image−server.group
Group assigned to the user and the webroot directory.

Type: string

Default:

```
"nginx"
```

Example:

```
"www−data"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/lxd−image−server.nix>

services.lxd−image−server.nginx.enable
Whether to enable nginx.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/lxd−image−server.nix>

services.lxd−image−server.nginx.domain
Domain to use for nginx virtual host.

Type: string

Example:

```
"images.example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/lxd−image−server.nix>

services.lxd−image−server.settings
Configuration for lxd−image−server.

Example see **https://github.com/Avature/lxd−image−server/blob/master/config.toml**.

Type: TOML value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/lxd−image−server.nix>

services.mackerel−agent.enable
Whether to enable mackerel.io agent.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/mackerel−agent.nix>

services.mackerel−agent.apiKeyFile
Path to file containing the Mackerel API key. The file should contain a single line of the following form:

‘apikey = "EXAMPLE_API_KEY"’

Type: absolute path

Example:

```
"/run/keys/mackerel−api−key"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/mackerel−agent.nix>

services.mackerel−agent.autoRetirement
Whether to enable retiring the host upon OS shutdown .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/mackerel−agent.nix>

services.mackerel−agent.runAsRoot
Whether to enable running as root.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/mackerel−agent.nix>

services.mackerel−agent.settings

Options for mackerel−agent.conf.

Documentation: **https://mackerel.io/docs/entry/spec/agent**

Type: open submodule of (TOML value)

Default:

```
{ }
```

Example:

```
{
  silent = false;
  verbose = false;
}
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/mackerel−agent.nix>

services.mackerel−agent.settings.diagnostic

Whether to enable collecting memory usage for the agent itself.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/mackerel−agent.nix>

services.mackerel−agent.settings.host_status.on_start

Host status after agent startup.

Type: one of “working”, “standby”, “maintenance”, “poweroff”

Default:

```
"working"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/mackerel−agent.nix>

services.mackerel−agent.settings.host_status.on_stop

Host status after agent shutdown.

Type: one of “working”, “standby”, “maintenance”, “poweroff”

Default:

```
"poweroff"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/mackerel−agent.nix>

services.maddy.enable

Whether to enable Maddy, a free an open source mail server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/maddy.nix>

services.maddy.package
The maddy package to use.

Type: package

Default:

```
pkgs.maddy
```

Declared by:
<nixpkgs/nixos/modules/services/mail/maddy.nix>

services.maddy.config
Server configuration, see **https://maddy.email** for more information. The default configuration of this module will setup minimal Maddy instance for mail transfer without TLS encryption.

Note
This should not be used in a production environment.

Type: null or strings concatenated with "\n"

Default:

```
  # Minimal configuration with TLS disabled, adapted from upstream  \
example
  # configuration here https://github.com/foxcpp/maddy/blob/master/ \
maddy.conf
  # Do not use this in production!

  auth.pass_table local_authdb {
    table sql_table {
      driver sqlite3
      dsn credentials.db
      table_name passwords
    }
  }

  storage.imapsql local_mailboxes {
    driver sqlite3
    dsn imapsql.db
  }

  table.chain local_rewrites {
    optional_step regexp "(.+)\+(.+)@(.+)" "$1@$3"
    optional_step static {
      entry postmaster postmaster@$(primary_domain)
    }
    optional_step file /etc/maddy/aliases
  }

  msgpipeline local_routing {
    destination postmaster $(local_domains) {
      modify {
```

```
      replace_rcpt &local_rewrites
    }
    deliver_to &local_mailboxes
  }
  default_destination {
    reject 550 5.1.1 "User doesn't exist"
  }
}

smtp tcp://0.0.0.0:25 {
  limits {
    all rate 20 1s
    all concurrency 10
  }
  dmarc yes
  check {
    require_mx_record
    dkim
    spf
  }
  source $(local_domains) {
    reject 501 5.1.8 "Use Submission for outgoing SMTP"
  }
  default_source {
    destination postmaster $(local_domains) {
      deliver_to &local_routing
    }
    default_destination {
      reject 550 5.1.1 "User doesn't exist"
    }
  }
}

submission tcp://0.0.0.0:587 {
  limits {
    all rate 50 1s
  }
  auth &local_authdb
  source $(local_domains) {
    check {
        authorize_sender {
            prepare_email &local_rewrites
            user_to_email identity
        }
    }
    destination postmaster $(local_domains) {
        deliver_to &local_routing
    }
    default_destination {
        modify {
            dkim $(primary_domain) $(local_domains) default
        }
        deliver_to &remote_queue
```

```
      }
    }
    default_source {
      reject 501 5.1.8 "Non-local sender domain"
    }
  }

  target.remote outbound_delivery {
    limits {
      destination rate 20 1s
      destination concurrency 10
    }
    mx_auth {
      dane
      mtasts {
        cache fs
        fs_dir mtasts_cache/
      }
      local_policy {
          min_tls_level encrypted
          min_mx_level none
      }
    }
  }

  target.queue remote_queue {
    target &outbound_delivery
    autogenerated_msg_domain $(primary_domain)
    bounce {
      destination postmaster $(local_domains) {
        deliver_to &local_routing
      }
      default_destination {
          reject 550 5.0.0 "Refusing to send DSNs to non-local add \
resses"
      }
    }
  }

  imap tcp://0.0.0.0:143 {
    auth &local_authdb
    storage &local_mailboxes
  }
```

Declared by:

<nixpkgs/nixos/modules/services/mail/maddy.nix>

services.maddy.ensureAccounts

List of IMAP accounts which get automatically created. Note that for a complete setup, user credentials for these accounts are required and can be created using the ‘ensureCredentials’ option. This option does not delete accounts which are not (anymore) listed.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "user1@localhost"
  "user2@localhost"
]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/maddy.nix>

services.maddy.ensureCredentials
List of user accounts which get automatically created if they don't exist yet. Note that for a complete setup, corresponding mail boxes have to get created using the 'ensureAccounts' option. This option does not delete accounts which are not (anymore) listed.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "user1@localhost" = {
    passwordFile = "/secrets/user1-localhost";
  };
  "user2@localhost" = {
    passwordFile = "/secrets/user2-localhost";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/mail/maddy.nix>

services.maddy.ensureCredentials.<name>.passwordFile
Specifies the path to a file containing the clear text password for the user.

Type: absolute path

Default:

```
null
```

Example:

```
"/path/to/file"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/maddy.nix>

services.maddy.group
Group account under which maddy runs.

Note
If left as the default value this group will automatically be created on system activation, otherwise the sysadmin is responsible for ensuring the group exists before the maddy service starts.

Type: string

Default:

```
"maddy"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/maddy.nix>

services.maddy.hostname
Hostname to use. It should be FQDN.

Type: string

Default:

```
"localhost"
```

Example:

```
"example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/maddy.nix>

services.maddy.localDomains
Define list of allowed domains.

Type: list of string

Default:

```
[
  "$(primary_domain)"
]
```

Example:

```
[
  "$(primary_domain)"
  "example.com"
  "other.example.com"
]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/maddy.nix>

services.maddy.openFirewall
Open the configured incoming and outgoing mail server ports.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/mail/maddy.nix>

services.maddy.primaryDomain
Primary MX domain to use. It should be FQDN.

Type: string

Default:

```
"localhost"
```

Example:

```
"mail.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/maddy.nix>

services.maddy.secrets
A list of files containing the various secrets. Should be in the format expected by systemd's 'EnvironmentFile' directory. Secrets can be referenced in the format '{env:VAR}'.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/maddy.nix>

services.maddy.tls.certificates
A list of attribute sets containing paths to TLS certificates and keys. Maddy will use SNI if multiple pairs are selected.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[{
  keyPath = "/etc/ssl/mx1.example.org.key";
  certPath = "/etc/ssl/mx1.example.org.crt";
}]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/maddy.nix>

services.maddy.tls.certificates.*.certPath
Path to the certificate used for TLS.

Type: absolute path

Example:

```
"/etc/ssl/mx1.example.org.crt"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/maddy.nix>

services.maddy.tls.certificates.*.keyPath
Path to the private key used for TLS.

Type: absolute path

Example:

```
"/etc/ssl/mx1.example.org.key"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/maddy.nix>

services.maddy.tls.extraConfig
Arguments for the specified certificate loader.

In case the 'tls' loader is set, the defaults are considered secure and there is no need to change anything in most cases. For available options see **upstream manual**.

For ACME configuration, see **following page**.

Type: null or strings concatenated with "\n"

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/mail/maddy.nix>

services.maddy.tls.loader

TLS certificates are obtained by modules called “certificate loaders”.

The ‘file’ loader module reads certificates from files specified by the ‘certificates’ option.

Alternatively the ‘acme’ module can be used to automatically obtain certificates using the ACME protocol.

Module configuration is done via the ‘tls.extraConfig’ option.

Secrets such as API keys or passwords should not be supplied in plaintext. Instead the ‘secrets’ option can be used to read secrets at runtime as environment variables. Secrets can be referenced with ‘{env:VAR}’.

Type: null or one of “off”, “file”, “acme”

Default:

```
"off"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/maddy.nix>

services.maddy.user

User account under which maddy runs.

Note
If left as the default value this user will automatically be created on system activation, otherwise the sysadmin is responsible for ensuring the user exists before the maddy service starts.

Type: string

Default:

```
"maddy"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/maddy.nix>

services.magic−wormhole−mailbox−server.enable

Whether to enable Magic Wormhole Mailbox Server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/magic−wormhole−mailbox−server.nix>

services.magnetico.enable

Whether to enable Magnetico, Bittorrent DHT crawler.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/magnetico.nix>

services.magnetico.crawler.address
Address to be used for indexing DHT nodes.

Type: string

Default:

```
"0.0.0.0"
```

Example:

```
"1.2.3.4"
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/magnetico.nix>

services.magnetico.crawler.extraOptions
Extra command line arguments to pass to magneticod.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/magnetico.nix>

services.magnetico.crawler.maxLeeches
Maximum number of simultaneous leeches.

Type: positive integer, meaning >0

Default:

```
200
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/magnetico.nix>

services.magnetico.crawler.maxNeighbors
Maximum number of simultaneous neighbors of an indexer. Be careful changing this number: high values can very easily cause your network to be congested or even crash your router.

Type: positive integer, meaning >0

Default:

```
1000
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/magnetico.nix>

services.magnetico.crawler.port
Port to be used for indexing DHT nodes. This port should be added to **networking.firewall.allowedTCPPorts**.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

Declared by:
<nixpkgs/nixos/modules/services/torrent/magnetico.nix>

services.magnetico.web.address
Address the web interface will listen to.

Type: string

Default:

```
"localhost"
```

Example:

```
"1.2.3.4"
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/magnetico.nix>

services.magnetico.web.credentials
The credentials to access the web interface, in case authentication is enabled, in the format 'username:hash'. If unset no authentication will be required.

Usernames must start with a lowercase ([a−z]) ASCII character, might contain non−consecutive underscores except at the end, and consists of small−case a−z characters and digits 0−9. The **htpasswd** tool from the 'apacheHttpd' package may be used to generate the hash: **htpasswd −bnBC 12 username password**

Warning
The hashes will be stored world−readable in the nix store. Consider using the 'credentialsFile' option if you don't want this.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  myuser = "$2y$12$YE01LZ8jrbQbx6c0s2hdZO71dSjn2p/O9XsYJpz.5968yCys \
UgiaG";
}
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/magnetico.nix>

services.magnetico.web.credentialsFile
The path to the file holding the credentials to access the web interface. If unset no authentication will be required.

The file must contain user names and password hashes in the format 'username:hash', one for each line. Usernames must start with a lowecase ([a−z]) ASCII character, might contain non−consecutive underscores except at the end, and consists of small−case a−z characters and digits 0−9. The **htpasswd** tool from the 'apacheHttpd' package may be used to generate the hash: **htpasswd −bnBC 12 username password**

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/magnetico.nix>

services.magnetico.web.extraOptions
Extra command line arguments to pass to magneticow.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/magnetico.nix>

services.magnetico.web.port
Port the web interface will listen to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/magnetico.nix>

services.mail.sendmailSetuidWrapper.enable
Whether to enable the wrapper.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/security/wrappers/default.nix>

services.mail.sendmailSetuidWrapper.capabilities
A comma−separated list of capability clauses to be given to the wrapper program. The format for capability clauses is described in the “TEXTUAL REPRESENTATION” section of the **cap_from_text**(3) manual page. For a list of capabilities supported by the system, check the **capabilities**(7) manual page.

Note
‘cap_setpcap’, which is required for the wrapper program to be able to raise caps into the Ambient set is NOT raised to the Ambient set so that the real program cannot modify its own capabilities!! This may be too restrictive for cases in which the real program needs cap_setpcap but it at least leans on the side security paranoid vs. too relaxed.

Type: strings concatenated with “,”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/security/wrappers/default.nix>

services.mail.sendmailSetuidWrapper.group
The group of the wrapper program.

Type: string

Declared by:
<nixpkgs/nixos/modules/security/wrappers/default.nix>

services.mail.sendmailSetuidWrapper.owner
The owner of the wrapper program.

Type: string

Declared by:
<nixpkgs/nixos/modules/security/wrappers/default.nix>

services.mail.sendmailSetuidWrapper.permissions
The permissions of the wrapper program. The format is that of a symbolic or numeric file mode understood by **chmod**.

Type: file mode string

Default:

```
"u+rx,g+x,o+x"
```

Example:

```
"a+rx"
```

Declared by:
<nixpkgs/nixos/modules/security/wrappers/default.nix>

services.mail.sendmailSetuidWrapper.program
The name of the wrapper program. Defaults to the attribute name.

Type: null or string

Default:

```
"‹name›"
```

Declared by:
<nixpkgs/nixos/modules/security/wrappers/default.nix>

services.mail.sendmailSetuidWrapper.setgid
Whether to add the setgid bit the wrapper program.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/wrappers/default.nix>

services.mail.sendmailSetuidWrapper.setuid
Whether to add the setuid bit the wrapper program.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/wrappers/default.nix>

services.mail.sendmailSetuidWrapper.source

The absolute path to the program to be wrapped.

Type: absolute path

Declared by:

<nixpkgs/nixos/modules/security/wrappers/default.nix>

services.mailcatcher.enable

Whether to enable MailCatcher, an SMTP server and web interface to locally test outbound emails.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/mail/mailcatcher.nix>

services.mailcatcher.http.ip

The ip address of the http server.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/mailcatcher.nix>

services.mailcatcher.http.path

Prefix to all HTTP paths.

Type: null or string

Default:

```
null
```

Example:

```
"/mailcatcher"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/mailcatcher.nix>

services.mailcatcher.http.port

The port address of the http server.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
1080
```

Declared by:

<nixpkgs/nixos/modules/services/mail/mailcatcher.nix>

services.mailcatcher.smtp.ip

The ip address of the smtp server.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/mailcatcher.nix>

services.mailcatcher.smtp.port

The port address of the smtp server.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
1025
```

Declared by:

<nixpkgs/nixos/modules/services/mail/mailcatcher.nix>

services.mailhog.enable

Whether to enable MailHog, web and API based SMTP testing.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/mail/mailhog.nix>

services.mailhog.apiPort

Port on which the API endpoint will listen.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8025
```

Declared by:

<nixpkgs/nixos/modules/services/mail/mailhog.nix>

services.mailhog.extraArgs

List of additional arguments to pass to the MailHog process.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/mail/mailhog.nix>

services.mailhog.setSendmail

Whether to enable set the system sendmail to mailhogs's.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/mail/mailhog.nix>

services.mailhog.smtpPort

Port on which the SMTP endpoint will listen.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
1025
```

Declared by:

<nixpkgs/nixos/modules/services/mail/mailhog.nix>

services.mailhog.storage

Store mails on disk or in memory.

Type: one of "maildir", "memory"

Default:

```
"memory"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/mailhog.nix>

services.mailhog.uiPort

Port on which the HTTP UI will listen.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8025
```

Declared by:

<nixpkgs/nixos/modules/services/mail/mailhog.nix>

services.mailman.enable

Enable Mailman on this host. Requires an active MTA on the host (e.g. Postfix).

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/mail/mailman.nix>

services.mailman.enablePostfix

Enable Postfix integration. Requires an active Postfix installation.

If you want to use another MTA, set this option to false and configure settings in services.mailman.settings.mta.

Refer to the Mailman manual for more info.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/mail/mailman.nix>

services.mailman.packageSet

The mailmanPackages package to use.

Type: attribute set

Default:

```
pkgs.mailmanPackages
```

Declared by:

<nixpkgs/nixos/modules/services/mail/mailman.nix>

services.mailman.hyperkitty.enable

Whether to enable the Hyperkitty archiver for Mailman.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/mail/mailman.nix>

services.mailman.hyperkitty.baseUrl

Where can Mailman connect to Hyperkitty's internal API, preferably on localhost?

Type: string

Default:

```
"http://localhost:18507/archives/"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/mailman.nix>

services.mailman.ldap.enable

Whether to enable LDAP auth.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/mailman.nix>

services.mailman.ldap.attrMap.email
LDAP−attribute that corresponds to the ‘email’−attribute in mailman.

Type: string

Default:

```
"mail"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/mailman.nix>

services.mailman.ldap.attrMap.firstName
LDAP−attribute that corresponds to the ‘firstName’−attribute in mailman.

Type: string

Default:

```
"givenName"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/mailman.nix>

services.mailman.ldap.attrMap.lastName
LDAP−attribute that corresponds to the ‘lastName’−attribute in mailman.

Type: string

Default:

```
"sn"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/mailman.nix>

services.mailman.ldap.attrMap.username
LDAP−attribute that corresponds to the ‘username’−attribute in mailman.

Type: string

Default:

```
"uid"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/mailman.nix>

services.mailman.ldap.bindDn
Service account to bind against.

Type: string

Example:

```
"cn=root,dc=nixos,dc=org"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/mailman.nix>

services.mailman.ldap.bindPasswordFile

Path to the file containing the bind password of the service account defined by **services.mailman.ldap.bindDn**.

Type: string

Example:

```
"/run/secrets/ldap-bind"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/mailman.nix>

services.mailman.ldap.groupSearch.ou

Organizational unit to look up a group.

Type: string

Example:

```
"ou=groups,dc=nixos,dc=org"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/mailman.nix>

services.mailman.ldap.groupSearch.query

Query to find a group associated to a user in the LDAP database.

Type: string

Example:

```
"(objectClass=groupOfNames)"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/mailman.nix>

services.mailman.ldap.groupSearch.type

Type of group to perform a group search against.

Type: one of “posixGroup”, “groupOfNames”, “memberDNGroup”, “nestedMemberDNGroup”, “nestedGroupOfNames”, “groupOfUniqueNames”, “nestedGroupOfUniqueNames”, “activeDirectoryGroup”, “nestedActiveDirectoryGroup”, “organizationalRoleGroup”, “nestedOrganizationalRoleGroup”

Default:

```
"posixGroup"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/mailman.nix>

services.mailman.ldap.serverUri

LDAP host to connect against.

Type: string

Example:

```
"ldaps://ldap.host"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/mailman.nix>

services.mailman.ldap.superUserGroup

Group where a user must be a member of to gain superuser rights.

Type: null or string

Default:

```
null
```

Example:

```
"cn=admin,ou=groups,dc=nixos,dc=org"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/mailman.nix>

services.mailman.ldap.userSearch.ou

Organizational unit to look up a user.

Type: string

Example:

```
"ou=users,dc=nixos,dc=org"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/mailman.nix>

services.mailman.ldap.userSearch.query

Query to find a user in the LDAP database.

Type: string

Example:

```
"(&(objectClass=inetOrgPerson)(|(uid=%(user)s)(mail=%(user)s)))"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/mailman.nix>

services.mailman.restApiPassFile

Path to the file containing the value for ‘MAILMAN_REST_API_PASS’.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/mail/mailman.nix>

services.mailman.serve.enable

Whether to enable automatic nginx and uwsgi setup for mailman−web.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/mail/mailman.nix>

services.mailman.serve.uwsgiSettings

Extra configuration to merge into uwsgi config.

Type: JSON value

Default:

```
{ }
```

Example:

```
{
  uwsgi = {
    buffer-size = 8192;
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/mail/mailman.nix>

services.mailman.serve.virtualRoot

Path to mount the mailman-web django application on.

Type: string

Default:

```
"/"
```

Example:

```
/lists
```

Declared by:

<nixpkgs/nixos/modules/services/mail/mailman.nix>

services.mailman.settings

Settings for mailman.cfg

Type: attribute set of attribute set of string

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/mail/mailman.nix>

services.mailman.siteOwner

Certain messages that must be delivered to a human, but which can't be delivered to a list owner (e.g. a bounce from a list owner), will be sent to this address. It should point to a human.

Type: string

Example:

```
"postmaster@example.org"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/mailman.nix>

services.mailman.webHosts

The list of hostnames and/or IP addresses from which the Mailman Web UI will accept requests. By default, "localhost" and "127.0.0.1" are enabled. All additional names under which your web server accepts requests for the UI must be listed here or incoming requests will be rejected.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/mailman.nix>

services.mailman.webSettings
Overrides for the default mailman−web Django settings.

Type: attribute set

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/mail/mailman.nix>

services.mailman.webUser
User to run mailman−web as

Type: string

Default:

```
"mailman-web"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/mailman.nix>

services.mailpit.instances
Configure mailpit instances. The attribute−set values are CLI flags passed to the ‘mailpit’ CLI.

See **upstream docs** for all available options.

Type: attribute set of (open submodule of attribute set of (string or signed integer or boolean))

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/mail/mailpit.nix>

services.mailpit.instances.<name>.database
Specify the local database filename to store persistent data. If ‘null’, a temporary file will be created that will be removed when the application stops. It’s recommended to specify a relative path. The database will be written into the service’s state directory then.

Type: null or string

Default:

```
null
```

Example:

```
"mailpit.db"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/mailpit.nix>

services.mailpit.instances.<name>.listen
HTTP bind interface and port for UI.

Type: string

Default:

```
"127.0.0.1:8025"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/mailpit.nix>

services.mailpit.instances.<name>.max
Maximum number of emails to keep. If the number is exceeded, old emails will be deleted.

Set to ‘0’ to never prune old emails.

Type: unsigned integer, meaning >=0

Default:

```
500
```

Declared by:
<nixpkgs/nixos/modules/services/mail/mailpit.nix>

services.mailpit.instances.<name>.smtp
SMTP bind interface and port.

Type: string

Default:

```
"127.0.0.1:1025"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/mailpit.nix>

services.mainsail.enable
Whether to enable a modern and responsive user interface for Klipper.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.package
The mainsail package to use.

Type: package

Default:

```
pkgs.mainsail
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.hostName
Hostname to serve mainsail on

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx

Extra configuration for the nginx virtual host of mainsail.

Type: submodule

Default:

```
{ }
```

Example:

```
{
  serverAliases = [ "mainsail.${config.networking.domain}" ];
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.enableACME

Whether to ask Let's Encrypt to sign a certificate for this vhost. Alternately, you can use an existing certificate through **useACMEHost**.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.acmeFallbackHost

Host which to proxy requests to if ACME challenge is not found. Useful if you want multiple hosts to be able to verify the same domain name.

With this option, you could request certificates for the present domain with an ACME client that is running on another host, which you would specify here.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.acmeRoot

Directory for the ACME challenge, which is **public**. Don't put certs or keys in here. Set to null to inherit from config.security.acme.

Type: null or string

Default:

```
"/var/lib/acme/acme−challenge"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.addSSL

Whether to enable HTTPS in addition to plain HTTP. This will set defaults for 'listen' to listen on all interfaces on the respective default ports (80, 443).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.basicAuth
Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.basicAuthFile
Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.default
Makes this vhost the default.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.extraConfig
These lines go to the end of the vhost verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.forceSSL
Whether to add a separate nginx server block that redirects (defaults to 301, configurable with ‘redirectCode’) all plain HTTP traffic to HTTPS. This will set defaults for ‘listen’ to listen on all interfaces on the respective default ports (80, 443), where the non−SSL listens are used for the redirect vhosts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.globalRedirect
If set, all requests for this host are redirected (defaults to 301, configurable with 'redirectCode') to the given hostname.

Type: null or string

Default:

```
null
```

Example:

```
"newserver.example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.http2
Whether to enable the HTTP/2 protocol. Note that (as of writing) due to nginx's implementation, to disable HTTP/2 you have to disable it on all vhosts that use a given IP address / port. If there is one server block configured to enable http2, then it is enabled for all server blocks on this IP. See **https://stackoverflow.com/a/39466948/263061**.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.http3
Whether to enable the HTTP/3 protocol. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that HTTP/3 support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/** HTTP/3 availability must be manually advertised, preferably in each location block.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.http3_hq
Whether to enable the HTTP/0.9 protocol negotiation used in QUIC interoperability tests. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that special application protocol support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.kTLS
Whether to enable kTLS support. Implementing TLS in the kernel (kTLS) improves performance by significantly reducing the need for copying operations between user space and the kernel. Required Nginx version 1.21.4 or later.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.listen
Listen addresses and ports for this virtual host. IPv6 addresses must be enclosed in square brackets. Note: this option overrides ‘addSSL’ and ‘onlySSL’.

If you only want to set the addresses manually and not the ports, take a look at ‘listenAddresses’.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    addr = "195.154.1.1";
    port = 443;
    ssl = true;
  }
  {
    addr = "192.154.1.1";
    port = 80;
  }
  {
    addr = "unix:/var/run/nginx.sock";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.listen.*.addr
Listen address.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.listen.*.extraParameters
Extra parameters of this listen directive.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "backlog=1024"
  "deferred"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.listen.*.port
Port number to listen on. If unset and the listen address is not a socket then nginx defaults to 80.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.listen.*.proxyProtocol
Enable PROXY protocol.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.listen.*.ssl
Enable SSL.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.listenAddresses
Listen addresses for this virtual host. Compared to ‘listen’ this only sets the addresses and the ports are chosen automatically.

Note: This option overrides ‘networking.enableIPv6’

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "127.0.0.1"
  "[::1]"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.locations
Declarative location config

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "/" = {
    proxyPass = "http://localhost:3000";
  };
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.locations.<name>.alias
Alias directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/alias/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.locations.<name>.basicAuth
Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.locations.<name>.basicAuthFile
Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.locations.<name>.extraConfig
These lines go to the end of the location verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.locations.<name>.fastcgiParams
FastCGI parameters to override. Unlike in the Nginx configuration file, overriding only some default parameters won’t unset the default values for other parameters.

Type: attribute set of (string or absolute path)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.locations.<name>.index
Adds index directive.

Type: null or string

Default:

```
null
```

Example:

```
"index.php index.html"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.locations.<name>.priority
Order of this location block in relation to the others in the vhost. The semantics are the same as with ‘lib.mkOrder’. Smaller values have a greater priority.

Type: signed integer

Default:

```
1000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.locations.<name>.proxyPass
Adds proxy_pass directive and sets recommended proxy headers if recommendedProxySettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"http://www.example.org/"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.locations.<name>.proxyWebsockets
Whether to support proxying websocket connections with HTTP/1.1.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.locations.<name>.recommendedProxySettings
Enable recommended proxy settings.

Type: boolean

Default:

```
config.services.nginx.recommendedProxySettings
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.locations.<name>.recommendedUwsgiSettings
Enable recommended uwsgi settings.

Type: boolean

Default:

```
config.services.nginx.recommendedUwsgiSettings
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.locations.<name>.return
Adds a return directive, for e.g. redirections.

Type: null or string or signed integer

Default:

```
null
```

Example:

```
"301 http://example.com$request_uri"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.locations.<name>.root
Root directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/root/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.locations.<name>.tryFiles
Adds try_files directive.

Type: null or string

Default:

```
null
```

Example:

```
"$uri =404"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.locations.<name>.uwsgiPass
Adds uwsgi_pass directive and sets recommended proxy headers if recommendedUwsgiSettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"unix:/run/example/example.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.onlySSL
Whether to enable HTTPS and reject plain HTTP connections. This will set defaults for 'listen' to listen on all interfaces on port 443.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.quic
Whether to enable the QUIC transport protocol. Note that QUIC support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.redirectCode
HTTP status used by 'globalRedirect' and 'forceSSL'. Possible usecases include temporary (302, 307) redirects, keeping the request method and body (307, 308), or explicitly resetting the method to GET (303). See **https://developer.mozilla.org/en−US/docs/Web/HTTP/Redirections**.

Type: integer between 300 and 399 (both inclusive)

Default:

```
301
```

Example:

```
308
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.rejectSSL
Whether to listen for and reject all HTTPS connections to this vhost. Useful in **default** server blocks to avoid serving the certificate for another vhost. Uses the 'ssl_reject_handshake' directive available in nginx versions 1.19.4 and above.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.reuseport
Create an individual listening socket . It is required to specify only once on one of the hosts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.root
The path of the web root directory.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/data/webserver/docs"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.serverAliases
Additional names of virtual hosts served by this virtual host configuration.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
  "example.org"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.serverName
Name of this virtual host. Defaults to attribute name in virtualHosts.

Type: null or string

Default:

```
null
```

Example:

```
"example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.sslCertificate
Path to server SSL certificate.

Type: absolute path

Example:

```
"/var/host.cert"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.sslCertificateKey
Path to server SSL certificate key.

Type: absolute path

Example:

```
"/var/host.key"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.sslTrustedCertificate
Path to root SSL certificate for stapling and client certificates.

Type: null or absolute path

Default:

```
null
```

Example:

```
"${pkgs.cacert}/etc/ssl/certs/ca−bundle.crt"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

services.mainsail.nginx.useACMEHost
A host of an existing Let’s Encrypt certificate to use. This is useful if you have many subdomains and want to avoid hitting the **rate limit**. Alternately, you can generate a certificate through **enableACME**. *Note that this option does not create any certificates, nor it does add subdomains to existing ones – you will need to create them manually using* **security.acme.certs**[2].

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mainsail.nix>

2. see the **security.acme.certs** option

services.malcontent.enable
Whether to enable Malcontent, parental control support for applications.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/malcontent.nix>

services.mame.enable
Whether to setup TUN/TAP Ethernet interface for MAME emulator.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mame.nix>

services.mame.emuAddr
IP address of the guest system. The same you set inside guest OS under MAME. Should be on the same subnet as **services.mame.hostAddr**.

Type: string

Example:

```
"192.168.31.155"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mame.nix>

services.mame.hostAddr
IP address of the host system. Usually an address of the main network adapter or the adapter through which you get an internet connection.

Type: string

Example:

```
"192.168.31.156"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mame.nix>

services.mame.user
User from which you run MAME binary.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/misc/mame.nix>

services.manticore.enable

Whether to enable Manticoresearch.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/search/manticore.nix>

services.manticore.settings

Configuration for Manticoresearch. See **https://manual.manticoresearch.com/Server settings** for more information.

Type: open submodule of (JSON value)

Default:

```
{
  searchd = {
    data_dir = "/var/lib/manticore";
    listen = [
      "127.0.0.1:9312"
      "127.0.0.1:9306:mysql"
      "127.0.0.1:9308:http"
    ];
    log = "/var/log/manticore/searchd.log";
    pid_file = "/run/manticore/searchd.pid";
    query_log = "/var/log/manticore/query.log";
  };
}
```

Example:

```
{
  searchd = {
      listen = [
        "127.0.0.1:9312"
        "127.0.0.1:9306:mysql"
        "127.0.0.1:9308:http"
      ];
      log = "/var/log/manticore/searchd.log";
      query_log = "/var/log/manticore/query.log";
      pid_file = "/run/manticore/searchd.pid";
      data_dir = "/var/lib/manticore";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/search/manticore.nix>

services.marytts.enable

Whether to enable MaryTTS.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/audio/marytts.nix>

services.marytts.package

The marytts package to use.

Type: package

Default:

```
pkgs.marytts
```

Declared by:

<nixpkgs/nixos/modules/services/audio/marytts.nix>

services.marytts.basePath

The base path in which MaryTTS runs.

Type: absolute path

Default:

```
"/var/lib/marytts"
```

Declared by:

<nixpkgs/nixos/modules/services/audio/marytts.nix>

services.marytts.openFirewall

Whether to open the port in the firewall for MaryTTS.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/audio/marytts.nix>

services.marytts.port

Port to bind the MaryTTS server to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
59125
```

Declared by:

<nixpkgs/nixos/modules/services/audio/marytts.nix>

services.marytts.settings

Settings for MaryTTS.

See the **default settings** for a list of possible keys.

Type: open submodule of attribute set of (string, package, bool, int or float)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/audio/marytts.nix>

services.marytts.userDictionaries

Paths to the user dictionary files for MaryTTS.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[
  (pkgs.writeTextFile {
    name = "userdict-en_US";
    destination = "/userdict-en_US.txt";
    text = ''
      Nixpkgs | n I k s - ' p { - k @ - dZ @ s
    '';
  })
]
```

Declared by:

<nixpkgs/nixos/modules/services/audio/marytts.nix>

services.marytts.voices

Paths to the JAR files that contain additional voices for MaryTTS.

Voices are automatically detected by MaryTTS, so there is no need to alter your config to make use of new voices.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[
  (pkgs.fetchzip {
    url = "https://github.com/marytts/voice-bits1-hsmm/releases/d \
ownload/v5.2/voice-bits1-hsmm-5.2.zip";
    hash = "sha256-1nK+qZxjumMev7z5lgKr660NCKH5FDwvZ9sw/YYYeaA=";
  })
]
```

Declared by:

<nixpkgs/nixos/modules/services/audio/marytts.nix>

services.mastodon.enable

Whether to enable Mastodon, a federated social network server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.enableUnixSocket

Instead of binding to an IP address like 127.0.0.1, you may bind to a Unix socket. This variable is process−specific, e.g. you need different values for every process, and it works for both web (Puma) processes and streaming API (Node.js) processes.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.package

The mastodon package to use.

Type: package

Default:

```
pkgs.mastodon
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.activeRecordEncryptionDeterministicKeyFile

This key must be set to enable the Active Record Encryption feature within Rails that Mastodon uses to encrypt and decrypt some database attributes. A new Active Record keys can be generated by running:

‘nix build −f '<nixpkgs>' mastodon; cd result; RAILS_ENV=production ./bin/rails db:encryption:init’

If this file does not exist, it will be created with a new Active Record keys.

Type: string

Default:

```
"/var/lib/mastodon/secrets/active−record−encryption−deterministi \
c−key"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.activeRecordEncryptionKeyDerivationSaltFile

This key must be set to enable the Active Record Encryption feature within Rails that Mastodon uses to encrypt and decrypt some database attributes. A new Active Record keys can be generated by running:

‘nix build −f '<nixpkgs>' mastodon; cd result; RAILS_ENV=production ./bin/rails db:encryption:init’

If this file does not exist, it will be created with a new Active Record keys.

Type: string

Default:

```
"/var/lib/mastodon/secrets/active-record-encryption-key-derivat \
ion-salt"
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/mastodon.nix>

services.mastodon.activeRecordEncryptionPrimaryKeyFile

This key must be set to enable the Active Record Encryption feature within Rails that Mastodon uses to encrypt and decrypt some database attributes. A new Active Record keys can be generated by running:

‘nix build -f '<nixpkgs>' mastodon; cd result; RAILS_ENV=production ./bin/rails db:encryption:init’

If this file does not exist, it will be created with a new Active Record keys.

Type: string

Default:

```
"/var/lib/mastodon/secrets/active-record-encryption-primary-key \
"
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/mastodon.nix>

services.mastodon.automaticMigrations

Do automatic database migrations.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/mastodon.nix>

services.mastodon.configureNginx

Configure nginx as a reverse proxy for mastodon. Note that this makes some assumptions on your setup, and sets settings that will affect other virtualHosts running on your nginx instance, if any. Alternatively you can configure a reverse-proxy of your choice to serve these paths:

‘/ -> ${pkgs.mastodon}/public’

‘/ -> 127.0.0.1:{{ webPort }} ’(If there was no file in the directory above.)

‘/system/ -> /var/lib/mastodon/public-system/’

‘/api/v1/streaming/ -> 127.0.0.1:{{ streamingPort }}’

Make sure that websockets are forwarded properly. You might want to set up caching of some requests. Take a look at mastodon’s provided nginx configuration at ‘https://github.com/mastodon/mastodon/blob/master/dist/nginx.conf’.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/mastodon.nix>

services.mastodon.database.createLocally

Configure local PostgreSQL database server for Mastodon.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.database.host

Database host address or unix socket.

Type: string

Default:

```
"/run/postgresql"
```

Example:

```
"192.168.23.42"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.database.name

Database name.

Type: string

Default:

```
"mastodon"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.database.passwordFile

A file containing the password corresponding to **database.user**.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/lib/mastodon/secrets/db−password"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.database.port

Database host port.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
if config.services.mastodon.database.createLocally
then null
else 5432
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.database.user
Database user.

Type: string

Default:

```
"mastodon"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.elasticsearch.host
Elasticsearch host. If it is not null, Elasticsearch full text search will be enabled.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.elasticsearch.passwordFile
Path to file containing password for optionally authenticating with Elasticsearch.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/lib/mastodon/secrets/elasticsearch−password"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.elasticsearch.port
Elasticsearch port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9200
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.elasticsearch.prefix
If provided, adds a prefix to indexes in Elasticsearch. This allows to use the same Elasticsearch cluster between different projects or Mastodon servers.

Type: null or string

Default:

```
null
```

Example:

```
"mastodon"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.elasticsearch.preset
It controls the ElasticSearch indices configuration (number of shards and replica).

Type: one of “single_node_cluster”, “small_cluster”, “large_cluster”

Default:

```
"single_node_cluster"
```

Example:

```
"large_cluster"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.elasticsearch.user
Used for optionally authenticating with Elasticsearch.

Type: null or string

Default:

```
null
```

Example:

```
"elasticsearch−mastodon"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.extraConfig
Extra environment variables to pass to all mastodon services.

Type: attribute set

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.extraEnvFiles
Extra environment files to pass to all mastodon services. Useful for passing down environmental secrets.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[
  "/etc/mastodon/s3config.env"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.group

Group under which mastodon runs.

Type: string

Default:

```
"mastodon"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.localDomain

The domain serving your Mastodon instance.

Type: string

Example:

```
"social.example.org"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.mediaAutoRemove.enable

Automatically remove remote media attachments and preview cards older than the configured amount of days.

Recommended in **https://docs.joinmastodon.org/admin/setup/**.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.mediaAutoRemove.olderThanDays

How old remote media needs to be in order to be removed.

Type: signed integer

Default:

```
30
```

Example:

```
14
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.mediaAutoRemove.startAt

How often to remove remote media.

The format is described in **systemd.time**(7).

Type: string

Default:

```
"daily"
```

Example:

```
"hourly"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.redis.enableUnixSocket
Use Unix socket

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.redis.createLocally
Configure local Redis server for Mastodon.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.redis.host
Redis host.

Type: null or string

Default:

```
if config.services.mastodon.redis.createLocally && !config.services \
.mastodon.redis.enableUnixSocket then "127.0.0.1" else null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.redis.passwordFile
A file containing the password for Redis database.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/mastodon−redis−password"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.redis.port
Redis port.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
if config.services.mastodon.redis.createLocally && !config.services \
.mastodon.redis.enableUnixSocket then 31637 else null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.secretKeyBaseFile
Path to file containing the secret key base. A new secret key base can be generated by running:

‘nix build −f '<nixpkgs>' mastodon; cd result; bin/bundle exec rails secret’

If this file does not exist, it will be created with a new secret key base.

Type: string

Default:

```
"/var/lib/mastodon/secrets/secret−key−base"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.sidekiqPort
TCP port used by the mastodon−sidekiq service.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
55002
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.sidekiqProcesses
How many Sidekiq processes should be used to handle background jobs, and which job classes they handle. *Read the* **upstream documentation**[1] *before configuring this!*

Type: attribute set of (submodule)

Default:

```
{
  all = {
    jobClasses = [ ];
    threads = null;
  };
}
```

Example:

```
{
  all = {
    jobClasses = [ ];
    threads = null;
  };
  default = {
    jobClasses = [
      "default"
    ];
    threads = 10;
  };
  ingress = {
    jobClasses = [
      "ingress"
    ];
    threads = 5;
```

```
    };
    push-pull = {
      jobClasses = [
        "push"
        "pull"
      ];
      threads = 5;
    };
  }
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/mastodon.nix>

1. https://docs.joinmastodon.org/admin/scaling/#sidekiq

services.mastodon.sidekiqProcesses.<name>.jobClasses
If not empty, which job classes should be executed by this process. *Only one process should handle the 'scheduler' class. If left empty, this process will handle the 'scheduler' class.*

Type: list of (one of "default", "fasp", "push", "pull", "mailers", "scheduler", "ingress")

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/mastodon.nix>

services.mastodon.sidekiqProcesses.<name>.threads
Number of threads this process should use for executing jobs. If null, the configured 'sidekiqThreads' are used.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/mastodon.nix>

services.mastodon.sidekiqThreads
Worker threads used by the mastodon-sidekiq-all service. If 'sidekiqProcesses' is configured and any processes specify null 'threads', this value is used.

Type: signed integer

Default:

```
25
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/mastodon.nix>

services.mastodon.smtp.authenticate
Authenticate with the SMTP server using username and password.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.smtp.createLocally
Configure local Postfix SMTP server for Mastodon.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.smtp.fromAddress
“From” address used when sending Emails to users.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.smtp.host
SMTP host used when sending emails to users.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.smtp.passwordFile
Path to file containing the SMTP password.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/lib/mastodon/secrets/smtp−password"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.smtp.port
SMTP port used when sending emails to users.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
25
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.smtp.user
SMTP login name.

Type: null or string

Default:

```
null
```

Example:

```
"mastodon@example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.streamingProcesses
Number of processes used by the mastodon−streaming service. Please define this explicitly, recommended is the amount of your CPU cores minus one.

Type: positive integer, meaning >0

Example:

```
3
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.trustedProxy
You need to set it to the IP from which your reverse proxy sends requests to Mastodon's web process, otherwise Mastodon will record the reverse proxy's own IP as the IP of all requests, which would be bad because IP addresses are used for important rate limits and security functions.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.user
User under which mastodon runs. If it is set to "mastodon", that user will be created, otherwise it should be set to the name of a user created elsewhere. In both cases, the 'mastodon' package will be added to the user's package set and a tootctl wrapper to system packages that switches to the configured account and load the right environment.

Type: string

Default:

```
"mastodon"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.vapidPrivateKeyFile
Path to file containing the private key used for Web Push Voluntary Application Server Identification. A new keypair can be generated by running:

'nix build −f '<nixpkgs>' mastodon; cd result; bin/rake webpush:generate_keys'

If this file does not exist, it will be created with a new private key.

Type: string

Default:

```
"/var/lib/mastodon/secrets/vapid−private−key"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.vapidPublicKeyFile
Path to file containing the public key used for Web Push Voluntary Application Server Identification. A new keypair can be generated by running:

‘nix build −f '<nixpkgs>' mastodon; cd result; RAILS_ENV=production bin/rake webpush:generate_keys’

If **mastodon.vapidPrivateKeyFile**does not exist, it and this file will be created with a new keypair.

Type: string

Default:

```
"/var/lib/mastodon/secrets/vapid−public−key"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.webPort
TCP port used by the mastodon−web service.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
55001
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.webProcesses
Processes used by the mastodon−web service.

Type: signed integer

Default:

```
2
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.mastodon.webThreads
Threads per process used by the mastodon−web service.

Type: signed integer

Default:

```
5
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mastodon.nix>

services.matomo.enable
Enable Matomo web analytics with php−fpm backend. Either the nginx option or the webServerUser option is mandatory.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.package
The matomo package to use.

Type: package

Default:

```
pkgs.matomo
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.hostname
URL of the host, without https prefix. You may want to change it if you run Matomo on a different URL than matomo.yourdomain.

Type: string

Default:

```
"matomo.${config.networking.fqdnOrHostName}"
```

Example:

```
"matomo.yourdomain.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx
With this option, you can customize an nginx virtualHost which already has sensible defaults for Matomo. Either this option or the webServerUser option is mandatory. Set this to {} to just enable the virtualHost if you don't need any customization. If enabled, then by default, the **serverName** is '${user}.${config.networking.hostName}.${config.networking.domain}', SSL is active, and certificates are acquired via ACME. If this is set to null (the default), no nginx virtualHost will be configured.

Type: null or (submodule)

Default:

```
null
```

Example:

```
{
  serverAliases = [
    "matomo.${config.networking.domain}"
    "stats.${config.networking.domain}"
  ];
  enableACME = false;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.enableACME
Whether to ask Let's Encrypt to sign a certificate for this vhost. Alternately, you can use an existing certificate through **useACMEHost**.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.acmeFallbackHost
Host which to proxy requests to if ACME challenge is not found. Useful if you want multiple hosts to be able to verify the same domain name.

With this option, you could request certificates for the present domain with an ACME client that is running on another host, which you would specify here.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.acmeRoot
Directory for the ACME challenge, which is **public**. Don't put certs or keys in here. Set to null to inherit from config.security.acme.

Type: null or string

Default:

```
"/var/lib/acme/acme−challenge"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.addSSL
Whether to enable HTTPS in addition to plain HTTP. This will set defaults for 'listen' to listen on all interfaces on the respective default ports (80, 443).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.basicAuth
Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.basicAuthFile

Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.default

Makes this vhost the default.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.extraConfig

These lines go to the end of the vhost verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.forceSSL

Whether to add a separate nginx server block that redirects (defaults to 301, configurable with ‘redirectCode’) all plain HTTP traffic to HTTPS. This will set defaults for ‘listen’ to listen on all interfaces on the respective default ports (80, 443), where the non−SSL listens are used for the redirect vhosts.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.globalRedirect

If set, all requests for this host are redirected (defaults to 301, configurable with ‘redirectCode’) to the given hostname.

Type: null or string

Default:

```
null
```

Example:

```
"newserver.example.org"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.http2

Whether to enable the HTTP/2 protocol. Note that (as of writing) due to nginx's implementation, to disable HTTP/2 you have to disable it on all vhosts that use a given IP address / port. If there is one server block configured to enable http2, then it is enabled for all server blocks on this IP. See **https://stackoverflow.com/a/39466948/263061**.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.http3

Whether to enable the HTTP/3 protocol. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that HTTP/3 support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/** HTTP/3 availability must be manually advertised, preferably in each location block.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.http3_hq

Whether to enable the HTTP/0.9 protocol negotiation used in QUIC interoperability tests. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that special application protocol support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.kTLS

Whether to enable kTLS support. Implementing TLS in the kernel (kTLS) improves performance by significantly reducing the need for copying operations between user space and the kernel. Required Nginx version 1.21.4 or later.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.listen

Listen addresses and ports for this virtual host. IPv6 addresses must be enclosed in square brackets. Note: this option overrides 'addSSL' and 'onlySSL'.

If you only want to set the addresses manually and not the ports, take a look at 'listenAddresses'.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    addr = "195.154.1.1";
    port = 443;
    ssl = true;
  }
  {
    addr = "192.154.1.1";
    port = 80;
  }
  {
    addr = "unix:/var/run/nginx.sock";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.listen.*.addr
Listen address.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.listen.*.extraParameters
Extra parameters of this listen directive.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "backlog=1024"
  "deferred"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.listen.*.port
Port number to listen on. If unset and the listen address is not a socket then nginx defaults to 80.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.listen.*.proxyProtocol

Enable PROXY protocol.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.listen.*.ssl

Enable SSL.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.listenAddresses

Listen addresses for this virtual host. Compared to ‘listen’ this only sets the addresses and the ports are chosen automatically.

Note: This option overrides ‘networking.enableIPv6’

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "127.0.0.1"
  "[::1]"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.locations

Declarative location config

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "/" = {
    proxyPass = "http://localhost:3000";
  };
};
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.locations.<name>.alias

Alias directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/alias/directory"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.locations.<name>.basicAuth

Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.locations.<name>.basicAuthFile

Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.locations.<name>.extraConfig

These lines go to the end of the location verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.locations.<name>.fastcgiParams

FastCGI parameters to override. Unlike in the Nginx configuration file, overriding only some default parameters won’t unset the default values for other parameters.

Type: attribute set of (string or absolute path)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.locations.<name>.index
Adds index directive.

Type: null or string

Default:

```
null
```

Example:

```
"index.php index.html"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.locations.<name>.priority
Order of this location block in relation to the others in the vhost. The semantics are the same as with 'lib.mkOrder'. Smaller values have a greater priority.

Type: signed integer

Default:

```
1000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.locations.<name>.proxyPass
Adds proxy_pass directive and sets recommended proxy headers if recommendedProxySettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"http://www.example.org/"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.locations.<name>.proxyWebsockets
Whether to support proxying websocket connections with HTTP/1.1.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.locations.<name>.recommendedProxySettings
Enable recommended proxy settings.

Type: boolean

Default:

```
config.services.nginx.recommendedProxySettings
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.locations.<name>.recommendedUwsgiSettings
Enable recommended uwsgi settings.

Type: boolean

Default:

```
config.services.nginx.recommendedUwsgiSettings
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.locations.<name>.return
Adds a return directive, for e.g. redirections.

Type: null or string or signed integer

Default:

```
null
```

Example:

```
"301 http://example.com$request_uri"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.locations.<name>.root
Root directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/root/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.locations.<name>.tryFiles
Adds try_files directive.

Type: null or string

Default:

```
null
```

Example:

```
"$uri =404"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.locations.<name>.uwsgiPass
Adds uwsgi_pass directive and sets recommended proxy headers if recommendedUwsgiSettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"unix:/run/example/example.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.onlySSL
Whether to enable HTTPS and reject plain HTTP connections. This will set defaults for 'listen' to listen on all interfaces on port 443.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.quic
Whether to enable the QUIC transport protocol. Note that QUIC support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.redirectCode
HTTP status used by 'globalRedirect' and 'forceSSL'. Possible usecases include temporary (302, 307) redirects, keeping the request method and body (307, 308), or explicitly resetting the method to GET (303). See **https://developer.mozilla.org/en−US/docs/Web/HTTP/Redirections**.

Type: integer between 300 and 399 (both inclusive)

Default:

```
301
```

Example:

```
308
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.rejectSSL

Whether to listen for and reject all HTTPS connections to this vhost. Useful in **default** server blocks to avoid serving the certificate for another vhost. Uses the 'ssl_reject_handshake' directive available in nginx versions 1.19.4 and above.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.reuseport

Create an individual listening socket . It is required to specify only once on one of the hosts.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.root

The path of the web root directory.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/data/webserver/docs"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.serverAliases

Additional names of virtual hosts served by this virtual host configuration.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
  "example.org"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.serverName

Name of this virtual host. Defaults to attribute name in virtualHosts.

Type: null or string

Default:

```
null
```

Example:

```
"example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.sslCertificate
Path to server SSL certificate.

Type: absolute path

Example:

```
"/var/host.cert"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.sslCertificateKey
Path to server SSL certificate key.

Type: absolute path

Example:

```
"/var/host.key"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.sslTrustedCertificate
Path to root SSL certificate for stapling and client certificates.

Type: null or absolute path

Default:

```
null
```

Example:

```
"${pkgs.cacert}/etc/ssl/certs/ca−bundle.crt"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.nginx.useACMEHost
A host of an existing Let's Encrypt certificate to use. This is useful if you have many subdomains and want to avoid hitting the **rate limit**. Alternately, you can generate a certificate through **enableACME**. *Note that this option does not create any certificates, nor it does add subdomains to existing ones – you will need to create them manually using* **security.acme.certs**[2].

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

2. see the **security.acme.certs** option

services.matomo.periodicArchiveProcessing

Enable periodic archive processing, which generates aggregated reports from the visits.

This means that you can safely disable browser triggers for Matomo archiving, and safely enable to delete old visitor logs. Before deleting visitor logs, make sure though that you run ‘systemctl start matomo−archive−processing.service’ at least once without errors if you have already collected data before.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matomo.webServerUser

Name of the web server user that forwards requests to **services.phpfpm.pools.<name>.socket** the fastcgi socket for Matomo if the nginx option is not used. Either this option or the nginx option is mandatory. If you want to use another webserver than nginx, you need to set this to that server’s user and pass fastcgi requests to ‘index.php’, ‘matomo.php’ and ‘piwik.php’ (legacy name) to this socket.

Type: null or string

Default:

```
null
```

Example:

```
"lighttpd"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/matomo.nix>

services.matrix−alertmanager.enable

Whether to enable matrix−alertmanager.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/matrix−alertmanager.nix>

services.matrix−alertmanager.package

The matrix−alertmanager package to use.

Type: package

Default:

```
pkgs.matrix−alertmanager
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/matrix−alertmanager.nix>

services.matrix-alertmanager.homeserverUrl

URL of the Matrix homeserver to use.

Type: string

Example:

```
"https://matrix.example.com"
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/matrix-alertmanager.nix>

services.matrix-alertmanager.matrixRooms

Combination of Alertmanager receiver(s) and rooms for the bot to join. Each Alertmanager receiver can be mapped to post to a matrix room.

Note, you must use a room ID and not a room alias/name. Room IDs start with a "!".

Type: list of (submodule)

Example:

```
[
  {
    receivers = [
      "receiver1"
      "receiver2"
    ];
    roomId = "!roomid@example.com";
  }
  {
    receivers = [
      "receiver3"
    ];
    roomId = "!differentroomid@example.com";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/matrix-alertmanager.nix>

services.matrix-alertmanager.matrixRooms.*.receivers

List of receivers for this room

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/matrix-alertmanager.nix>

services.matrix-alertmanager.matrixRooms.*.roomId

Matrix room ID

Type: string

Declared by:

<nixpkgs/nixos/modules/services/matrix/matrix-alertmanager.nix>

services.matrix-alertmanager.matrixUser
Matrix user to use for the bot.

Type: string

Example:

```
"@alertmanageruser:example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/matrix-alertmanager.nix>

services.matrix-alertmanager.mention
Makes the bot mention @room when posting an alert

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/matrix-alertmanager.nix>

services.matrix-alertmanager.port
Port that matrix-alertmanager listens on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/matrix-alertmanager.nix>

services.matrix-alertmanager.secretFile
File that contains a secret for the Alertmanager webhook.

Type: absolute path not in the Nix store

Declared by:
<nixpkgs/nixos/modules/services/matrix/matrix-alertmanager.nix>

services.matrix-alertmanager.tokenFile
File that contains a valid Matrix token for the Matrix user.

Type: absolute path not in the Nix store

Declared by:
<nixpkgs/nixos/modules/services/matrix/matrix-alertmanager.nix>

services.matrix-appservice-discord.enable
Whether to enable a bridge between Matrix and Discord.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/appservice-discord.nix>

services.matrix-appservice-discord.package
The matrix-appservice-discord package to use.

Type: package

Default:

```
pkgs.matrix-appservice-discord
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/appservice-discord.nix>

services.matrix-appservice-discord.environmentFile
File containing environment variables to be passed to the matrix-appservice-discord service, in which secret tokens can be specified securely by defining values for 'APPSERVICE_DISCORD_AUTH_CLIENT_I_D' and 'APPSERVICE_DISCORD_AUTH_BOT_TOKEN'.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/appservice-discord.nix>

services.matrix-appservice-discord.localpart
The user_id localpart to assign to the AS.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/appservice-discord.nix>

services.matrix-appservice-discord.port
Port number on which the bridge should listen for internal communication with the Matrix homeserver.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9005
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/appservice-discord.nix>

services.matrix-appservice-discord.serviceDependencies
List of Systemd services to require and wait for when starting the application service, such as the Matrix homeserver if it's running on the same host.

Type: list of string

Default:

```
lib.optional config.services.matrix-synapse.enable config.services \
.matrix-synapse.serviceUnit
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/appservice-discord.nix>

services.matrix−appservice−discord.settings

config.yaml configuration as a Nix attribute set.

Configuration options should match those described in **config.sample.yaml**.

config.bridge.domain and **config.bridge.homeserverUrl** should be set to match the public host name of the Matrix homeserver for webhooks and avatars to work.

Secret tokens should be specified using **environmentFile** instead of this world−readable attribute set.

Type: attribute set

Default:

```
{
  auth = {
    botToken = "";
    clientID = "";
  };
  database = {
    filename = "/var/lib/matrix−appservice−discord/discord.db";
  };
}
```

Example:

```
{
  bridge = {
    domain = "public−domain.tld";
    homeserverUrl = "http://public−domain.tld:8008";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/appservice−discord.nix>

services.matrix−appservice−discord.url

The URL where the application service is listening for HS requests.

Type: string

Default:

```
"http://localhost:${toString config.services.matrix−appservice−di \
scord.port}"
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/appservice−discord.nix>

services.matrix−appservice−irc.enable

Whether to enable the Matrix/IRC bridge.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/appservice−irc.nix>

services.matrix-appservice-irc.localpart
The user_id localpart to assign to the appservice

Type: string

Default:

```
"appservice-irc"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/appservice-irc.nix>

services.matrix-appservice-irc.needBindingCap
Whether the daemon needs to bind to ports below 1024 (e.g. for the ident service)

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/appservice-irc.nix>

services.matrix-appservice-irc.passwordEncryptionKeyLength
Length of the key to encrypt IRC passwords with

Type: unsigned integer, meaning >=0

Default:

```
4096
```

Example:

```
8192
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/appservice-irc.nix>

services.matrix-appservice-irc.port
The port to listen on

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8009
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/appservice-irc.nix>

services.matrix-appservice-irc.registrationUrl
The URL where the application service is listening for homeserver requests, from the Matrix homeserver perspective.

Type: string

Example:

```
"http://localhost:8009"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/appservice-irc.nix>

services.matrix-appservice-irc.settings

Configuration for the appservice, see **https://github.com/matrix-org/matrix-appservice-irc/blob/4.0.0/config.sample.yaml** for supported values

Type: open submodule of (JSON value)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/appservice-irc.nix>

services.matrix-appservice-irc.settings.database

Configuration for the database

Type: open submodule of (JSON value)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/appservice-irc.nix>

services.matrix-appservice-irc.settings.database.connectionString

The database connection string

Type: string

Default:

```
"nedb://var/lib/matrix-appservice-irc/data"
```

Example:

```
"postgres://username:password@host:port/databasename"
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/appservice-irc.nix>

services.matrix-appservice-irc.settings.database.engine

Which database engine to use

Type: string

Default:

```
"nedb"
```

Example:

```
"postgres"
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/appservice-irc.nix>

services.matrix-appservice-irc.settings.homeserver

Homeserver configuration

Type: open submodule of (JSON value)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/appservice-irc.nix>

services.matrix−appservice−irc.settings.homeserver.domain
The ‘domain’ part for user IDs on this home server. Usually (but not always) is the “domain name” part of the homeserver URL.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/matrix/appservice−irc.nix>

services.matrix−appservice−irc.settings.homeserver.url
The URL to the home server for client−server API calls

Type: string

Declared by:
<nixpkgs/nixos/modules/services/matrix/appservice−irc.nix>

services.matrix−appservice−irc.settings.ircService
IRC bridge configuration

Type: open submodule of (JSON value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/appservice−irc.nix>

services.matrix−appservice−irc.settings.ircService.mediaProxy.bindPort
Port that the media proxy binds to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
11111
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/appservice−irc.nix>

services.matrix−appservice−irc.settings.ircService.mediaProxy.publicUrl
URL under which the media proxy is publicly acccessible.

Type: string

Example:

```
"https://matrix.example.com/media"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/appservice−irc.nix>

services.matrix−appservice−irc.settings.ircService.mediaProxy.signingKeyPath
Path to the signing key file for authenticated media.

Type: absolute path

Default:

```
"/var/lib/matrix−appservice−irc/media−signingkey.jwk"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/appservice−irc.nix>

services.matrix-appservice-irc.settings.ircService.mediaProxy.ttlSeconds
Lifetime in seconds, that generated URLs stay valid.

Set the lifetime to 0 to prevent URLs from becoming invalid.

Type: unsigned integer, meaning >=0

Default:

```
3600
```

Example:

Declared by:
<nixpkgs/nixos/modules/services/matrix/appservice-irc.nix>

services.matrix-appservice-irc.settings.ircService.passwordEncryptionKeyPath
Location of the key with which IRC passwords are encrypted for storage. Will be generated on first run if not present.

Type: string

Default:

```
"/var/lib/matrix-appservice-irc/passkey.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/appservice-irc.nix>

services.matrix-appservice-irc.settings.ircService.servers
IRC servers to connect to

Type: open submodule of (JSON value)

Declared by:
<nixpkgs/nixos/modules/services/matrix/appservice-irc.nix>

services.matrix-conduit.enable
Whether to enable matrix-conduit.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/conduit.nix>

services.matrix-conduit.package
The matrix-conduit package to use.

Type: package

Default:

```
pkgs.matrix-conduit
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/conduit.nix>

services.matrix-conduit.extraEnvironment

Extra Environment variables to pass to the conduit server.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  RUST_BACKTRACE = "yes";
}
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/conduit.nix>

services.matrix-conduit.secretFile

Path to a file containing sensitive environment as described in {manpage}`systemd.exec(5). Some variables that can be considered secrets are:

- CONDUIT_JWT_SECRET: The secret used to enable JWT login. Without it a 400 error will be returned.
- CONDUIT_TURN_SECRET: The TURN secret

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/matrix-conduit.env"
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/conduit.nix>

services.matrix-conduit.settings

Generates the conduit.toml configuration file. Refer to **https://docs.conduit.rs/configuration.html** for details on supported values. Note that database_path can not be edited because the service's reliance on systemd StateDir. For secrets use the 'secretFile' option instead.

Type: open submodule of (TOML value)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/conduit.nix>

services.matrix-conduit.settings.global.address

Address to listen on for connections by the reverse proxy/tls terminator.

Type: string

Default:

```
"::1"
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/conduit.nix>

services.matrix-conduit.settings.global.allow_check_for_updates
Whether to allow Conduit to automatically contact **https://conduit.rs** hourly to check for important Conduit news.

Disabled by default because nixpkgs handles updates.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/conduit.nix>

services.matrix-conduit.settings.global.allow_encryption
Whether new encrypted rooms can be created. Note: existing rooms will continue to work.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/conduit.nix>

services.matrix-conduit.settings.global.allow_federation
Whether this server federates with other servers.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/conduit.nix>

services.matrix-conduit.settings.global.allow_registration
Whether new users can register on this server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/conduit.nix>

services.matrix-conduit.settings.global.database_backend
The database backend for the service. Switching it on an existing instance will require manual migration of data.

Type: one of “sqlite”, “rocksdb”

Default:

```
"sqlite"
```

Example:

```
"rocksdb"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/conduit.nix>

services.matrix-conduit.settings.global.database_path

Path to the conduit database, the directory where conduit will save its data. Note that due to using the DynamicUser feature of systemd, this value should not be changed and is set to be read only.

Type: string *(read only)*

Default:

```
"/var/lib/matrix-conduit/"
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/conduit.nix>

services.matrix-conduit.settings.global.max_request_size

Max request size in bytes. Don't forget to also change it in the proxy.

Type: positive integer, meaning >0

Default:

```
20000000
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/conduit.nix>

services.matrix-conduit.settings.global.port

The port Conduit will be running on. You need to set up a reverse proxy in your web server (e.g. apache or nginx), so all requests to /_matrix on port 443 and 8448 will be forwarded to the Conduit instance running on this port

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
6167
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/conduit.nix>

services.matrix-conduit.settings.global.server_name

The server_name is the name of this server. It is used as a suffix for user # and room ids.

Type: string

Example:

```
"example.com"
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/conduit.nix>

services.matrix-conduit.settings.global.trusted_servers

Servers trusted with signing server keys.

Type: list of string

Default:

```
[
  "matrix.org"
]
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/conduit.nix>

services.matrix-continuwuity.enable
Whether to enable continuwuity.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/continuwuity.nix>

services.matrix-continuwuity.package
The matrix-continuwuity package to use.

Type: package

Default:

```
pkgs.matrix-continuwuity
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/continuwuity.nix>

services.matrix-continuwuity.admin.enable
Add conduwuit command to PATH for administration

Type: boolean

Default:

```
config.services.matrix-continuwuity.enable
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/continuwuity.nix>

services.matrix-continuwuity.extraEnvironment
Extra Environment variables to pass to the continuwuity server.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  RUST_BACKTRACE = "yes";
}
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/continuwuity.nix>

services.matrix-continuwuity.group
The group **continuwuity** is run as.

Type: non-empty string

Default:

```
"continuwuity"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/continuwuity.nix>

services.matrix−continuwuity.settings
Generates the continuwuity.toml configuration file. Refer to **https://continuwuity.org/configuration.html** for details on supported values.

Type: open submodule of (TOML value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/continuwuity.nix>

services.matrix−continuwuity.settings.global.address
Addresses (IPv4 or IPv6) to listen on for connections by the reverse proxy/tls terminator. If set to ‘null’, continuwuity will listen on IPv4 and IPv6 localhost. Must be ‘null’ if ‘unix_socket_path’ is set.

Type: null or (list of non−empty string)

Default:

```
null
```

Example:

```
[
  "127.0.0.1"
  "::1"
]
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/continuwuity.nix>

services.matrix−continuwuity.settings.global.allow_announcements_check
If enabled, continuwuity will send a simple GET request periodically to **https://continuwuity.org/.well−known/continuwuity/announcements** for any new announcements made.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/continuwuity.nix>

services.matrix−continuwuity.settings.global.allow_encryption
Whether new encrypted rooms can be created. Note: existing rooms will continue to work.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/continuwuity.nix>

services.matrix−continuwuity.settings.global.allow_federation
Whether this server federates with other servers.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/continuwuity.nix>

services.matrix−continuwuity.settings.global.allow_registration
Whether new users can register on this server.

Registration with token requires ‘registration_token’ or ‘registration_token_file’ to be set.

If set to true without a token configured, and ‘yes_i_am_very_very_sure_i_want_an_open_registration_server_prone_to_abuse’ is set to true, users can freely register.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/continuwuity.nix>

services.matrix−continuwuity.settings.global.database_path
Path to the continuwuity database, the directory where continuwuity will save its data. Note that database_path cannot be edited because of the service’s reliance on systemd StateDir.

Type: absolute path *(read only)*

Default:

```
"/var/lib/continuwuity/"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/continuwuity.nix>

services.matrix−continuwuity.settings.global.max_request_size
Max request size in bytes. Don’t forget to also change it in the proxy.

Type: positive integer, meaning >0

Default:

```
20000000
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/continuwuity.nix>

services.matrix−continuwuity.settings.global.port
The port(s) continuwuity will be running on. You need to set up a reverse proxy in your web server (e.g. apache or nginx), so all requests to /_matrix on port 443 and 8448 will be forwarded to the continuwuity instance running on this port.

Type: list of 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
[
  6167
]
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/continuwuity.nix>

services.matrix−continuwuity.settings.global.server_name
The server_name is the name of this server. It is used as a suffix for user and room ids.

Type: non−empty string

Example:

```
"example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/continuwuity.nix>

services.matrix−continuwuity.settings.global.trusted_servers
Servers listed here will be used to gather public keys of other servers (notary trusted key servers).

Currently, continuwuity doesn't support inbound batched key requests, so this list should only contain other Synapse servers.

Example: '["matrix.org" "constellatory.net" "tchncs.de"]'

Type: list of non−empty string

Default:

```
[
  "matrix.org"
]
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/continuwuity.nix>

services.matrix−continuwuity.settings.global.unix_socket_path
Listen on a UNIX socket at the specified path. If listening on a UNIX socket, listening on an address will be disabled. The 'address' option must be set to 'null' (the default value). The option **services.continuwuity.group** must be set to a group your reverse proxy is part of.

This will automatically add a system user "continuwuity" to your system if **services.continuwuity.user** is left at the default, and a "continuwuity" group if **services.continuwuity.group** is left at the default.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/continuwuity.nix>

services.matrix−continuwuity.settings.global.unix_socket_perms
The default permissions (in octal) to create the UNIX socket with.

Type: positive integer, meaning >0

Default:

```
660
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/continuwuity.nix>

services.matrix−continuwuity.user
The user **continuwuity** is run as.

Type: non−empty string

Default:

```
"continuwuity"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/continuwuity.nix>

services.matrix-hookshot.enable

Whether to enable matrix-hookshot, a bridge between Matrix and project management services.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/hookshot.nix>

services.matrix-hookshot.package

The matrix-hookshot package to use.

Type: package

Default:

```
pkgs.matrix-hookshot
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/hookshot.nix>

services.matrix-hookshot.registrationFile

Appservice registration file. As it contains secret tokens, you may not want to add this to the publicly readable Nix store.

Type: absolute path

Example:

```
pkgs.writeText "matrix-hookshot-registration" \'\'
  id: matrix-hookshot
  as_token: aaaaaaaaaa
  hs_token: aaaaaaaaaa
  namespaces:
    rooms: []
    users:
      - regex: "@_webhooks_.*:foobar"
        exclusive: true
  sender_localpart: hookshot
  url: "http://localhost:9993"
  rate_limited: false
  \'\'
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/hookshot.nix>

services.matrix-hookshot.serviceDependencies

List of Systemd services to require and wait for when starting the application service, such as the Matrix homeserver if it's running on the same host.

Type: list of string

Default:

```
lib.optional config.services.matrix-synapse.enable config.services \
.matrix-synapse.serviceUnit
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/hookshot.nix>

services.matrix-hookshot.settings
config.yml configuration as a Nix attribute set.

For details please see the **documentation**.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Example:

```
{
  bridge = {
    bindAddress = "127.0.0.1";
    domain = "example.com";
    mediaUrl = "https://example.com";
    port = 9993;
    url = "http://localhost:8008";
  };
  listeners = [
    {
      bindAddress = "0.0.0.0";
      port = 9000;
      resources = [
        "webhooks"
      ];
    }
    {
      bindAddress = "localhost";
      port = 9001;
      resources = [
        "metrics"
        "provisioning"
      ];
    }
  ];
}
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/hookshot.nix>

services.matrix-hookshot.settings.passFile
A passkey used to encrypt tokens stored inside the bridge. File will be generated if not found.

Type: absolute path

Default:

```
"/var/lib/matrix-hookshot/passkey.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/hookshot.nix>

services.matrix−synapse.enable

Whether to enable matrix.org synapse, the reference homeserver.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix−synapse.enableRegistrationScript

Whether to install the ‘register_new_matrix_user’ script, that allows account creation on the terminal.

Note

This script does not work when the client listener uses UNIX domain sockets

Type: boolean

Default:

```
Enabled if the client listener uses TCP sockets
```

Example:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix−synapse.package

Reference to the ‘matrix−synapse’ wrapper with all extras (e.g. for ‘oidc’ or ‘saml2’) added to the ‘PYTHONPATH’ of all executables.

This option is useful to reference the “final” ‘matrix−synapse’ package that’s actually used by ‘matrix−synapse.service’. For instance, when using workers, it’s possible to run ‘${config.services.matrix−synapse.package}/bin/synapse_worker’ and no additional PYTHONPATH needs to be specified for extras or plugins configured via ‘services.matrix−synapse’.

However, this means that this option is supposed to be only declared by the ‘services.matrix−synapse’ module itself and is thus read−only. In order to modify ‘matrix−synapse’ itself, use an overlay to override ‘pkgs.matrix−synapse−unwrapped’.

Type: package *(read only)*

Declared by:

<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix−synapse.configFile

Path to the configuration file on the target system. Useful to configure e.g. workers that also need this.

Type: absolute path *(read only)*

Declared by:

<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix−synapse.configureRedisLocally

Whether to automatically configure a local redis server for matrix−synapse.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix−synapse.dataDir
The directory where matrix−synapse stores its stateful data such as certificates, media and uploads.

Type: string

Default:

```
"/var/lib/matrix-synapse"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix−synapse.extraArgs
Extra command lines argument that are passed to synapse and workers.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--no-secrets-in-config"
]
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix−synapse.extraConfigFiles
Extra config files to include.

The configuration files will be included based on the command line argument −−config−path. This allows to configure secrets without having to go through the Nix store, e.g. based on deployment keys if NixOps is in use.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix−synapse.extras
Explicitly install extras provided by matrix−synapse. Most will require some additional configuration.

Extras will automatically be enabled, when the relevant configuration sections are present.

Please note that this option is additive: i.e. when adding a new item to this list, the defaults are still kept. To override the defaults as well, use ‘lib.mkForce’.

Type: list of (one of “cache−memory”, “jwt”, “oidc”, “postgres”, “redis”, “saml2”, “sentry”, “systemd”, “url−preview”)

Default:

```
[
  "systemd"
  "postgres"
  "url-preview"
]
```

Example:

```
[
  "cache-memory" # Provide statistics about caching memory consump \
tion
  "jwt"          # JSON Web Token authentication
  "oidc"         # OpenID Connect authentication
  "postgres"     # PostgreSQL database backend
  "redis"        # Redis support for the replication stream between \
 worker processes
  "saml2"        # SAML2 authentication
  "sentry"       # Error tracking and performance metrics
  "systemd"      # Provide the JournalHandler used in the default l \
og_config
  "url-preview"  # Support for oEmbed URL previews
]
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix-synapse.log

Default configuration for the loggers used by 'matrix-synapse' and its workers. The defaults are added with the default priority which means that these will be merged with additional declarations. These additional declarations also take precedence over the defaults when declared with at least normal priority. For instance the log-level for synapse and its workers can be changed like this:

```
{ lib, ... }: {
  services.matrix-synapse.log.root.level = "WARNING";
}
```

And another field can be added like this:

```
{
  services.matrix-synapse.log = {
    loggers."synapse.http.matrixfederationclient".level = "DEBUG";
  };
}
```

Additionally, the field 'handlers.journal.SYSLOG_IDENTIFIER' will be added to each log config, i.e.

- 'synapse' for 'matrix-synapse.service'
- 'synapse-<worker name>' for 'matrix-synapse-worker-<worker name>.service'

This is only done if this option has a 'handlers.journal' field declared.

To discard all settings declared by this option for each worker and synapse, 'lib.mkForce' can be used.

To discard all settings declared by this option for a single worker or synapse only, **services.matrix-synapse.workers.<name>.worker_log_config** or **services.matrix-synapse.settings.log_config** can be used.

Type: attribute set of (YAML 1.1 value)

Default:

```
{
  disable_existing_loggers = false;
  formatters = {
    journal_fmt = {
      format = "%(name)s: [%(request)s] %(message)s";
    };
```

```
      };
      handlers = {
        journal = {
          class = "systemd.journal.JournalHandler";
          formatter = "journal_fmt";
        };
      };
      root = {
        handlers = [
          "journal"
        ];
        level = "INFO";
      };
      version = 1;
    }
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix−synapse.plugins
List of additional Matrix plugins to make available.

Type: list of package

Default:

```
[ ]
```

Example:

```
with config.services.matrix−synapse.package.plugins; [
  matrix−synapse−ldap3
  matrix−synapse−pam
];
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix−synapse.serviceUnit
The systemd unit (a service or a target) for other services to depend on if they need to be started after matrix−synapse.

This option is useful as the actual parent unit for all matrix−synapse processes changes when configuring workers.

Type: string *(read only)*

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix−synapse.settings
The primary synapse configuration. See the **sample configuration** for possible values.

Secrets should be passed in by using the ‘extraConfigFiles’ option.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix-synapse.settings.enable_metrics
Enable collection and rendering of performance metrics

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix-synapse.settings.enable_registration
Enable registration for new users.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix-synapse.settings.app_service_config_files
A list of application service config file to use

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix-synapse.settings.database.args.database
Name of the database when using the psycopg2 backend, path to the database location when using sqlite3.

Type: string

Default:

```
{
  sqlite3 = "${services.matrix-synapse.dataDir}/homeserver.db";
  psycopg2 = "matrix-synapse";
}.${services.matrix-synapse.settings.database.name};
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix-synapse.settings.database.args.user
Username to connect with psycopg2, set to null when using sqlite3.

Type: null or string

Default:

```
{
  sqlite3 = null;
  psycopg2 = "matrix-synapse";
}.${cfg.settings.database.name};
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix-synapse.settings.database.name
The database engine name. Can be sqlite3 or psycopg2.

Type: one of “sqlite3”, “psycopg2”

Default:

```
if versionAtLeast config.system.stateVersion "18.03"
then "psycopg2"
else "sqlite3"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix-synapse.settings.dynamic_thumbnails
Whether to generate new thumbnails on the fly to precisely match the resolution requested by the client. If true then whenever a new resolution is requested by the client the server will generate a new thumbnail. If false the server will pick a thumbnail from a precalculated list.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix-synapse.settings.listeners
List of ports that Synapse should listen on, their purpose and their configuration.

By default, synapse will be configured for client and federation traffic on port 8008, and use a UNIX domain socket for worker replication. See ‘services.matrix-synapse.workers’ for more details.

Type: list of (submodule)

Default:

```
[
  {
    bind_addresses = [
      "127.0.0.1"
    ];
    port = 8008;
    resources = [
      {
        compress = true;
        names = [
          "client"
        ];
      }
      {
        compress = false;
        names = [
          "federation"
        ];
```

```
        }
      ];
      tls = false;
      type = "http";
      x_forwarded = true;
    }
  ]
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix−synapse.settings.listeners.*.bind_addresses
IP addresses to bind the listener to.

Type: null or (list of string)

Default:

```
if path != null then
  null
else
  [
    "::1"
    "127.0.0.1"
  ]
```

Example:

```
[
  "::"
  "0.0.0.0"
]
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix−synapse.settings.listeners.*.mode
File permissions on the UNIX domain socket.

Type: null or string matching the pattern ^[0,2−7]{3,4}$

Default:

```
if path != null then
  "660"
else
  null
```

Example:

```
"660"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix−synapse.settings.listeners.*.path
Unix domain socket path to bind this listener to.

> **Note**
> This option is incompatible with **bind_addresses**, **port**, **tls** and also does not support the ‘metrics’ and ‘manhole’ listener **type**.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix−synapse.settings.listeners.*.port

The port to listen for HTTP(S) requests on.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Example:

```
8448
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix−synapse.settings.listeners.*.resources

List of HTTP resources to serve on this listener.

Type: list of (submodule)

Declared by:

<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix−synapse.settings.listeners.*.resources.*.compress

Whether synapse should compress HTTP responses to clients that support it. This should be disabled if running synapse behind a load balancer that can do automatic compression.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix−synapse.settings.listeners.*.resources.*.names

List of resources to host on this listener.

Type: list of (one of “client”, “consent”, “federation”, “health”, “keys”, “media”, “metrics”, “openid”, “replication”, “static”)

Default:

```
[ ]
```

Example:

```
[
  "client"
]
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix−synapse.settings.listeners.*.tls

Whether to enable TLS on the listener socket.

Note
This option will be ignored for UNIX domain sockets.

Type: null or boolean

Default:

```
  Enabled for the main instance listener, unless it is configured w \
ith a UNIX domain socket path.
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix−synapse.settings.listeners.*.type

The type of the listener, usually http.

Type: one of “http”, “manhole”, “metrics”, “replication”

Default:

```
"http"
```

Example:

```
"metrics"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix−synapse.settings.listeners.*.x_forwarded

Use the X−Forwarded−For (XFF) header as the client IP and not the actual client IP.

Type: boolean

Default:

```
  Enabled if the listener is configured with a UNIX domain socket p \
ath
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix−synapse.settings.log_config

The file that holds the logging configuration.

Type: absolute path

Default: Path to a yaml file generated from this Nix expression:

```
{
  disable_existing_loggers = false;
  formatters = {
    journal_fmt = {
      format = "%(name)s: [%(request)s] %(message)s";
    };
  };
  handlers = {
```

```
      journal = {
        SYSLOG_IDENTIFIER = "synapse";
        class = "systemd.journal.JournalHandler";
        formatter = "journal_fmt";
      };
    };
    root = {
      handlers = [
        "journal"
      ];
      level = "INFO";
    };
    version = 1;
  }
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix−synapse.settings.macaroon_secret_key
Secret key for authentication tokens. If none is specified, the registration_shared_secret is used, if one is given; otherwise, a secret key is derived from the signing key.

Secrets should be passed in via ‘extraConfigFiles’!

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix−synapse.settings.max_image_pixels
Maximum number of pixels that will be thumbnailed

Type: string

Default:

```
"32M"
```

Example:

```
"64M"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix−synapse.settings.max_upload_size
The largest allowed upload size in bytes

Type: string

Default:

```
"50M"
```

Example:

```
"100M"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix-synapse.settings.media_store_path

Directory where uploaded images and attachments are stored.

Type: absolute path

Default:

```
"/var/lib/matrix-synapse/media_store for when system.stateVersion  \
is at least 22.05, /var/lib/matrix-synapse/media when lower than 2 \
2.05"
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix-synapse.settings.pid_file

The file to store the PID in.

Type: absolute path *(read only)*

Default:

```
"/run/matrix-synapse.pid"
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix-synapse.settings.presence.enabled

Whether to enable presence tracking.

Presence tracking allows users to see the state (e.g online/offline) of other local and remote users.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix-synapse.settings.public_baseurl

The public-facing base URL for the client API (not including _matrix/…)

Type: null or string

Default:

```
null
```

Example:

```
"https://example.com:8448/"
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix-synapse.settings.redis

Redis configuration for synapse.

See the **upstream documentation** for available options.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix-synapse.settings.redis.enabled
Whether to use redis support

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix-synapse.settings.registration_shared_secret
If set, allows registration by anyone who also has the shared secret, even if registration is otherwise disabled.

Secrets should be passed in via 'extraConfigFiles'!

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix-synapse.settings.report_stats
Whether or not to report anonymized homeserver usage statistics.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix-synapse.settings.server_name
The domain name of the server, with optional explicit port. This is used by remote servers to look up the server address. This is also the last part of your UserID.

The server_name cannot be changed later so it is important to configure this correctly before you start Synapse.

Type: string

Default:

```
config.networking.hostName
```

Example:

```
"example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix-synapse.settings.signing_key_path
Path to the signing key to sign messages with.

Type: absolute path

Default:

```
"/var/lib/matrix-synapse/homeserver.signing.key"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix−synapse.settings.tls_certificate_path
PEM encoded X509 certificate for TLS. You can replace the self−signed certificate that synapse autogenerates on launch with your own SSL certificate + key pair if you like. Any required intermediary certificates can be appended after the primary certificate in hierarchical order.

Type: null or string

Default:

```
null
```

Example:

```
"/var/lib/acme/example.com/fullchain.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix−synapse.settings.tls_private_key_path
PEM encoded private key for TLS. Specify null if synapse is not speaking TLS directly.

Type: null or string

Default:

```
null
```

Example:

```
"/var/lib/acme/example.com/key.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix−synapse.settings.trusted_key_servers
The trusted servers to download signing keys from.

Type: list of (open submodule of (YAML 1.1 value))

Default:

```
[
  {
    server_name = "matrix.org";
    verify_keys = {
      "ed25519:auto" = "Noi6WqcDj0QmPxCNQqgezwTlBKrfqehY1u2FyWP9uYw \
";
    };
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix−synapse.settings.trusted_key_servers.*.server_name
Hostname of the trusted server.

Type: string

Example:

```
"matrix.org"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix-synapse.settings.turn_shared_secret
The shared secret used to compute passwords for the TURN server.

Secrets should be passed in via 'extraConfigFiles'!

Type: string

Default:
```
""
```

Example:
```
config.services.coturn.static-auth-secret
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix-synapse.settings.turn_uris
The public URIs of the TURN server to give to clients

Type: list of string

Default:
```
[ ]
```

Example:
```
[
  "turn:turn.example.com:3487?transport=udp"
  "turn:turn.example.com:3487?transport=tcp"
  "turns:turn.example.com:5349?transport=udp"
  "turns:turn.example.com:5349?transport=tcp"
]
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix-synapse.settings.url_preview_enabled
Is the preview URL API enabled? If enabled, you *must* specify an explicit url_preview_ip_range_blacklist of IPs that the spider is denied from accessing.

Type: boolean

Default:
```
true
```

Example:
```
false
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix-synapse.settings.url_preview_ip_range_blacklist
List of IP address CIDR ranges that the URL preview spider is denied from accessing.

Type: list of string

Default:
```
[
  "10.0.0.0/8"
  "100.64.0.0/10"
```

```
    "127.0.0.0/8"
    "169.254.0.0/16"
    "172.16.0.0/12"
    "192.0.0.0/24"
    "192.0.2.0/24"
    "192.168.0.0/16"
    "192.88.99.0/24"
    "198.18.0.0/15"
    "198.51.100.0/24"
    "2001:db8::/32"
    "203.0.113.0/24"
    "224.0.0.0/4"
    "::1/128"
    "fc00::/7"
    "fe80::/10"
    "fec0::/10"
    "ff00::/8"
  ]
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix−synapse.settings.url_preview_ip_range_whitelist
List of IP address CIDR ranges that the URL preview spider is allowed to access even if they are specified in url_preview_ip_range_blacklist.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix−synapse.settings.url_preview_url_blacklist
Optional list of URL matches that the URL preview spider is denied from accessing.

Type: list of ((attribute set of string) or string convertible to it)

Default:

```
[ ]
```

Example:

```
[
  { scheme = "http"; } # no http previews
  { netloc = "www.acme.com"; path = "/foo"; } # block http(s)://www \
.acme.com/foo
]
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix−synapse.withJemalloc
Whether to preload jemalloc to reduce memory fragmentation and overall usage.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix−synapse.workers

Options for configuring workers. Worker support will be enabled if at least one worker is configured here.

See the **worker documention** for possible options for each worker. Worker−specific options overriding the shared homeserver configuration can be specified here for each worker.

Note

Worker support will add a replication listener on port 9093 to the main synapse process using the default value of 'services.matrix−synapse.settings.listeners' and configure that listener as 'services.matrix−synapse.settings.instance_map.main'. If you set either of those options, make sure to configure a replication listener yourself.

A redis server is required for running workers. A local one can be enabled using 'services.matrix−synapse.configureRedisLocally'.

Workers also require a proper reverse proxy setup to direct incoming requests to the appropriate process. See the **reverse proxy documentation** for a general reverse proxying setup and the **worker documentation** for the available endpoints per worker application.

Type: attribute set of (open submodule of (YAML 1.1 value))

Default:

```
{ }
```

Example:

```
{
  "federation_sender" = { };
  "federation_receiver" = {
    worker_listeners = [
      {
        type = "http";
        port = 8009;
        bind_addresses = [ "127.0.0.1" ];
        tls = false;
        x_forwarded = true;
        resources = [{
          names = [ "federation" ];
        }];
      }
    ];
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix−synapse.workers.<name>.worker_app

Type of this worker

Type: one of "synapse.app.generic_worker", "synapse.app.media_repository"

Default:

```
"synapse.app.generic_worker"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix-synapse.workers.<name>.worker_listeners
List of ports that this worker should listen on, their purpose and their configuration.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix-synapse.workers.<name>.worker_listeners.*.bind_addresses
IP addresses to bind the listener to.

Type: null or (list of string)

Default:

```
if path != null then
  null
else
  [
    "::1"
    "127.0.0.1"
  ]
```

Example:

```
[
  "::"
  "0.0.0.0"
]
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix-synapse.workers.<name>.worker_listeners.*.mode
File permissions on the UNIX domain socket.

Type: null or string matching the pattern ^[0,2-7]{3,4}$

Default:

```
if path != null then
  "660"
else
  null
```

Example:

```
"660"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix-synapse.workers.<name>.worker_listeners.*.path
Unix domain socket path to bind this listener to.

Note
This option is incompatible with **bind_addresses**, **port**, **tls** and also does not support the ‘metrics’ and ‘manhole’ listener **type**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix-synapse.workers.<name>.worker_listeners.*.port
The port to listen for HTTP(S) requests on.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Example:

```
8448
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix-synapse.workers.<name>.worker_listeners.*.resources
List of HTTP resources to serve on this listener.

Type: list of (submodule)

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix-synapse.workers.<name>.worker_listeners.*.resources.*.compress
Whether synapse should compress HTTP responses to clients that support it. This should be disabled if running synapse behind a load balancer that can do automatic compression.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix-synapse.workers.<name>.worker_listeners.*.resources.*.names
List of resources to host on this listener.

Type: list of (one of “client”, “consent”, “federation”, “health”, “keys”, “media”, “metrics”, “openid”, “replication”, “static”)

Default:

```
[ ]
```

Example:

```
[
  "client"
]
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix-synapse.workers.<name>.worker_listeners.*.tls

Whether to enable TLS on the listener socket.

Note
This option will be ignored for UNIX domain sockets.

Type: null or boolean

Default:

```
  Enabled for the main instance listener, unless it is configured w \
ith a UNIX domain socket path.
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix-synapse.workers.<name>.worker_listeners.*.type

The type of the listener, usually http.

Type: one of “http”, “manhole”, “metrics”, “replication”

Default:

```
"http"
```

Example:

```
"metrics"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix-synapse.workers.<name>.worker_listeners.*.x_forwarded

Use the X-Forwarded-For (XFF) header as the client IP and not the actual client IP.

Type: boolean

Default:

```
  Enabled if the listener is configured with a UNIX domain socket p \
ath
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix-synapse.workers.<name>.worker_log_config

The file for log configuration.

See the **python documentation** for the schema and the **upstream repository** for an example.

Type: absolute path

Default: Path to a yaml file generated from this Nix expression:

```
{
  disable_existing_loggers = false;
  formatters = {
    journal_fmt = {
      format = "%(name)s: [%(request)s] %(message)s";
    };
  };
```

```
handlers = {
  journal = {
    SYSLOG_IDENTIFIER = "synapse-‹name›";
    class = "systemd.journal.JournalHandler";
    formatter = "journal_fmt";
  };
};
root = {
  handlers = [
    "journal"
  ];
  level = "INFO";
};
version = 1;
}
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse.nix>

services.matrix-tuwunel.enable
Whether to enable tuwunel.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/tuwunel.nix>

services.matrix-tuwunel.package
The matrix-tuwunel package to use.

Type: package

Default:

```
pkgs.matrix-tuwunel
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/tuwunel.nix>

services.matrix-tuwunel.extraEnvironment
Extra Environment variables to pass to the tuwunel server.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  RUST_BACKTRACE = "yes";
}
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/tuwunel.nix>

services.matrix−tuwunel.group
The group **tuwunel** is run as. If left as the default, the group will automatically be created by the service.

Type: non−empty string

Default:

```
"tuwunel"
```

Example:

```
"conduit"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/tuwunel.nix>

services.matrix−tuwunel.settings
Generates the tuwunel.toml configuration file. Refer to **https://matrix−construct.github.io/tuwunel/configuration.html** for details on supported values.

Type: open submodule of (TOML value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/tuwunel.nix>

services.matrix−tuwunel.settings.global.address
Addresses (IPv4 or IPv6) to listen on for connections by the reverse proxy/tls terminator. If set to ‘null’, tuwunel will listen on IPv4 and IPv6 localhost.

Type: null or (list of non−empty string)

Default:

```
null
```

Example:

```
[
  "127.0.0.1"
  "::1"
]
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/tuwunel.nix>

services.matrix−tuwunel.settings.global.allow_encryption
Whether new encrypted rooms can be created. Note: existing rooms will continue to work.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/tuwunel.nix>

services.matrix−tuwunel.settings.global.allow_federation
Whether this server federates with other servers.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/tuwunel.nix>

services.matrix−tuwunel.settings.global.allow_registration
Whether new users can register on this server.

Registration with token requires ‘registration_token’ or ‘registration_token_file’ to be set.

If set to true without a token configured, and ‘yes_i_am_very_very_sure_i_want_an_open_registration_server_prone_to_abuse’ is set to true, users can freely register.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/tuwunel.nix>

services.matrix−tuwunel.settings.global.max_request_size
Max request size in bytes. Don’t forget to also change it in the proxy.

Type: positive integer, meaning >0

Default:

```
20000000
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/tuwunel.nix>

services.matrix−tuwunel.settings.global.port
The port(s) tuwunel will be running on. You need to set up a reverse proxy in your web server (e.g. apache or nginx), so all requests to /_matrix on port 443 and 8448 will be forwarded to the tuwunel instance running on this port.

Type: list of 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
[
  6167
]
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/tuwunel.nix>

services.matrix−tuwunel.settings.global.server_name
The server_name is the name of this server. It is used as a suffix for user and room ids.

Type: non−empty string

Example:

```
"example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/tuwunel.nix>

services.matrix−tuwunel.settings.global.trusted_servers
Servers listed here will be used to gather public keys of other servers (notary trusted key servers).

Currently, tuwunel doesn't support inbound batched key requests, so this list should only contain other Synapse servers.

Example: '["matrix.org" "constellatory.net" "tchncs.de"]'

Type: list of non−empty string

Default:

```
[
  "matrix.org"
]
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/tuwunel.nix>

services.matrix−tuwunel.settings.global.unix_socket_path
Listen on a UNIX socket at the specified path. If listening on a UNIX socket, listening on an address will be disabled. The 'address' option must be set to 'null' (the default value). The option **services.tuwunel.group** must be set to a group your reverse proxy is part of.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/tuwunel.nix>

services.matrix−tuwunel.settings.global.unix_socket_perms
The default permissions (in octal) to create the UNIX socket with.

Type: positive integer, meaning >0

Default:

```
660
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/tuwunel.nix>

services.matrix−tuwunel.stateDirectory
The name of the directory under /var/lib/ where the database will be stored.

Note that 'stateDirectory' cannot be changed once created because of the service's reliance on systemd 'StateDirectory'.

Type: non−empty string

Default:

```
"tuwunel"
```

Example:

```
"matrix-conduit"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/tuwunel.nix>

services.matrix−tuwunel.user

The user **tuwunel** is run as. If left as the default, the user will automatically be created by the service.

Type: non−empty string

Default:

```
"tuwunel"
```

Example:

```
"conduit"
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/tuwunel.nix>

services.matter−server.enable

Whether to enable Matter−server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/home−automation/matter−server.nix>

services.matter−server.package

The python−matter−server package to use.

Type: package

Default:

```
pkgs.python−matter−server
```

Declared by:

<nixpkgs/nixos/modules/services/home−automation/matter−server.nix>

services.matter−server.extraArgs

Attribute set of extra arguments to pass to the matter−server executable. See **https://github.com/home−assistant−libs/python−matter−server?tab=readme−ov−file#running−the−development−server** for options.

Type: attribute set

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/home−automation/matter−server.nix>

services.matter−server.logLevel

Verbosity of logs from the matter−server

Type: one of “critical”, “error”, “warning”, “info”, “debug”

Default:

```
"info"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/matter−server.nix>

services.matter−server.openFirewall
Whether to open the port in the firewall.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/matter−server.nix>

services.matter−server.port
Port to expose the matter−server service on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5580
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/matter−server.nix>

services.matterbridge.enable
Whether to enable Matterbridge chat platform bridge.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/matterbridge.nix>

services.matterbridge.package
The matterbridge package to use.

Type: package

Default:

```
pkgs.matterbridge
```

Declared by:
<nixpkgs/nixos/modules/services/networking/matterbridge.nix>

services.matterbridge.configFile
WARNING: THIS IS INSECURE, as your password will end up in */nix/store*, thus publicly readable. Use ‘services.matterbridge.configPath’ instead.

The matterbridge configuration file in the TOML file format.

Type: string

Example:

```
  # WARNING: as this file contains credentials, do not use this opt \
ion!
  # It is kept only for backwards compatibility, and would cause yo \
ur
```

```
  # credentials to be in the nix-store, thus with the world-reada \
ble
  # permission bits.
  # Use services.matterbridge.configPath instead.

  [irc]
      [irc.libera]
      Server="irc.libera.chat:6667"
      Nick="matterbot"

  [mattermost]
      [mattermost.work]
       # Do not prefix it with http:// or https://
       Server="yourmattermostserver.domain"
       Team="yourteam"
       Login="yourlogin"
       Password="yourpass"
       PrefixMessagesWithNick=true

  [[gateway]]
  name="gateway1"
  enable=true
      [[gateway.inout]]
      account="irc.libera"
      channel="#testing"

      [[gateway.inout]]
      account="mattermost.work"
      channel="off-topic"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/matterbridge.nix>

services.matterbridge.configPath

The path to the matterbridge configuration file.

Type: null or string

Default:

```
null
```

Example:

```
"/etc/nixos/matterbridge.toml"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/matterbridge.nix>

services.matterbridge.group

Group which runs the matterbridge service.

Type: string

Default:

```
"matterbridge"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/matterbridge.nix>

services.matterbridge.user
User which runs the matterbridge service.

Type: string

Default:

```
"matterbridge"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/matterbridge.nix>

services.mattermost.enable
Whether to enable Mattermost chat server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mattermost.nix>

services.mattermost.package
The mattermost package to use.

Type: package

Default:

```
pkgs.mattermost
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mattermost.nix>

services.mattermost.configDir
Mattermost config directory.

Type: absolute path

Default:

```
if versionAtLeast config.system.stateVersion "25.05" then
  "/etc/mattermost"
else
  "''${config.services.mattermost.dataDir}/config";
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mattermost.nix>

services.mattermost.dataDir
Mattermost working directory.

Type: absolute path

Default:

```
"/var/lib/mattermost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mattermost.nix>

services.mattermost.database.create
Create a local PostgreSQL database for Mattermost automatically.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mattermost.nix>

services.mattermost.database.extraConnectionOptions
Extra options that are placed in the connection URI's query parameters.

Type: attribute set of (signed integer or string)

Default:

```
{
  sslmode = "disable";
  connect_timeout = 60;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mattermost.nix>

services.mattermost.database.fromEnvironment
Use services.mattermost.environmentFile to configure the database instead of writing the database URI to the Nix store. Useful if you use password authentication with peerAuth set to false.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mattermost.nix>

services.mattermost.database.host
Host to use for the database. Can also be set to a path if you'd like to connect to a socket using a username and password.

Type: string

Default:

```
"localhost"
```

Example:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mattermost.nix>

services.mattermost.database.name
Local Mattermost database name.

Type: string

Default:

```
"mattermost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mattermost.nix>

services.mattermost.database.password
Password for local Mattermost database user. If set and peerAuth is not true, will cause a warning nagging you to use environmentFile instead since it will end up in the Nix store.

Type: string

Default:

```
"mmpgsecret"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mattermost.nix>

services.mattermost.database.peerAuth
If set, will use peer auth instead of connecting to a Postgres server. Use services.mattermost.database.socketPath to configure the socket path.

Type: boolean

Default:

```
  versionAtLeast config.system.stateVersion "25.05" && config.servi \
ces.mattermost.database.host == "localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mattermost.nix>

services.mattermost.database.port
Port to use for the database.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5432
```

Example:

```
1234
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mattermost.nix>

services.mattermost.database.socketPath
The database socket path.

Type: absolute path

Default:

```
"/run/postgresql"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mattermost.nix>

services.mattermost.database.user
Local Mattermost database username.

Type: string

Default:

```
"mattermost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mattermost.nix>

services.mattermost.environment
Extra environment variables to export to the Mattermost process from the systemd unit configuration.

Type: attribute set of (signed integer or string)

Default:

```
{ }
```

Example:

```
{
  MM_SERVICESETTINGS_SITEURL = "http://example.com";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mattermost.nix>

services.mattermost.environmentFile
Environment file (see **systemd.exec**(5) “EnvironmentFile=” section for the syntax) which sets config options for mattermost (see **the Mattermost documentation**).

Settings defined in the environment file will overwrite settings set via Nix or via the **services.mattermost.extraConfig** option.

Useful for setting config options without their value ending up in the (world−readable) Nix store, e.g. for a database password.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mattermost.nix>

services.mattermost.group
Group which runs the Mattermost service.

Type: string

Default:

```
"mattermost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mattermost.nix>

services.mattermost.host
Host or address that this Mattermost instance listens on.

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mattermost.nix>

services.mattermost.logDir
Mattermost log directory.

Type: absolute path

Default:

```
  if versionAtLeast config.system.stateVersion "25.05" then "/var/l \
og/mattermost"
  else "''${config.services.mattermost.dataDir}/logs";
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/mattermost.nix>

services.mattermost.matterircd.enable
Whether to enable Mattermost IRC bridge.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/mattermost.nix>

services.mattermost.matterircd.package
The matterircd package to use.

Type: package

Default:

```
pkgs.matterircd
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/mattermost.nix>

services.mattermost.matterircd.parameters
Set commandline parameters to pass to matterircd. See **https://github.com/42wim/matterircd#usage** for more information.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-mmserver chat.example.com"
  "-bind [::]:6667"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/mattermost.nix>

services.mattermost.mutableConfig

Whether the Mattermost config.json is writeable by Mattermost.

Most of the settings can be edited in the system console of Mattermost if this option is enabled. A template config using the options specified in services.mattermost will be generated but won't be overwritten on changes or rebuilds.

If this option is disabled, persistent changes in the system console won't be possible (the default). If a config.json is present, it will be overwritten at service start!

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mattermost.nix>

services.mattermost.plugins

Plugins to add to the configuration. Overrides any installed if non−null. This is a list of paths to .tar.gz files or derivations evaluating to .tar.gz files. You can use 'mattermost.buildPlugin' to build plugins; see the NixOS documentation for more details.

Type: list of (absolute path or package)

Default:

```
[ ]
```

Example:

```
"[ ./com.github.moussetc.mattermost.plugin.giphy−2.0.0.tar.gz ]"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mattermost.nix>

services.mattermost.pluginsBundle

Derivation building to a directory of plugin tarballs. This overrides **services.mattermost.plugins** if provided.

Type: null or package

Default:

```
All entries in {config}'services.mattermost.plugins', repacked
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mattermost.nix>

services.mattermost.port

Port for Mattermost server to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8065
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mattermost.nix>

services.mattermost.preferNixConfig

If both mutableConfig and this option are set, the Nix configuration will take precedence over any settings configured in the server console.

Type: boolean

Default:

```
versionAtLeast config.system.stateVersion "25.05";
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mattermost.nix>

services.mattermost.settings

Additional configuration options as Nix attribute set in config.json schema.

Type: JSON value

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mattermost.nix>

services.mattermost.siteName

Name of this Mattermost site.

Type: string

Default:

```
"Mattermost"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mattermost.nix>

services.mattermost.siteUrl

URL this Mattermost instance is reachable under, without trailing slash.

Type: string

Example:

```
"https://chat.example.com"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mattermost.nix>

services.mattermost.socket.enable

Whether to enable Mattermost control socket.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mattermost.nix>

services.mattermost.socket.export

Whether to enable Export socket control to system environment variables.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mattermost.nix>

services.mattermost.socket.path

Default location for the Mattermost control socket used by ‘mmctl’.

Type: absolute path

Default:

```
"\${config.mattermost.dataDir}/mattermost.sock"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mattermost.nix>

services.mattermost.telemetry.enableDiagnostics

True if we should enable sending diagnostic data. This reaches out to Mattermost’s servers: https://docs.mattermost.com/manage/telemetry.html#error−and−diagnostics−reporting−feature

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mattermost.nix>

services.mattermost.telemetry.enableSecurityAlerts

True if we should enable security update checking. This reaches out to Mattermost’s servers: https://docs.mattermost.com/manage/telemetry.html#security−update−check−feature

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mattermost.nix>

services.mattermost.user

User which runs the Mattermost service.

Type: string

Default:

```
"mattermost"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mattermost.nix>

services.maubot.enable

Whether to enable maubot.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/maubot.nix>

services.maubot.package

The maubot package to use.

Type: package

Default:

```
pkgs.maubot
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/maubot.nix>

services.maubot.configMutable

Whether maubot should write updated config into ‘extraConfigFile’. **This will make your Nix module settings have no effect besides the initial config, as extraConfigFile takes precedence over NixOS settings!**

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/maubot.nix>

services.maubot.dataDir

The directory where maubot stores its stateful data.

Type: string

Default:

```
"/var/lib/maubot"
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/maubot.nix>

services.maubot.extraConfigFile

A file for storing secrets. You can pass homeserver registration keys here. If it already exists, **it must contain** ‘server.unshared_secret’ which is used for signing API keys. If ‘configMutable’ is not set to true, **maubot user must have write access to this file**.

Type: string

Default:

```
"${config.services.maubot.dataDir}/config.yaml"
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/maubot.nix>

services.maubot.plugins

List of additional maubot plugins to make available.

Type: list of package

Default:

```
[ ]
```

Example:

```
with config.services.maubot.package.plugins; [
  xyz.maubot.reactbot
  xyz.maubot.rss
];
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/maubot.nix>

services.maubot.pythonPackages

List of additional Python packages to make available for maubot.

Type: list of package

Default:

```
[ ]
```

Example:

```
with pkgs.python3Packages; [
  aiohttp
];
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/maubot.nix>

services.maubot.settings

YAML settings for maubot. See the **example configuration** for more info.

Secrets should be passed in by using ‘extraConfigFile’.

Type: submodule

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/maubot.nix>

services.maubot.settings.admins

List of administrator users. Plaintext passwords will be bcrypted on startup. Set empty password to prevent normal login. Root is a special user that can’t have a password and will always exist.

Type: attribute set of string

Default:

```
{
  root = "";
}
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/maubot.nix>

services.maubot.settings.api_features

API feature switches.

Type: attribute set of boolean

Default:

```
{
  client = true;
  client_auth = true;
  client_proxy = true;
  dev_open = true;
  instance = true;
  instance_database = true;
  log = true;
  login = true;
  plugin = true;
  plugin_upload = true;
}
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/maubot.nix>

services.maubot.settings.crypto_database

Separate database URL for the crypto database. By default, the regular database is also used for crypto.

Type: string

Default:

```
"default"
```

Example:

```
"postgresql://username:password@hostname/dbname"
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/maubot.nix>

services.maubot.settings.database

The full URI to the database. SQLite and Postgres are fully supported. Other DBMSes supported by SQLAlchemy may or may not work.

Type: string

Default:

```
"sqlite:maubot.db"
```

Example:

```
"postgresql://username:password@hostname/dbname"
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/maubot.nix>

services.maubot.settings.database_opts

Additional arguments for asyncpg.create_pool() or sqlite3.connect()

Type: attribute set

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/maubot.nix>

services.maubot.settings.homeservers
Known homeservers. This is required for the ‘mbc auth’ command and also allows more convenient access from the management UI. If you want to specify registration secrets, pass this via extraConfigFile instead.

Type: attribute set of (submodule)

Default:

```
{
  "matrix.org" = {
    url = "https://matrix-client.matrix.org";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/maubot.nix>

services.maubot.settings.homeservers.<name>.url
Client−server API URL

Type: string

Declared by:
<nixpkgs/nixos/modules/services/matrix/maubot.nix>

services.maubot.settings.logging
Python logging configuration. See **section 16.7.2 of the Python documentation** for more info.

Type: attribute set

Default:

```
{
  formatters = {
    colored = {
      "()" = "maubot.lib.color_log.ColorFormatter";
      format = "[%(asctime)s] [%(levelname)s@%(name)s] %(message)s" \
;
    };
    normal = {
      format = "[%(asctime)s] [%(levelname)s@%(name)s] %(message)s" \
;
    };
  };
  handlers = {
    console = {
      class = "logging.StreamHandler";
      formatter = "colored";
    };
    file = {
      backupCount = 10;
      class = "logging.handlers.RotatingFileHandler";
      filename = "./maubot.log";
      formatter = "normal";
      maxBytes = 10485760;
    };
```

```
      };
      loggers = {
        aiohttp = {
          level = "INFO";
        };
        mau = {
          level = "DEBUG";
        };
        maubot = {
          level = "DEBUG";
        };
      };
      root = {
        handlers = [
          "file"
          "console"
        ];
        level = "DEBUG";
      };
      version = 1;
    }
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/maubot.nix>

services.maubot.settings.plugin_databases
Plugin database settings

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/maubot.nix>

services.maubot.settings.plugin_databases.postgres
The connection URL for plugin database. See **example config** for exact format.

Type: null or string

Default:

```
if isPostgresql config.services.maubot.settings.database then "defa \
ult" else null
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/maubot.nix>

services.maubot.settings.plugin_databases.postgres_max_conns_per_plugin
Maximum number of connections per plugin instance.

Type: null or signed integer

Default:

```
3
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/maubot.nix>

services.maubot.settings.plugin_databases.postgres_opts
Overrides for the default database_opts when using a non−default postgres connection URL.

Type: attribute set

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/maubot.nix>

services.maubot.settings.plugin_databases.sqlite
The directory where SQLite plugin databases should be stored.

Type: string

Default:

```
"${config.services.maubot.dataDir}/plugins"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/maubot.nix>

services.maubot.settings.plugin_directories
Plugin directory paths

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/maubot.nix>

services.maubot.settings.plugin_directories.load
The directories from which plugins should be loaded. Duplicate plugin IDs will be moved to the trash.

Type: list of string

Default:

```
[ "${config.services.maubot.dataDir}/plugins" ]
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/maubot.nix>

services.maubot.settings.plugin_directories.trash
The directory where old plugin versions and conflicting plugins should be moved. Set to null to delete files immediately.

Type: null or string

Default:

```
"${config.services.maubot.dataDir}/trash"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/maubot.nix>

services.maubot.settings.plugin_directories.upload
The directory where uploaded new plugins should be stored.

Type: string

Default:

```
"${config.services.maubot.dataDir}/plugins"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/maubot.nix>

services.maubot.settings.server
Listener config

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/maubot.nix>

services.maubot.settings.server.hostname
The IP to listen on

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/maubot.nix>

services.maubot.settings.server.override_resource_path
Override path from where to load UI resources.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/maubot.nix>

services.maubot.settings.server.plugin_base_path
The base path for plugin endpoints. The instance ID will be appended directly.

Type: string

Default:

```
"${config.services.maubot.settings.server.ui_base_path}/plugin/"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/maubot.nix>

services.maubot.settings.server.port
The port to listen on

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
29316
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/maubot.nix>

services.maubot.settings.server.public_url
Public base URL where the server is visible.

Type: string

Default:

```
"http://${config.services.maubot.settings.server.hostname}:${toStri \
ng config.services.maubot.settings.server.port}"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/maubot.nix>

services.maubot.settings.server.ui_base_path
The base path for the UI.

Type: string

Default:

```
"/_matrix/maubot"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/maubot.nix>

services.mautrix−discord.enable
Whether to enable Mautrix−Discord, a Matrix−Discord puppeting/relay−bot bridge.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/mautrix−discord.nix>

services.mautrix−discord.package
The mautrix−discord package to use.

Type: package

Default:

```
pkgs.mautrix−discord
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/mautrix−discord.nix>

services.mautrix−discord.dataDir
Directory to store the bridge's configuration and database files. This directory will be created if it does not exist.

Type: absolute path

Default:

```
"/var/lib/mautrix−discord"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/mautrix−discord.nix>

services.mautrix−discord.environmentFile
File containing environment variables to substitute when copying the configuration out of Nix store to the 'services.mautrix−discord.dataDir'. Can be used for storing the secrets without making them available in the Nix store. For example, you can set 'services.mautrix−discord.settings.appservice.as_token = "$MAUTRIX_DISCORD_APPSERVICE_AS_TOKEN"' and then specify 'MAUTRIX_DISCORD_APPSERVICE_AS_TOKEN="{token}"' in the environment file. This value will get substituted into the configuration file as a token.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/mautrix−discord.nix>

services.mautrix−discord.registerToSynapse

Whether to add the bridge's app service registration file to 'services.matrix−synapse.settings.app_service_config_files'.

Type: boolean

Default:

```
config.services.matrix−synapse.enable
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/mautrix−discord.nix>

services.mautrix−discord.registrationServiceUnit

The registration service that generates the registration file. Systemd unit (a service or a target) for other services to depend on if they need to be started after mautrix−discord registration service. This option is useful as the actual parent unit for all matrix−synapse processes changes when configuring workers.

Type: string *(read only)*

Default:

```
"mautrix−discord−registration.service"
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/mautrix−discord.nix>

services.mautrix−discord.serviceDependencies

List of Systemd services to require and wait for when starting the application service.

Type: list of string

Default:

```
  [ cfg.registrationServiceUnit ] ++
  (lib.lists.optional config.services.matrix−synapse.enable config \
.services.matrix−synapse.serviceUnit) ++
  (lib.lists.optional config.services.matrix−conduit.enable "matri \
x−conduit.service") ++
  (lib.lists.optional config.services.dendrite.enable "dendrite.ser \
vice");
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/mautrix−discord.nix>

services.mautrix−discord.serviceUnit

The systemd unit (a service or a target) for other services to depend on if they need to be started after matrix−synapse. This option is useful as the actual parent unit for all matrix−synapse processes changes when configuring workers.

Type: string *(read only)*

Default:

```
"mautrix−discord.service"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/mautrix−discord.nix>

services.mautrix−discord.settings
config.yaml configuration as a Nix attribute set. Configuration options should match those described in **example−config.yaml**.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Example:

```
{
  homeserver = {
    address = "http://localhost:8008";
    domain = "public−domain.tld";
  };
  appservice.public = {
    prefix = "/public";
    external = "https://public−appservice−address/public";
  };
  bridge.permissions = {
    "example.com" = "user";
    "@admin:example.com" = "admin";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/mautrix−discord.nix>

services.mautrix−discord.settings.appservice
Appservice configuration. See **example−config.yaml** for more information.

Type: attribute set

Default:

```
{
  address = "http://localhost:29334";
  hostname = "0.0.0.0";
  port = 29334;
  database = {
    type = "sqlite3";
    uri = "file:${config.services.mautrix−discord.dataDir}/mautrix \
−discord.db?_txlock=immediate";
    max_open_conns = 20;
    max_idle_conns = 2;
    max_conn_idle_time = null;
    max_conn_lifetime = null;
  };
  id = "discord";
  bot = {
    username = "discordbot";
    displayname = "Discord bridge bot";
    avatar = "mxc://maunium.net/nIdEykemnwdisvHbpxflpDlC";
  };
  ephemeral_events = true;
```

```
  async_transactions = false;
  as_token = "This value is generated when generating the registrat \
ion";
  hs_token = "This value is generated when generating the registrat \
ion";
}
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/mautrix-discord.nix>

services.mautrix-discord.settings.bridge

Bridge configuration. See **example-config.yaml** for more information.

Type: attribute set

Default:

```
{
  animated_sticker = {
    args = {
      fps = 25;
      height = 320;
      width = 320;
    };
    target = "webp";
  };
  autojoin_thread_on_open = true;
  avatar_proxy_key = "generate";
  backfill = {
    forward_limits = {
      initial = {
        channel = 0;
        dm = 0;
        thread = 0;
      };
      max_guild_members = -1;
      missed = {
        channel = 0;
        dm = 0;
        thread = 0;
      };
    };
  };
  cache_media = "unencrypted";
  channel_name_template = "{{if or (eq .Type 3) (eq .Type 4)}}{{.Na \
me}}{{else}}#{{.Name}}{{end}}";
  command_prefix = "!discord";
  custom_emoji_reactions = true;
  delete_guild_on_leave = true;
  delete_portal_on_channel_delete = false;
  delivery_receipts = false;
  direct_media = {
    allow_proxy = true;
    enabled = false;
    server_key = "generate";
  };
```

```
  displayname_template = "{{if .Webhook}}Webhook{{else}}{{or .Globa \
lName .Username}}{{if .Bot}} (bot){{end}}{{end}}";
  double_puppet_allow_discovery = false;
  double_puppet_server_map = { };
  embed_fields_as_tables = true;
  enable_webhook_avatars = false;
  encryption = {
    allow = false;
    allow_key_sharing = false;
    appservice = false;
    default = false;
    delete_keys = {
      delete_fully_used_on_decrypt = false;
      delete_on_device_delete = false;
      delete_outbound_on_ack = false;
      delete_outdated_inbound = false;
      delete_prev_on_new_session = false;
      dont_store_outbound = false;
      periodically_delete_expired = false;
      ratchet_on_decrypt = false;
    };
    msc4190 = false;
    plaintext_mentions = false;
    require = false;
    rotation = {
      disable_device_change_key_rotation = false;
      enable_custom = false;
      messages = 100;
      milliseconds = 604800000;
    };
    verification_levels = {
      receive = "unverified";
      send = "unverified";
      share = "cross-signed-tofu";
    };
  };
  federate_rooms = true;
  guild_name_template = "{{.Name}}";
  login_shared_secret_map = { };
  management_room_text = {
    additional_help = "";
    welcome = "Hello, I'm a Discord bridge bot.";
    welcome_connected = "Use 'help' for help.";
    welcome_unconnected = "Use 'help' for help or 'login' to log in \
.";
  };
  message_error_notices = true;
  message_status_events = false;
  mute_channels_on_create = false;
  permissions = {
    "*" = "relay";
  };
  portal_message_buffer = 128;
```

```
  prefix_webhook_messages = true;
  private_chat_portal_meta = "default";
  provisioning = {
    debug_endpoints = false;
    prefix = "/_matrix/provision";
    shared_secret = "generate";
  };
  public_address = null;
  resend_bridge_info = false;
  restricted_rooms = true;
  startup_private_channel_create_limit = 5;
  sync_direct_chat_list = false;
  use_discord_cdn_upload = true;
  username_template = "discord_{{.}}";
}
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/mautrix-discord.nix>

services.mautrix-discord.settings.homeserver

fullDataDiration. See **example-config.yaml** for more information.

Type: attribute set

Default:

```
{
  async_media = false;
  message_send_checkpoint_endpoint = null;
  ping_interval_seconds = 0;
  software = "standard";
  status_endpoint = null;
  websocket = false;
}
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/mautrix-discord.nix>

services.mautrix-discord.settings.logging

Logging configuration. See **example-config.yaml** for more information.

Type: attribute set

Default:

```
{
  min_level = "info";
  writers = [
    {
      format = "pretty-colored";
      time_format = " ";
      type = "stdout";
    }
  ];
}
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/mautrix-discord.nix>

services.mautrix−meta.package

The mautrix−meta package to use.

Type: package

Default:

```
pkgs.mautrix−meta
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/mautrix−meta.nix>

services.mautrix−meta.instances

Configuration of multiple ‘mautrix−meta’ instances. ‘services.mautrix−meta.instances.facebook’ and ‘services.mautrix−meta.instances.instagram’ come preconfigured with network.mode, appservice.id, bot username, display name and avatar.

Type: attribute set of (submodule)

Example:

```
{
  facebook = {
    enable = true;
    settings = {
      homeserver.domain = "example.com";
    };
  };

  instagram = {
    enable = true;
    settings = {
      homeserver.domain = "example.com";
    };
  };

  messenger = {
    enable = true;
    settings = {
      network.mode = "messenger";
      homeserver.domain = "example.com";
      appservice = {
        id = "messenger";
        bot = {
          username = "messengerbot";
          displayname = "Messenger bridge bot";
          avatar = "mxc://maunium.net/ygtkteZsXnGJLJHRchUwYWak";
        };
      };
    };
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/mautrix−meta.nix>

services.mautrix−meta.instances.<name>.enable

Whether to enable Mautrix−Meta, a Matrix <−> Facebook and Matrix <−> Instagram hybrid puppeting/relaybot bridge.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/mautrix−meta.nix>

services.mautrix−meta.instances.<name>.dataDir

Path to the directory with database, registration, and other data for the bridge service. This path is relative to '/var/lib', it cannot start with '../' (it cannot be outside of '/var/lib').

Type: string

Default:

```
"mautrix−meta−‹name›"
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/mautrix−meta.nix>

services.mautrix−meta.instances.<name>.environmentFile

File containing environment variables to substitute when copying the configuration out of Nix store to the 'services.mautrix−meta.dataDir'.

Can be used for storing the secrets without making them available in the Nix store.

For example, you can set 'services.mautrix−meta.settings.appservice.as_token = "$MAUTRIX_META_APPSERVICE_AS_TOKEN"' and then specify 'MAUTRIX_META_APPSERVICE_AS_TOKEN="{token}"' in the environment file. This value will get substituted into the configuration file as as token.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/mautrix−meta.nix>

services.mautrix−meta.instances.<name>.registerToSynapse

Whether to add registration file to 'services.matrix−synapse.settings.app_service_config_files' and make Synapse wait for registration service.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/mautrix−meta.nix>

services.mautrix−meta.instances.<name>.registrationFile
Path to the yaml registration file of the appservice.

Type: absolute path *(read only)*

Declared by:
<nixpkgs/nixos/modules/services/matrix/mautrix−meta.nix>

services.mautrix−meta.instances.<name>.registrationServiceUnit
The registration service that generates the registration file.

Systemd unit (a service or a target) for other services to depend on if they need to be started after mautrix−meta registration service.

This option is useful as the actual parent unit for all matrix−synapse processes changes when configuring workers.

Type: string *(read only)*

Declared by:
<nixpkgs/nixos/modules/services/matrix/mautrix−meta.nix>

services.mautrix−meta.instances.<name>.serviceDependencies
List of Systemd services to require and wait for when starting the application service.

Type: list of string

Default:

```
  [ config.registrationServiceUnit ] ++
  (lib.lists.optional upperConfig.services.matrix−synapse.enable u \
pperConfig.services.matrix−synapse.serviceUnit) ++
  (lib.lists.optional upperConfig.services.matrix−conduit.enable " \
matrix−conduit.service") ++
  (lib.lists.optional upperConfig.services.dendrite.enable "dendrit \
e.service");
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/mautrix−meta.nix>

services.mautrix−meta.instances.<name>.serviceUnit
The systemd unit (a service or a target) for other services to depend on if they need to be started after matrix−synapse.

This option is useful as the actual parent unit for all matrix−synapse processes changes when configuring workers.

Type: string *(read only)*

Declared by:
<nixpkgs/nixos/modules/services/matrix/mautrix−meta.nix>

services.mautrix−meta.instances.<name>.settings
config.yaml configuration as a Nix attribute set. Configuration options should match those described in **example−config.yaml**.

Secret tokens should be specified using **environmentFile** instead

Type: YAML 1.1 value

Default:

```
{
  homeserver = {
    software = "standard";
    address = "https:///''${config.settings.homeserver.domain}";
```

```
    };

    appservice = {
      database = {
        type = "sqlite3-fk-wal";
        uri = "file:''${fullDataDir config}/mautrix-meta.db?_txloc \
k=immediate";
      };

      hostname = "localhost";
      port = 29319;
      address = "http://''${config.settings.appservice.hostname}:'' \
${toString config.settings.appservice.port}";
    };

    bridge = {
      # Require encryption by default to make the bridge more secur \
e
      encryption = {
        allow = true;
        default = true;
        require = true;

        # Recommended options from mautrix documentation
        # for optimal security.
        delete_keys = {
          dont_store_outbound = true;
          ratchet_on_decrypt = true;
          delete_fully_used_on_decrypt = true;
          delete_prev_on_new_session = true;
          delete_on_device_delete = true;
          periodically_delete_expired = true;
          delete_outdated_inbound = true;
        };

        verification_levels = {
          receive = "cross-signed-tofu";
          send = "cross-signed-tofu";
          share = "cross-signed-tofu";
        };
      };
    };

    logging = {
      min_level = "info";
      writers = lib.singleton {
        type = "stdout";
        format = "pretty-colored";
        time_format = " ";
      };
    };
  };
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/mautrix−meta.nix>

services.mautrix−signal.enable
Whether to enable mautrix−signal, a Matrix−Signal puppeting bridge.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/mautrix−signal.nix>

services.mautrix−signal.package
The mautrix−signal package to use.

Type: package

Default:

```
pkgs.mautrix−signal
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/mautrix−signal.nix>

services.mautrix−signal.environmentFile
File containing environment variables to be passed to the mautrix−signal service. If an environment variable 'MAUTRIX_SIGNAL_BRIDGE_LOGIN_SHARED_SECRET' is set, then its value will be used in the configuration file for the option 'double_puppet.secrets' without leaking it to the store, using the configured 'homeserver.domain' as key.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/mautrix−signal.nix>

services.mautrix−signal.registerToSynapse
Whether to add the bridge's app service registration file to 'services.matrix−synapse.settings.app_service_config_files'.

Type: boolean

Default:

```
config.services.matrix−synapse.enable
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/mautrix−signal.nix>

services.mautrix−signal.serviceDependencies
List of systemd units to require and wait for when starting the application service.

Type: list of string

Default:

```
(optional config.services.matrix−synapse.enable config.services.ma \
trix−synapse.serviceUnit)
++ (optional config.services.matrix−conduit.enable "conduit.servic \
```

```
e")
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/mautrix−signal.nix>

services.mautrix−signal.settings

config.yaml configuration as a Nix attribute set. Configuration options should match those described in the example configuration. Get an example configuration by executing ‘mautrix−signal −c example.yaml −−generate−example−config’ Secret tokens should be specified using **environmentFile** instead of this world−readable attribute set.

Type: JSON value

Default:

```
{
  appservice = {
    as_token = "";
    bot = {
      displayname = "Signal Bridge Bot";
      username = "signalbot";
    };
    hostname = "[::]";
    hs_token = "";
    id = "signal";
    port = 29328;
    username_template = "signal_{{.}}";
  };
  bridge = {
    command_prefix = "!signal";
    permissions = {
      "*" = "relay";
    };
    relay = {
      enabled = true;
    };
  };
  database = {
    type = "sqlite3";
    uri = "file:/var/lib/mautrix−signal/mautrix−signal.db?_txlock \
=immediate";
  };
  direct_media = {
    server_key = "";
  };
  double_puppet = {
    secrets = { };
    servers = { };
  };
  encryption = {
    pickle_key = "";
  };
  homeserver = {
    address = "http://localhost:8448";
  };
  logging = {
```

```
      min_level = "info";
      writers = [
        {
          format = "pretty-colored";
          time_format = " ";
          type = "stdout";
        }
      ];
    };
    network = {
      displayname_template = "{{or .ProfileName .PhoneNumber \"Unkno \
  wn user\"}}";
    };
    provisioning = {
      shared_secret = "";
    };
    public_media = {
      signing_key = "";
    };
  }
```

Example:

```
  {
    appservice = {
      ephemeral_events = false;
      id = "signal";
    };
    backfill = {
      enabled = true;
    };
    bridge = {
      mute_only_on_create = false;
      permissions = {
        "example.com" = "user";
      };
      private_chat_portal_meta = true;
    };
    database = {
      type = "postgres";
      uri = "postgresql:///mautrix_signal?host=/run/postgresql";
    };
    encryption = {
      allow = true;
      default = true;
      pickle_key = "$ENCRYPTION_PICKLE_KEY";
      require = true;
    };
    homeserver = {
      address = "http://[::1]:8008";
      domain = "my-domain.tld";
    };
    matrix = {
      message_status_events = true;
```

```
    };
    provisioning = {
      shared_secret = "disable";
    };
  }
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/mautrix−signal.nix>

services.mautrix−telegram.enable
Whether to enable Mautrix−Telegram, a Matrix−Telegram hybrid puppeting/relaybot bridge.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/mautrix−telegram.nix>

services.mautrix−telegram.package
The mautrix−telegram package to use.

Type: package

Default:

```
pkgs.mautrix-telegram
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/mautrix−telegram.nix>

services.mautrix−telegram.environmentFile
File containing environment variables to be passed to the mautrix−telegram service, in which secret tokens can be specified securely by defining values for e.g. ‘MAUTRIX_TELEGRAM_APPSERVICE_AS_TOKEN’, ‘MAUTRIX_TELEGRAM_APPSERVICE_HS_TOKEN’, ‘MAUTRIX_TELEGRAM_TELEGRAM_API_ID’, ‘MAUTRIX_TELEGRAM_TELEGRAM_API_HASH’ and optionally ‘MAUTRIX_TELEGRAM_TELEGRAM_BOT_TOKEN’.

These environment variables can also be used to set other options by replacing hierarchy levels by ‘.’, converting the name to uppercase and prepending ‘MAUTRIX_TELEGRAM_’. For example, the first value above maps to **settings.appservice.as_token**.

The environment variable values can be prefixed with ‘json::’ to have them be parsed as JSON. For example, ‘login_shared_secret_map’ can be set as follows: ‘MAUTRIX_TELEGRAM_BRIDGE_LOGIN_SHARED_SECRET_MAP=json::{"example.com":"secret"}’.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/mautrix−telegram.nix>

services.mautrix−telegram.registerToSynapse

Whether to add the bridge's app service registration file to 'services.matrix−synapse.settings.app_service_config_files'.

Type: boolean

Default:

```
config.services.matrix-synapse.enable
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/mautrix−telegram.nix>

services.mautrix−telegram.serviceDependencies

List of Systemd services to require and wait for when starting the application service.

Type: list of string

Default:

```
lib.optional config.services.matrix-synapse.enable config.services \
.matrix-synapse.serviceUnit
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/mautrix−telegram.nix>

services.mautrix−telegram.settings

config.yaml configuration as a Nix attribute set. Configuration options should match those described in **example−config.yaml**.

Secret tokens should be specified using **environmentFile** instead of this world−readable attribute set.

Type: JSON value

Default:

```
{
  appservice = {
    address = "http://localhost:8080";
    database = "sqlite:////var/lib/mautrix-telegram/mautrix-teleg \
ram.db";
    database_opts = { };
    hostname = "0.0.0.0";
    port = 8080;
  };
  bridge = {
    double_puppet_server_map = { };
    login_shared_secret_map = { };
    permissions = {
      "*" = "relaybot";
    };
    relaybot = {
      whitelist = [ ];
    };
  };
  homeserver = {
    software = "standard";
  };
  logging = {
    formatters = {
      precise = {
```

```
            format = "[%(levelname)s@%(name)s] %(message)s";
          };
        };
        handlers = {
          console = {
            class = "logging.StreamHandler";
            formatter = "precise";
          };
        };
        loggers = {
          aiohttp = {
            level = "WARNING";
          };
          mau = {
            level = "INFO";
          };
          telethon = {
            level = "INFO";
          };
        };
        root = {
          handlers = [
            "console"
          ];
          level = "INFO";
        };
        version = 1;
      };
    }
```

Example:

```
    {
      homeserver = {
        address = "http://localhost:8008";
        domain = "public-domain.tld";
      };
      appservice.public = {
        prefix = "/public";
        external = "https://public-appservice-address/public";
      };
      bridge.permissions = {
        "example.com" = "full";
        "@admin:example.com" = "admin";
      };
      telegram = {
        connection.use_ipv6 = true;
      };
    }
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/mautrix-telegram.nix>

services.mautrix−whatsapp.enable

Whether to enable mautrix−whatsapp, a Matrix−WhatsApp puppeting bridge.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/mautrix−whatsapp.nix>

services.mautrix−whatsapp.package

The mautrix−whatsapp package to use.

Type: package

Default:

```
pkgs.mautrix−whatsapp
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/mautrix−whatsapp.nix>

services.mautrix−whatsapp.environmentFile

File containing environment variables to be passed to the mautrix−whatsapp service. If an environment variable 'MAUTRIX_WHATSAPP_BRIDGE_LOGIN_SHARED_SECRET' is set, then its value will be used in the configuration file for the option 'double_puppet.secrets' without leaking it to the store, using the configured 'homeserver.domain' as key.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/mautrix−whatsapp.nix>

services.mautrix−whatsapp.registerToSynapse

Whether to add the bridge's app service registration file to 'services.matrix−synapse.settings.app_service_config_files'.

Type: boolean

Default:

```
config.services.matrix−synapse.enable
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/mautrix−whatsapp.nix>

services.mautrix−whatsapp.serviceDependencies

List of systemd units to require and wait for when starting the application service.

Type: list of string

Default:

```
optional config.services.matrix−synapse.enable config.services.mat \
rix−synapse.serviceUnit
++ optional config.services.matrix−conduit.enable "conduit.service \
"
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/mautrix−whatsapp.nix>

services.mautrix−whatsapp.settings

config.yaml configuration as a Nix attribute set. Configuration options should match those described in the example configuration. Get an example configuration by executing 'mautrix−whatsapp −c example.yaml −−generate−example−config' Secret tokens should be specified using **environmentFile** instead of this world−readable attribute set.

Type: JSON value

Default:

```
{
  appservice = {
    as_token = "";
    bot = {
      displayname = "WhatsApp Bridge Bot";
      username = "whatsappbot";
    };
    hostname = "[::]";
    hs_token = "";
    id = "whatsapp";
    port = 29318;
    username_template = "whatsapp_{{.}}";
  };
  bridge = {
    command_prefix = "!wa";
    permissions = {
      "*" = "relay";
    };
    relay = {
      enabled = true;
    };
  };
  database = {
    type = "sqlite3−fk−wal";
    uri = "file:/var/lib/mautrix−whatsapp/mautrix−whatsapp.db?_tx \
lock=immediate";
  };
  direct_media = {
    server_key = "";
  };
  double_puppet = {
    secrets = { };
    servers = { };
  };
  encryption = {
    pickle_key = "";
  };
  homeserver = {
    address = "http://localhost:8448";
  };
  logging = {
    min_level = "info";
```

```
      writers = [
        {
          format = "pretty-colored";
          time_format = " ";
          type = "stdout";
        }
      ];
    };
    network = {
      displayname_template = "{{or .BusinessName .PushName .Phone}} ( \
  WA)";
      history_sync = {
        request_full_sync = true;
      };
      identity_change_notices = true;
    };
    provisioning = {
      shared_secret = "";
    };
    public_media = {
      signing_key = "";
    };
  }
```

Example:

```
  {
    appservice = {
      ephemeral_events = false;
      id = "whatsapp";
    };
    backfill = {
      enabled = true;
    };
    bridge = {
      mute_only_on_create = false;
      permissions = {
        "example.com" = "user";
      };
      private_chat_portal_meta = true;
    };
    database = {
      type = "postgres";
      uri = "postgresql:///mautrix_whatsapp?host=/run/postgresql";
    };
    encryption = {
      allow = true;
      default = true;
      pickle_key = "$ENCRYPTION_PICKLE_KEY";
      require = true;
    };
    homeserver = {
      address = "http://[::1]:8008";
      domain = "my-domain.tld";
```

```
    };
    matrix = {
      message_status_events = true;
    };
    provisioning = {
      shared_secret = "disable";
    };
  }
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/mautrix−whatsapp.nix>

services.mbpfan.enable
Whether to enable mbpfan, fan controller daemon for Apple Macs and MacBooks.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mbpfan.nix>

services.mbpfan.package
The mbpfan package to use.

Type: package

Default:

```
pkgs.mbpfan
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mbpfan.nix>

services.mbpfan.aggressive
If true, favors higher default fan speeds.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mbpfan.nix>

services.mbpfan.settings
INI configuration for Mbpfan.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mbpfan.nix>

services.mbpfan.settings.general.high_temp
If temperature is above this, fan speed will gradually increase.

Type: signed integer

Default:

```
58
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mbpfan.nix>

services.mbpfan.settings.general.low_temp
If temperature is below this, fans will run at minimum speed.

Type: signed integer

Default:

```
55
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mbpfan.nix>

services.mbpfan.settings.general.max_temp
If temperature is above this, fans will run at maximum speed.

Type: signed integer

Default:

```
78
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mbpfan.nix>

services.mbpfan.settings.general.polling_interval
The polling interval.

Type: signed integer

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mbpfan.nix>

services.mbpfan.verbose
If true, sets the log level to verbose.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mbpfan.nix>

services.mchprs.enable
Whether to enable MCHPRS, a Minecraft server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/games/mchprs.nix>

services.mchprs.package
The mchprs package to use.

Type: package

Default:

```
pkgs.mchprs
```

Declared by:
<nixpkgs/nixos/modules/services/games/mchprs.nix>

services.mchprs.dataDir
Directory to store MCHPRS database and other state/data files.

Type: absolute path

Default:

```
"/var/lib/mchprs"
```

Declared by:
<nixpkgs/nixos/modules/services/games/mchprs.nix>

services.mchprs.declarativeSettings
Whether to use a declarative configuration for MCHPRS.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/games/mchprs.nix>

services.mchprs.declarativeWhitelist
Whether to use a declarative whitelist. The options **services.mchprs.whitelist.list** will be applied if and only if set to ‘true’.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/games/mchprs.nix>

services.mchprs.maxRuntime
Automatically restart the server after **services.mchprs.maxRuntime**. The **systemd.time**(7) time span format is described here: **https://www.freedesktop.org/software/systemd/man/systemd.time.html#Parsing Time Spans**. If ‘null’, then the server is not restarted automatically.

Type: string

Default:

```
"infinity"
```

Example:

```
"7d"
```

Declared by:
<nixpkgs/nixos/modules/services/games/mchprs.nix>

services.mchprs.openFirewall
Whether to open ports in the firewall for the server. Only has effect when **services.mchprs.declarativeSettings** is ‘true’.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/games/mchprs.nix>

services.mchprs.settings
Configuration for MCHPRS via *Config.toml*. See **https://github.com/MCHPR/MCHPRS/blob/master/README.md** for documentation.

Type: open submodule of (TOML value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/games/mchprs.nix>

services.mchprs.settings.address
Address for the server. Please use enclosing square brackets when using ipv6. Only has effect when **services.mchprs.declarativeSettings** is ‘true’.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/games/mchprs.nix>

services.mchprs.settings.auto_redpiler
Use redpiler automatically. Only has effect when **services.mchprs.declarativeSettings** is ‘true’.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/games/mchprs.nix>

services.mchprs.settings.block_in_hitbox
Allow placing blocks inside of players (hitbox logic is simplified). Only has effect when **services.mchprs.declarativeSettings** is ‘true’.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/games/mchprs.nix>

services.mchprs.settings.bungeecord

Enable compatibility with **BungeeCord**. Only has effect when **services.mchprs.declarativeSettings** is ‘true’.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/games/mchprs.nix>

services.mchprs.settings.chat_format

How to format chat message interpolating ‘username’ and ‘message’ with curly braces. Only has effect when **services.mchprs.declarativeSettings** is ‘true’.

Type: string

Default:

```
"<{username}> {message}"
```

Declared by:

<nixpkgs/nixos/modules/services/games/mchprs.nix>

services.mchprs.settings.max_players

Maximum number of simultaneous players. Only has effect when **services.mchprs.declarativeSettings** is ‘true’.

Type: positive integer, meaning >0

Default:

```
99999
```

Declared by:

<nixpkgs/nixos/modules/services/games/mchprs.nix>

services.mchprs.settings.motd

Message of the day. Only has effect when **services.mchprs.declarativeSettings** is ‘true’.

Type: string

Default:

```
"Minecraft High Performance Redstone Server"
```

Declared by:

<nixpkgs/nixos/modules/services/games/mchprs.nix>

services.mchprs.settings.port

Port for the server. Only has effect when **services.mchprs.declarativeSettings** is ‘true’.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
25565
```

Declared by:

<nixpkgs/nixos/modules/services/games/mchprs.nix>

services.mchprs.settings.schemati

Mimic the verification and directory layout used by the Open Redstone Engineers **Schemati plugin**. Only has effect when **services.mchprs.declarativeSettings** is ‘true’.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/games/mchprs.nix>

services.mchprs.settings.view_distance

Maximal distance (in chunks) between players and loaded chunks. Only has effect when **services.mchprs.declarativeSettings** is ‘true’.

Type: positive integer, meaning >0

Default:

```
8
```

Declared by:

<nixpkgs/nixos/modules/services/games/mchprs.nix>

services.mchprs.whitelist.enable

Whether or not the whitelist (in *whitelist.json*) shoud be enabled. Only has effect when **services.mchprs.declarativeSettings** is ‘true’.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/games/mchprs.nix>

services.mchprs.whitelist.list

Whitelisted players, only has an effect when **services.mchprs.declarativeWhitelist** is ‘true’ and the whitelist is enabled via **services.mchprs.whitelist.enable**. This is a mapping from Minecraft usernames to UUIDs. You can use **https://mcuuid.net/** to get a Minecraft UUID for a username.

Type: attribute set of Minecraft UUID

Default:

```
{ }
```

Example:

```
{
  username1 = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";
  username2 = "yyyyyyyy-yyyy-yyyy-yyyy-yyyyyyyyyyyy";
};
```

Declared by:

<nixpkgs/nixos/modules/services/games/mchprs.nix>

services.mealie.enable

Whether to enable Mealie, a recipe manager and meal planner.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/mealie.nix>

services.mealie.package
The mealie package to use.

Type: package

Default:

```
pkgs.mealie
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/mealie.nix>

services.mealie.credentialsFile
File containing credentials used in mealie such as **POSTGRES_PASSWORD** or sensitive LDAP options.

Expects the format of an 'EnvironmentFile=', as described by **systemd.exec**(5).

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/mealie-credentials.env"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/mealie.nix>

services.mealie.database.createLocally
Configure local PostgreSQL database server for Mealie.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/mealie.nix>

services.mealie.extraOptions
Specifies extra command line arguments to pass to mealie (Gunicorn).

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--log-level"
  "debug"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mealie.nix>

services.mealie.listenAddress
Address on which the service should listen.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mealie.nix>

services.mealie.port
Port on which to serve the Mealie service.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mealie.nix>

services.mealie.settings
Configuration of the Mealie service.

See **the mealie documentation** for available options and default values.

Type: attribute set of anything

Default:

```
{ }
```

Example:

```
{
  ALLOW_SIGNUP = "false";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mealie.nix>

services.mediagoblin.enable
Whether to enable MediaGoblin.

After the initial deployment, make sure to add an admin account:

```
mediagoblin−gmg adduser −−username admin −−email admin@example \
.com
mediagoblin−gmg makeadmin admin
```

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediagoblin.nix>

services.mediagoblin.package
The mediagoblin package to use.

Type: package

Default:

```
pkgs.mediagoblin
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediagoblin.nix>

services.mediagoblin.createDatabaseLocally
Whether to configure a local postgres database and connect to it.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediagoblin.nix>

services.mediagoblin.domain
Domain under which mediagoblin will be served.

Type: string

Example:

```
"mediagoblin.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediagoblin.nix>

services.mediagoblin.paste.port
Port under which paste will listen.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
6543
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediagoblin.nix>

services.mediagoblin.paste.settings
Settings which are written into ‘paste.ini’.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediagoblin.nix>

services.mediagoblin.pluginPackages

Plugins to add to the environment of MediaGoblin. They still need to be enabled in the config.

Type: list of package

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mediagoblin.nix>

services.mediagoblin.settings

Settings which are written into ‘mediagoblin.ini’.

Type: open submodule of anything

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mediagoblin.nix>

services.mediagoblin.settings.mediagoblin.allow_registration

Whether to enable user self registration. This is generally not recommend due to spammers. See **upstream FAQ**.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mediagoblin.nix>

services.mediagoblin.settings.mediagoblin.email_debug_mode

Disable email debug mode to start sending outgoing mails. This requires configuring SMTP settings, see the **upstream docs** for details.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mediagoblin.nix>

services.mediagoblin.settings.mediagoblin.email_sender_address

Email address which notices are sent from.

Type: string

Example:

```
"noreply@example.org"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mediagoblin.nix>

services.mediagoblin.settings.mediagoblin.plugins

Plugins to enable. See **upstream docs** for details. Extra dependencies are automatically enabled.

Type: unspecified value

Default:

```
{
  "mediagoblin.plugins.geolocation" = { };
  "mediagoblin.plugins.processing_info" = { };
  "mediagoblin.plugins.basic_auth" = { };
  "mediagoblin.media_types.image" = { };
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mediagoblin.nix>

services.mediagoblin.settings.mediagoblin.sql_engine

Database to use.

Type: string

Default:

```
"sqlite:///var/lib/mediagoblin/mediagoblin.db"
```

Example:

```
"postgresql:///mediagoblin"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mediagoblin.nix>

services.mediamtx.enable

Whether to enable MediaMTX.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/video/mediamtx.nix>

services.mediamtx.package

The mediamtx package to use.

Type: package

Default:

```
pkgs.mediamtx
```

Declared by:

<nixpkgs/nixos/modules/services/video/mediamtx.nix>

services.mediamtx.allowVideoAccess

Whether to enable access to video devices like cameras on the system .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/video/mediamtx.nix>

services.mediamtx.env

Extra environment variables for MediaMTX

Type: attribute set of anything

Default:

```
{ }
```

Example:

```
{
  MTX_CONFKEY = "mykey";
}
```

Declared by:

<nixpkgs/nixos/modules/services/video/mediamtx.nix>

services.mediamtx.settings

Settings for MediaMTX. Refer to the defaults at **https://github.com/bluenviron/mediamtx/blob/main/mediamtx.yml**.

Type: YAML 1.1 value

Default:

```
{ }
```

Example:

```
{
  paths = {
    cam = {
      runOnInit = "\${lib.getExe pkgs.ffmpeg} -f v4l2 -i /dev/vi \
deo0 -f rtsp rtsp://localhost:$RTSP_PORT/$RTSP_PATH";
      runOnInitRestart = true;
    };
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/video/mediamtx.nix>

services.mediatomb.enable

Whether to enable the Gerbera/Mediatomb DLNA server.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/mediatomb.nix>

services.mediatomb.package
The gerbera package to use.

Type: package

Default:

```
pkgs.gerbera
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mediatomb.nix>

services.mediatomb.customCfg
Allow the service to create and use its own config file inside the ‘dataDir’ as configured by **services.mediatomb.dataDir**. Deactivated by default, the service then runs with the configuration generated from this module. Otherwise, when enabled, no service configuration is generated. Gerbera/Mediatomb then starts using config.xml within the configured ‘dataDir’. It’s up to the user to make a correct configuration file.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mediatomb.nix>

services.mediatomb.dataDir
The directory where Gerbera/Mediatomb stores its state, data, etc.

Type: absolute path

Default:

```
"/var/lib/${config.services.mediatomb.package.pname}"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mediatomb.nix>

services.mediatomb.dsmSupport
Whether to enable D−Link DSM 320 specific tweaks. WARNING: incompatible with ps3 support.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mediatomb.nix>

services.mediatomb.group
Group account under which the service runs.

Type: string

Default:

```
"mediatomb"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mediatomb.nix>

services.mediatomb.interface

A specific interface to bind to.

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/misc/mediatomb.nix>

services.mediatomb.mediaDirectories

Declare media directories to index.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    hidden-files = false;
    path = "/data/pictures";
    recursive = false;
  }
  {
    hidden-files = false;
    path = "/data/audio";
    recursive = true;
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/misc/mediatomb.nix>

services.mediatomb.mediaDirectories.*.hidden-files

Whether to index the hidden files or not.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/mediatomb.nix>

services.mediatomb.mediaDirectories.*.path

Absolute directory path to the media directory to index.

Type: string

Declared by:

<nixpkgs/nixos/modules/services/misc/mediatomb.nix>

services.mediatomb.mediaDirectories.*.recursive

Whether the indexation must take place recursively or not.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mediatomb.nix>

services.mediatomb.openFirewall
If false (the default), this is up to the user to declare the firewall rules. If true, this opens port 1900 (tcp and udp) and the port specified by **sercvices.mediatomb.port**.

If the option **services.mediatomb.interface** is set, the firewall rules opened are dedicated to that interface. Otherwise, those rules are opened globally.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mediatomb.nix>

services.mediatomb.pcDirectoryHide
Whether to list the top−level directory or not (from upnp client standpoint).

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mediatomb.nix>

services.mediatomb.port
The network port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
49152
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mediatomb.nix>

services.mediatomb.ps3Support
Whether to enable ps3 specific tweaks. WARNING: incompatible with DSM 320 support.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mediatomb.nix>

services.mediatomb.serverName
How to identify the server on the network.

Type: string

Default:

```
"Gerbera (Mediatomb)"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mediatomb.nix>

services.mediatomb.tg100Support
Whether to enable Telegent TG100 specific tweaks.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mediatomb.nix>

services.mediatomb.transcoding
Whether to enable transcoding.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mediatomb.nix>

services.mediatomb.user
User account under which the service runs.

Type: string

Default:

```
"mediatomb"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mediatomb.nix>

services.mediatomb.uuid
A unique (on your network) to identify the server by.

Type: string

Default:

```
"fdfc8a4e-a3ad-4c1d-b43d-a2eedb03a687"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mediatomb.nix>

services.mediawiki.enable
Whether to enable MediaWiki.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/mediawiki.nix>

services.mediawiki.package
The mediawiki package to use.

Type: package

Default:

```
pkgs.mediawiki
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.database.createLocally
Create the database and database user locally. This currently only applies if database type “mysql” or “postgres” is selected.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.database.host
Database host address. Used only if database type is not SQLite.

Type: null or string

Default:

```
"\"localhost\""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.database.name
Database name.

Type: string

Default:

```
"mediawiki"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.database.passwordFile
A file containing the password corresponding to **database.user**. Used only if database type is not SQLite.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/mediawiki−dbpassword"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.database.path

Path to store the MediaWiki database in if using SQLite.

Type: null or absolute path

Default:

```
"/var/lib/mediawiki/data"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.database.port

Database host port. Used only if database type is not SQLite.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3306
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.database.socket

Path to the unix socket file to use for authentication. Used only if database type is not SQLite.

Type: null or absolute path

Default:

```
/run/mysqld/mysqld.sock
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.database.tablePrefix

If you only have access to a single database and wish to install more than one version of MediaWiki, or have other applications that also use the database, you can give the table names a unique prefix to stop any naming conflicts or confusion. Only used if database type is MySQL. See **https://www.mediawiki.org/wiki/Manual:$wgDBprefix**.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.database.type

Database engine to use. MySQL/MariaDB is the database of choice by MediaWiki developers.

Type: one of “mysql”, “postgres”, “mssql”, “oracle”, “sqlite”

Default:

```
"mysql"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.database.user

Database user. Used only if database type is not SQLite.

Type: null or string

Default:

```
"mediawiki"
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/mediawiki.nix>

services.mediawiki.extensions

Attribute set of paths whose content is copied to the *extensions* subdirectory of the MediaWiki installation and enabled in configuration.

Use 'null' instead of path to enable extensions that are part of MediaWiki.

Type: attribute set of (null or absolute path)

Default:

```
{ }
```

Example:

```
{
  Matomo = pkgs.fetchzip {
    url = "https://github.com/DaSchTour/matomo-mediawiki-extensio \
n/archive/v4.0.1.tar.gz";
    sha256 = "0g5rd3zp0avwlmqagc59cg9bbkn3r7wx7p6yr80s644mj6dlvs1b" \
;
  };
  ParserFunctions = null;
}
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/mediawiki.nix>

services.mediawiki.extraConfig

Any additional text to be appended to MediaWiki's LocalSettings.php configuration file. For configuration settings, see **https://www.mediawiki.org/wiki/Manual:Configuration_settings**.

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
  $wgEnableEmail = false;
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/mediawiki.nix>

services.mediawiki.finalPackage

The final package used by the module. This is the package that will have extensions and skins installed.

Type: package *(read only)*

Default:

```
pkg
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.httpd.virtualHost
Apache configuration can be done by adapting **services.httpd.virtualHosts**. See **services.httpd.virtualHosts** for further information.

Type: submodule

Example:

```
{
  hostName = "mediawiki.example.org";
  adminAddr = "webmaster@example.org";
  forceSSL = true;
  enableACME = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.httpd.virtualHost.enableACME
Whether to ask Let's Encrypt to sign a certificate for this vhost. Alternately, you can use an existing certificate through **useACMEHost**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.httpd.virtualHost.enableUserDir
Whether to enable serving *~/public_html* as '/~«username»'.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.httpd.virtualHost.acmeRoot
Directory for the acme challenge which is PUBLIC, don't put certs or keys in here. Set to null to inherit from config.security.acme.

Type: null or string

Default:

```
"/var/lib/acme/acme−challenge"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.httpd.virtualHost.addSSL
Whether to enable HTTPS in addition to plain HTTP. This will set defaults for 'listen' to listen on all interfaces on the respective default ports (80, 443).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.httpd.virtualHost.adminAddr
E−mail address of the server administrator.

Type: null or string

Default:

```
null
```

Example:

```
"admin@example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.httpd.virtualHost.documentRoot
The path of Apache's document root directory. If left undefined, an empty directory in the Nix store will be used as root.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/data/webserver/docs"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.httpd.virtualHost.extraConfig
These lines go to httpd.conf verbatim. They will go after directories and directory aliases defined by default.

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
<Directory /home>
  Options FollowSymlinks
  AllowOverride All
</Directory>
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.httpd.virtualHost.forceSSL
Whether to add a separate nginx server block that permanently redirects (301) all plain HTTP traffic to HTTPS. This will set defaults for 'listen' to listen on all interfaces on the respective default ports (80, 443), where the non−SSL listens are used for the redirect vhosts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.httpd.virtualHost.globalRedirect
If set, all requests for this host are redirected permanently to the given URL.

Type: null or string

Default:

```
null
```

Example:

```
"http://newserver.example.org/"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.httpd.virtualHost.hostName
Canonical hostname for the server.

Type: string

Default:

```
"‹name›"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.httpd.virtualHost.http2
Whether to enable HTTP 2. HTTP/2 is supported in all multi−processing modules that come with httpd. *However, if you use the prefork mpm, there will be severe restrictions.* Refer to **https://httpd.apache.org/docs/2.4/howto/http2.html#mpm−config** for details.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.httpd.virtualHost.listen
Listen addresses and ports for this virtual host.

Note
This option overrides ‘addSSL’, ‘forceSSL’ and ‘onlySSL’.

If you only want to set the addresses manually and not the ports, take a look at ‘listenAddresses’.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    ip = "195.154.1.1";
    port = 443;
    ssl = true;
  }
  {
```

```
      ip = "192.154.1.1";
      port = 80;
    }
    {
      ip = "*";
      port = 8080;
    }
  ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.httpd.virtualHost.listen.*.ip
IP to listen on. 0.0.0.0 for IPv4 only, * for all.

Type: string

Default:

```
"*"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.httpd.virtualHost.listen.*.port
Port to listen on

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.httpd.virtualHost.listen.*.ssl
Whether to enable SSL (https) support.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.httpd.virtualHost.listenAddresses
Listen addresses for this virtual host. Compared to ‘listen’ this only sets the addresses and the ports are chosen automatically.

Type: non−empty (list of string)

Default:

```
[
  "*"
]
```

Example:

```
[
  "127.0.0.1"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.httpd.virtualHost.locations

Declarative location config. See **https://httpd.apache.org/docs/2.4/mod/core.html#location** for details.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "/" = {
    proxyPass = "http://localhost:3000";
  };
  "/foo/bar.png" = {
    alias = "/home/eelco/some-file.png";
  };
};
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/mediawiki.nix>

services.mediawiki.httpd.virtualHost.locations.<name>.alias

Alias directory for requests. See **https://httpd.apache.org/docs/2.4/mod/mod_alias.html#alias**.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/alias/directory"
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/mediawiki.nix>

services.mediawiki.httpd.virtualHost.locations.<name>.extraConfig

These lines go to the end of the location verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/mediawiki.nix>

services.mediawiki.httpd.virtualHost.locations.<name>.index

Adds DirectoryIndex directive. See **https://httpd.apache.org/docs/2.4/mod/mod_dir.html#directoryindex**.

Type: null or string

Default:

```
null
```

Example:

```
"index.php index.html"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.httpd.virtualHost.locations.<name>.priority
Order of this location block in relation to the others in the vhost. The semantics are the same as with ‘lib.mkOrder’. Smaller values have a greater priority.

Type: signed integer

Default:

```
1000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.httpd.virtualHost.locations.<name>.proxyPass
Sets up a simple reverse proxy as described by **https://httpd.apache.org/docs/2.4/howto/reverse_proxy.html#simple**.

Type: null or string

Default:

```
null
```

Example:

```
"http://www.example.org/"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.httpd.virtualHost.logFormat
Log format for Apache’s log files. Possible values are: combined, common, referer, agent.

Type: string

Default:

```
"common"
```

Example:

```
"combined"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.httpd.virtualHost.onlySSL
Whether to enable HTTPS and reject plain HTTP connections. This will set defaults for ‘listen’ to listen on all interfaces on port 443.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.httpd.virtualHost.robotsEntries
Specification of pages to be ignored by web crawlers. See **http://www.robotstxt.org/** for details.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
"Disallow: /foo/"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.httpd.virtualHost.servedDirs

This option provides a simple way to serve static directories.

Type: list of (attribute set)

Default:

```
[ ]
```

Example:

```
[
  {
    dir = "/home/eelco/Dev/nix−homepage";
    urlPath = "/nix";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.httpd.virtualHost.servedFiles

This option provides a simple way to serve individual, static files.

Note

This option has been deprecated and will be removed in a future version of NixOS. You can achieve the same result by making use of the ‘locations.<name>.alias’ option.

Type: list of (attribute set)

Default:

```
[ ]
```

Example:

```
[
  {
    file = "/home/eelco/some−file.png";
    urlPath = "/foo/bar.png";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.httpd.virtualHost.serverAliases

Additional names of virtual hosts served by this virtual host configuration.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
  "www.example.org:8080"
```

```
  "example.org"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.httpd.virtualHost.sslServerCert
Path to server SSL certificate.

Type: absolute path

Example:

```
"/var/host.cert"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.httpd.virtualHost.sslServerChain
Path to server SSL chain file.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/ca.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.httpd.virtualHost.sslServerKey
Path to server SSL certificate key.

Type: absolute path

Example:

```
"/var/host.key"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.httpd.virtualHost.useACMEHost
A host of an existing Let's Encrypt certificate to use. This is useful if you have many subdomains and want to avoid hitting the **rate limit**. Alternately, you can generate a certificate through **enableACME**. *Note that this option does not create any certificates, nor it does add subdomains to existing ones – you will need to create them manually using* **security.acme.certs**[2].

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

2. see the **security.acme.certs** option

services.mediawiki.name
Name of the wiki.

Type: string

Default:

```
"MediaWiki"
```

Example:

```
"Foobar Wiki"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.nginx.hostName
The hostname to use for the nginx virtual host. This is used to generate the nginx configuration.

Type: string

Default:

```
"localhost"
```

Example:

```
wiki.example.com
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.passwordFile
A file containing the initial password for the administrator account “admin”.

Type: absolute path

Example:

```
"/run/keys/mediawiki−password"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.passwordSender
Contact address for password reset.

Type: string

Default:

```
if cfg.webserver == "apache" then
  if cfg.httpd.virtualHost.adminAddr != null then
    cfg.httpd.virtualHost.adminAddr
  else
    config.services.httpd.adminAddr else "root@localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.path
Extra packages to add to the PATH of phpfpm−pool.

Type: list of package

Default:

```
with pkgs; [ diffutils imagemagick ]
```

Example:

```
with pkgs; [ librsvg ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.phpPackage
The php package to use.

Type: package

Default:

```
pkgs.php
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.poolConfig
Options for the MediaWiki PHP pool. See the documentation on 'php−fpm.conf' for details on configuration directives.

Type: attribute set of (string or signed integer or boolean)

Default:

```
{
  pm = "dynamic";
  "pm.max_children" = 32;
  "pm.max_requests" = 500;
  "pm.max_spare_servers" = 4;
  "pm.min_spare_servers" = 2;
  "pm.start_servers" = 2;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.skins
Attribute set of paths whose content is copied to the *skins* subdirectory of the MediaWiki installation in addition to the default skins.

Type: attribute set of absolute path

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.uploadsDir
This directory is used for uploads of pictures. The directory passed here is automatically created and permissions adjusted as required.

Type: null or absolute path

Default:

```
"/var/lib/mediawiki/uploads"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.url
URL of the wiki.

Type: string

Default:

```
  if "mediawiki uses ssl" then "{"https" else "http"}:///'’${cfg.hos \
tName}" else "http://localhost";
```

Example:

```
"https://wiki.example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.mediawiki.webserver
Webserver to use.

Type: one of “apache”, “none”, “nginx”

Default:

```
"apache"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mediawiki.nix>

services.meilisearch.enable
Whether to enable Meilisearch − a RESTful search API.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/search/meilisearch.nix>

services.meilisearch.package
The meilisearch package to use. Use this if you require specific features to be enabled. The default package has no features.

Type: package

Default:

```
pkgs.meilisearch
```

Declared by:
<nixpkgs/nixos/modules/services/search/meilisearch.nix>

services.meilisearch.listenAddress
The IP address that Meilisearch will listen on.

It can also be a hostname like “localhost”. If it resolves to an IPv4 and IPv6 address, Meilisearch will listen on both.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/search/meilisearch.nix>

services.meilisearch.listenPort
The port that Meilisearch will listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
7700
```

Declared by:
<nixpkgs/nixos/modules/services/search/meilisearch.nix>

services.meilisearch.masterKeyFile
Path to file which contains the master key. By doing so, all routes will be protected and will require a key to be accessed. If no master key is provided, all routes can be accessed without requiring any key.

You can generate a master key by running ‘openssl rand −base64 36’. Alternatively, you can start Meilisearch without a master key and use the pre−generated key from the service’s logs that can be obtained by ‘journalctl −u meilisearch | grep −− −−master−key’.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/search/meilisearch.nix>

services.meilisearch.settings
Configuration settings for Meilisearch. Look at the documentation for available options: https://github.com/meilisearch/meilisearch/blob/main/config.toml https://www.meilisearch.com/docs/learn/self_hosted/configure_meilisearch_at_launch#all−instance−options

Type: open submodule of (TOML value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/search/meilisearch.nix>

services.memcached.enable
Whether to enable Memcached.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/databases/memcached.nix>

services.memcached.enableUnixSocket

Whether to enable Unix Domain Socket at /run/memcached/memcached.sock instead of listening on an IP address and port. The ‘listen’ and ‘port’ options are ignored.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/databases/memcached.nix>

services.memcached.extraOptions

A list of extra options that will be added as a suffix when running memcached.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/databases/memcached.nix>

services.memcached.listen

The IP address to bind to.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/memcached.nix>

services.memcached.maxConnections

The maximum number of simultaneous connections.

Type: unsigned integer, meaning >=0

Default:

```
1024
```

Declared by:

<nixpkgs/nixos/modules/services/databases/memcached.nix>

services.memcached.maxMemory

The maximum amount of memory to use for storage, in MiB (1024×1024 bytes).

Type: unsigned integer, meaning >=0

Default:

```
64
```

Declared by:

<nixpkgs/nixos/modules/services/databases/memcached.nix>

services.memcached.port

The port to bind to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
11211
```

Declared by:

<nixpkgs/nixos/modules/services/databases/memcached.nix>

services.memcached.user

The user to run Memcached as

Type: string

Default:

```
"memcached"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/memcached.nix>

services.meme−bingo−web.enable

Whether to enable a web app for the meme bingo, rendered entirely on the web server and made interactive with forms.

Note: The application's author suppose to run meme−bingo−web behind a reverse proxy for SSL and HTTP/3 .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/meme−bingo−web.nix>

services.meme−bingo−web.package

The meme−bingo−web package to use.

Type: package

Default:

```
pkgs.meme−bingo−web
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/meme−bingo−web.nix>

services.meme−bingo−web.address

The address the webserver will bind to.

Type: string

Default:

```
"localhost"
```

Example:

```
"::"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/meme−bingo−web.nix>

services.meme−bingo−web.baseUrl
URL to be used for the HTML <base> element on all HTML routes.

Type: string

Default:

```
"http://localhost:41678/"
```

Example:

```
"https://bingo.example.com/"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/meme−bingo−web.nix>

services.meme−bingo−web.openFirewall
Whether to enable Opens the specified port in the firewall. .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/meme−bingo−web.nix>

services.meme−bingo−web.port
Port to be used for the web server.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
41678
```

Example:

```
21035
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/meme−bingo−web.nix>

services.memos.enable
Whether to enable Memos note−taking.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/memos.nix>

services.memos.package

The Memos package to use.

Type: package

Default:

```
pkgs.memos
```

Declared by:

<nixpkgs/nixos/modules/services/misc/memos.nix>

services.memos.dataDir

Specifies the directory where Memos will store its data.

Note

It will be automatically created with the permissions of **services.memos.user** and **services.memos.group**.

Type: absolute path

Default:

```
"/var/lib/memos/"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/memos.nix>

services.memos.environmentFile

The environment file to use when starting Memos.

Note

By default, generated from [1].

Type: absolute path

Default: generated from **services.memos.settings**

Example:

```
"/var/lib/memos/memos.env"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/memos.nix>

1. opt−services.memos.settings

services.memos.group

The group to run Memos as.

Note

If changing the default value, **you** are responsible of creating the corresponding group with **users.groups**.

Type: string

Default:

```
"memos"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/memos.nix>

services.memos.openFirewall

Whether to enable opening the ports in the firewall.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/memos.nix>

services.memos.settings

The environment variables to configure Memos.

Note

At time of writing, there is no clear documentation about possible values. It's possible to convert CLI flags into these variables. Example : CLI flag "–unix−sock" converts to **MEMOS_UNIX_SOCK**.

Type: attribute set of (atom (null, bool, int, float or string))

Default:

```
{
  MEMOS_MODE = "prod";
  MEMOS_ADDR = "127.0.0.1";
  MEMOS_PORT = "5230";
  MEMOS_DATA = config.services.memos.dataDir;
  MEMOS_DRIVER = "sqlite";
  MEMOS_INSTANCE_URL = "http://localhost:5230";
}
```

Declared by:

<nixpkgs/nixos/modules/services/misc/memos.nix>

services.memos.user

The user to run Memos as.

Note

If changing the default value, **you** are responsible of creating the corresponding user with **users.users**.

Type: string

Default:

```
"memos"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/memos.nix>

services.merecat.enable

Whether to enable Merecat HTTP server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/merecat.nix>

services.merecat.settings
Merecat configuration. Refer to **merecat**(8) for details on supported values.

Type: attribute set of (atom (null, bool, int, float or string))

Default:

```
{ }
```

Example:

```
{
  directory = "/srv/www";
  hostname = "localhost";
  port = 8080;
  virtual−host = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/merecat.nix>

services.meshcentral.enable
Whether to enable MeshCentral computer management server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/admin/meshcentral.nix>

services.meshcentral.package
The meshcentral package to use.

Type: package

Default:

```
pkgs.meshcentral
```

Declared by:
<nixpkgs/nixos/modules/services/admin/meshcentral.nix>

services.meshcentral.settings
Settings for MeshCentral. Refer to upstream documentation for details:

- **JSON Schema definition**
- **simple sample configuration**
- **complex sample configuration**
- **Old homepage with documentation link**

Type: open submodule of attribute set of (JSON value)

Example:

```
{
  domains = {
```

```
      "" = {
        certUrl = "https://meshcentral.example.com/";
      };
    };
    settings = {
      Cert = "meshcentral.example.com";
      Port = 4430;
      TlsOffload = "10.0.0.2,fd42::2";
      WANonly = true;
    };
  }
```

Declared by:
<nixpkgs/nixos/modules/services/admin/meshcentral.nix>

services.meshtasticd.enable
Whether to enable Meshtastic daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/meshtasticd.nix>

services.meshtasticd.package
The meshtasticd package to use.

Type: package

Default:

```
pkgs.meshtasticd
```

Declared by:
<nixpkgs/nixos/modules/services/networking/meshtasticd.nix>

services.meshtasticd.dataDir
The data directory.

Type: absolute path

Default:

```
"/var/lib/meshtasticd"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/meshtasticd.nix>

services.meshtasticd.group
Group meshtasticd runs as.

Type: string

Default:

```
"meshtasticd"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/meshtasticd.nix>

services.meshtasticd.port
Port to listen on

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
4403
```

Declared by:
<nixpkgs/nixos/modules/services/networking/meshtasticd.nix>

services.meshtasticd.settings
The Meshtastic configuration file.

An example of configuration can be found at **https://github.com/meshtastic/firmware/blob/develop/bin/config-dist.yaml**

Type: YAML 1.1 value

Default:

```
null
```

Example:

```
Lora = {
  Module = "auto";
};
Webserver = {
  Port = 9443;
  RootPath = pkgs.meshtastic-web;
};
General = {
  MaxNodes = 200;
  MaxMessageQueue = 100;
  MACAddressSource = "eth0";
};
```

Declared by:
<nixpkgs/nixos/modules/services/networking/meshtasticd.nix>

services.meshtasticd.user
User meshtasticd runs as.

Type: string

Default:

```
"meshtasticd"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/meshtasticd.nix>

services.metabase.enable
Whether to enable Metabase service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/metabase.nix>

services.metabase.package
The metabase package to use.

Type: package

Default:

```
pkgs.metabase
```

Declared by:
<nixpkgs/nixos/modules/services/misc/metabase.nix>

services.metabase.listen.ip
IP address that Metabase should listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/metabase.nix>

services.metabase.listen.port
Listen port for Metabase.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Declared by:
<nixpkgs/nixos/modules/services/misc/metabase.nix>

services.metabase.openFirewall
Open ports in the firewall for Metabase.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/metabase.nix>

services.metabase.ssl.enable
Whether to enable SSL (https) support.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/metabase.nix>

services.metabase.ssl.keystore

Java KeyStore file containing the certificates.

Type: null or absolute path

Default:

```
"/var/lib/metabase/metabase.jks"
```

Example:

```
"/etc/secrets/keystore.jks"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/metabase.nix>

services.metabase.ssl.port
Listen port over SSL (https) for Metabase.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8443
```

Declared by:
<nixpkgs/nixos/modules/services/misc/metabase.nix>

services.metricbeat.enable
Whether to enable metricbeat.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/metricbeat.nix>

services.metricbeat.package
The metricbeat package to use.

Type: package

Default:

```
pkgs.metricbeat
```

Example:

```
metricbeat7
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/metricbeat.nix>

services.metricbeat.modules
Metricbeat modules are responsible for reading metrics from the various sources.

This is like ‘services.metricbeat.settings.metricbeat.modules’, but structured as an attribute set. This has the benefit that multiple NixOS modules can contribute settings to a single metricbeat module.

A module can be specified multiple times by choosing a different ‘<name>’ for each, but setting **services.metricbeat.modules.<name>.module** to the same value.

See **https://www.elastic.co/guide/en/beats/metricbeat/current/metricbeat−modules.html**.

Type: attribute set of (open submodule of (YAML 1.1 value))

Default:

```
{ }
```

Example:

```
{
  system = {
    core = {
      metrics = [
        "percentages"
      ];
    };
    cpu = {
      metrics = [
        "percentages"
        "normalized_percentages"
      ];
    };
    enabled = true;
    metricsets = [
      "cpu"
      "load"
      "memory"
      "network"
      "process"
      "process_summary"
      "uptime"
      "socket_summary"
    ];
    period = "10s";
    processes = [
      ".*"
    ];
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/metricbeat.nix>

services.metricbeat.modules.<name>.module

The name of the module.

Look for the value after ‘module:’ on the individual module pages linked from **https://www.elastic.co/guide/en/beats/metricbeat/current/metricbeat−modules.html**.

Type: string

Default:

```
"‹name›"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/metricbeat.nix>

services.metricbeat.settings

Configuration for metricbeat. See **https://www.elastic.co/guide/en/beats/metricbeat/current/configuring−howto−metricbeat.html** for supported values.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/metricbeat.nix>

services.metricbeat.settings.name

Name of the beat. Defaults to the hostname. See **https://www.elastic.co/guide/en/beats/metricbeat/current/configuration−general−options.html#_name**.

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/metricbeat.nix>

services.metricbeat.settings.tags

Tags to place on the shipped metrics. See **https://www.elastic.co/guide/en/beats/metricbeat/current/configuration−general−options.html#_tags_2**.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/metricbeat.nix>

services.microbin.enable

Whether to enable MicroBin is a super tiny, feature rich, configurable paste bin web application.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/microbin.nix>

services.microbin.package

The microbin package to use.

Type: package

Default:

```
pkgs.microbin
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/microbin.nix>

services.microbin.dataDir

Default data folder for MicroBin.

Type: string

Default:

```
"/var/lib/microbin"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/microbin.nix>

services.microbin.passwordFile

Path to file containing environment variables. Useful for passing down secrets. Variables that can be considered secrets are:

- MICROBIN_BASIC_AUTH_USERNAME
- MICROBIN_BASIC_AUTH_PASSWORD
- MICROBIN_ADMIN_USERNAME
- MICROBIN_ADMIN_PASSWORD
- MICROBIN_UPLOADER_PASSWORD

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/microbin.env"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/microbin.nix>

services.microbin.settings

Additional configuration for MicroBin, see **https://microbin.eu/docs/installation−and−configuration/configuration/** for supported values.

For secrets use passwordFile option instead.

Type: open submodule of attribute set of (boolean or signed integer or string)

Default:

```
{ }
```

Example:

```
{
  MICROBIN_HIDE_LOGO = false;
  MICROBIN_PORT = 8080;
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/microbin.nix>

services.microsocks.enable

Whether to enable Tiny, portable SOCKS5 server with very moderate resource usage.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/microsocks.nix>

services.microsocks.package
The microsocks package to use.

Type: package

Default:

```
pkgs.microsocks
```

Declared by:
<nixpkgs/nixos/modules/services/networking/microsocks.nix>

services.microsocks.authOnce
If true, once a specific ip address authed successfully with user/pass, it is added to a whitelist and may use the proxy without auth.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/microsocks.nix>

services.microsocks.authPasswordFile
Path to a file containing the password for authentication.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/microsocks-password"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/microsocks.nix>

services.microsocks.authUsername
Optional username to use for authentication.

Type: null or string

Default:

```
null
```

Example:

```
"alice"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/microsocks.nix>

services.microsocks.disableLogging
If true, microsocks will not log any messages to stdout/stderr.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/microsocks.nix>

services.microsocks.execWrapper
An optional command to prepend to the microsocks command (such as proxychains, or a VPN exclude command).

Type: null or string

Default:

```
null
```

Example:

```
''${pkgs.mullvad-vpn}/bin/mullvad-exclude
```

Declared by:
<nixpkgs/nixos/modules/services/networking/microsocks.nix>

services.microsocks.group
Group microsocks runs as.

Type: string

Default:

```
"microsocks"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/microsocks.nix>

services.microsocks.ip
IP on which microsocks should listen. Defaults to 127.0.0.1 for security reasons.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/microsocks.nix>

services.microsocks.outgoingBindIp
Specifies which ip outgoing connections are bound to

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/microsocks.nix>

services.microsocks.port
Port on which microsocks should listen.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
1080
```

Declared by:
<nixpkgs/nixos/modules/services/networking/microsocks.nix>

services.microsocks.user

User microsocks runs as.

Type: string

Default:

```
"microsocks"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/microsocks.nix>

services.mighttpd2.enable

Whether to enable Mighttpd2 web server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/mighttpd2.nix>

services.mighttpd2.config

Verbatim config file to use (see **https://kazu−yamamoto.github.io/mighttpd2/config.html**)

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
  # Example configuration for Mighttpd 2
  Port: 80
  # IP address or "*"
  Host: *
  Debug_Mode: Yes # Yes or No
  User: mighttpd2
  Group: mighttpd2
  Pid_File: /run/mighty.pid
  Logging: Yes # Yes or No
  Log_File: /var/log/mighty # The directory must be writable by Use \
r:
  Log_File_Size: 16777216 # bytes
  Log_Backup_Number: 10
  Index_File: index.html
  Index_Cgi: index.cgi
  Status_File_Dir: /usr/local/share/mighty/status
  Connection_Timeout: 30 # seconds
  Fd_Cache_Duration: 10 # seconds
  # Server_Name: Mighttpd/3.x.y
  Tls_Port: 443
  Tls_Cert_File: cert.pem # should change this with an absolute pat \
h
  # should change this with comma−separated absolute paths
  Tls_Chain_Files: chain.pem
```

```
    # Currently, Tls_Key_File must not be encrypted.
    Tls_Key_File: privkey.pem # should change this with an absolute p \
  ath
    Service: 0 # 0 is HTTP only, 1 is HTTPS only, 2 is both
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/mighttpd2.nix>

services.mighttpd2.cores
How many cores to use. If null it will be determined automatically

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/mighttpd2.nix>

services.mighttpd2.routing
Verbatim routing file to use (see **https://kazu−yamamoto.github.io/mighttpd2/config.html**)

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
# Example routing for Mighttpd 2

# Domain lists
[localhost www.example.com]

# Entries are looked up in the specified order
# All paths must end with "/"

# A path to CGI scripts should be specified with "=>"
/~alice/cgi−bin/ => /home/alice/public_html/cgi−bin/

# A path to static files should be specified with "−>"
/~alice/         −> /home/alice/public_html/
/cgi−bin/        => /export/cgi−bin/

# Reverse proxy rules should be specified with ">>"
# /path >> host:port/path2
# Either "host" or ":port" can be committed, but not both.
/app/cal/        >> example.net/calendar/
# Yesod app in the same server
/app/wiki/       >> 127.0.0.1:3000/

/                −> /export/www/
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/mighttpd2.nix>

services.mihomo.enable

Whether to enable Mihomo, A rule−based proxy in Go.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/mihomo.nix>

services.mihomo.package

The mihomo package to use.

Type: package

Default:

```
pkgs.mihomo
```

Declared by:

<nixpkgs/nixos/modules/services/networking/mihomo.nix>

services.mihomo.configFile

Configuration file to use.

Type: absolute path

Declared by:

<nixpkgs/nixos/modules/services/networking/mihomo.nix>

services.mihomo.extraOpts

Extra command line options to use.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/mihomo.nix>

services.mihomo.processesInfo

Whether to enable necessary capabilities for rules about process information such as ‘process−name’ .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/mihomo.nix>

services.mihomo.tunMode

Whether to enable necessary capabilities for Mihomo's systemd service for TUN mode to function properly.

Keep in mind, that you still need to enable TUN mode manually in Mihomo's configuration .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/mihomo.nix>

services.mihomo.webui

Local web interface to use.

You can also use the following website:

- metacubexd:
  - **https://d.metacubex.one**
  - **https://metacubex.github.io/metacubexd**
  - **https://metacubexd.pages.dev**
- yacd:
  - **https://yacd.haishan.me**
- clash−dashboard:
  - **https://clash.razord.top**

Type: null or absolute path

Default:

```
null
```

Example:

```
pkgs.metacubexd
```

Declared by:

<nixpkgs/nixos/modules/services/networking/mihomo.nix>

services.mimir.enable

Whether to enable mimir.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/mimir.nix>

services.mimir.package

The mimir package to use.

Type: package

Default:

```
pkgs.mimir
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/mimir.nix>

services.mimir.configFile

Specify a configuration file that Mimir should use.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/mimir.nix>

services.mimir.configuration

Specify the configuration for Mimir in Nix.

Type: JSON value

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/mimir.nix>

services.mimir.extraFlags

Specify a list of additional command line flags, which get escaped and are then passed to Mimir.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--config.expand-env=true"
]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/mimir.nix>

services.minecraft-server.enable

If enabled, start a Minecraft Server. The server data will be loaded from and saved to **services.minecraft-server.dataDir**.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/games/minecraft-server.nix>

services.minecraft−server.package
The minecraft−server package to use.

Type: package

Default:

```
pkgs.minecraft−server
```

Example:

```
pkgs.minecraft−server_1_12_2
```

Declared by:
<nixpkgs/nixos/modules/services/games/minecraft−server.nix>

services.minecraft−server.dataDir
Directory to store Minecraft database and other state/data files.

Type: absolute path

Default:

```
"/var/lib/minecraft"
```

Declared by:
<nixpkgs/nixos/modules/services/games/minecraft−server.nix>

services.minecraft−server.declarative
Whether to use a declarative Minecraft server configuration. Only if set to ‘true’, the options **services.minecraft−server.whitelist** and **services.minecraft−server.serverProperties** will be applied.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/games/minecraft−server.nix>

services.minecraft−server.eula
Whether you agree to **Mojangs EULA**. This option must be set to ‘true’ to run Minecraft server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/games/minecraft−server.nix>

services.minecraft−server.jvmOpts
JVM options for the Minecraft server.

Type: strings concatenated with " "

Default:

```
"−Xmx2048M −Xms2048M"
```

Example:

```
"−Xms4092M −Xmx4092M −XX:+UseG1GC −XX:+CMSIncrementalPacing −X \
X:+CMSClassUnloadingEnabled −XX:ParallelGCThreads=2 −XX:MinHeapFr \
eeRatio=5 −XX:MaxHeapFreeRatio=10"
```

Declared by:
<nixpkgs/nixos/modules/services/games/minecraft-server.nix>

services.minecraft-server.openFirewall
Whether to open ports in the firewall for the server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/games/minecraft-server.nix>

services.minecraft-server.serverProperties
Minecraft server properties for the server.properties file. Only has an effect when **services.minecraft-server.declarative** is set to 'true'. See **https://minecraft.wiki/w/Server.properties#Java_Edition** for documentation on these values.

Type: attribute set of (boolean or signed integer or string)

Default:

```
{ }
```

Example:

```
{
  server-port = 43000;
  difficulty = 3;
  gamemode = 1;
  max-players = 5;
  motd = "NixOS Minecraft server!";
  white-list = true;
  enable-rcon = true;
  "rcon.password" = "hunter2";
}
```

Declared by:
<nixpkgs/nixos/modules/services/games/minecraft-server.nix>

services.minecraft-server.whitelist
Whitelisted players, only has an effect when **services.minecraft-server.declarative** is 'true' and the whitelist is enabled via **services.minecraft-server.serverProperties** by setting 'white-list' to 'true'. This is a mapping from Minecraft usernames to UUIDs. You can use **https://mcuuid.net/** to get a Minecraft UUID for a username.

Type: attribute set of Minecraft UUID

Default:

```
{ }
```

Example:

```
{
  username1 = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";
  username2 = "yyyyyyyy-yyyy-yyyy-yyyy-yyyyyyyyyyyy";
};
```

Declared by:
<nixpkgs/nixos/modules/services/games/minecraft-server.nix>

services.minetest-server.enable
If enabled, starts a Minetest Server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/games/minetest-server.nix>

services.minetest-server.config
Settings to add to the minetest config file.

This option is ignored if 'configPath' is set.

Type: attribute set of anything

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/games/minetest-server.nix>

services.minetest-server.configPath
Path to the config to use.

If set to null, the config of the running user will be used: '~/.minetest/minetest.conf'.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/games/minetest-server.nix>

services.minetest-server.extraArgs
Additional command line flags to pass to the minetest executable.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/games/minetest-server.nix>

services.minetest-server.gameId
Id of the game to use. To list available games run 'minetestserver --gameid list'.

If only one game exists, this option can be null.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/games/minetest-server.nix>

services.minetest−server.logPath

Path to logfile for logging.

If set to null, logging will be output to stdout which means all output will be caught by systemd.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/games/minetest−server.nix>

services.minetest−server.port

Port number to bind to.

If set to null, the default 30000 will be used.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/games/minetest−server.nix>

services.minetest−server.world

Name of the world to use. To list available worlds run ‘minetestserver −−world list’.

If only one world exists, this option can be null.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/games/minetest−server.nix>

services.minidlna.enable

Whether to enable MiniDLNA, a simple DLNA server. Consider adding ‘openFirewall = true’ into your config.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/minidlna.nix>

services.minidlna.package

The minidlna package to use.

Type: package

Default:

```
pkgs.minidlna
```

Declared by:
<nixpkgs/nixos/modules/services/networking/minidlna.nix>

services.minidlna.openFirewall
Whether to enable opening HTTP (TCP) and SSDP (UDP) ports in the firewall.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/minidlna.nix>

services.minidlna.settings
Configuration for **minidlna.conf**(5).

Type: open submodule of attribute set of (atom (null, bool, int, float or string) or a list of them for duplicate keys)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/minidlna.nix>

services.minidlna.settings.enable_subtitles
Enable subtitle support on unknown clients.

Type: one of “yes”, “no”

Default:

```
"yes"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/minidlna.nix>

services.minidlna.settings.enable_tivo
Support for streaming .jpg and .mp3 files to a TiVo supporting HMO.

Type: one of “yes”, “no”

Default:

```
"no"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/minidlna.nix>

services.minidlna.settings.db_dir
Specify the directory to store database and album art cache.

Type: absolute path

Default:

```
"/var/cache/minidlna"
```

Example:

```
"/tmp/minidlna"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/minidlna.nix>

services.minidlna.settings.friendly_name
Name that the server presents to clients.

Type: string

Default:

```
config.networking.hostName
```

Example:

```
"rpi3"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/minidlna.nix>

services.minidlna.settings.inotify
Whether to enable inotify monitoring to automatically discover new files.

Type: one of “yes”, “no”

Default:

```
"no"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/minidlna.nix>

services.minidlna.settings.log_level
Defines the type of messages that should be logged and down to which level of importance.

Type: string

Default:

```
"warn"
```

Example:

```
"general,artwork,database,inotify,scanner,metadata,http,ssdp,tivo=w \
arn"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/minidlna.nix>

services.minidlna.settings.media_dir
Directories to be scanned for media files. The ‘A,’ ‘V,’ ‘P,’ prefixes restrict a directory to audio, video or image files. The directories must be accessible to the ‘minidlna’ user account.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "/data/media"
  "V,/home/alice/video"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/minidlna.nix>

services.minidlna.settings.notify_interval

The interval between announces (in seconds). Instead of waiting for announces, you should set 'openFirewall' option to use SSDP discovery. Lower values (e.g. 30 seconds) should be used if your network is blocking the SSDP multicast. Some relevant information can be found **here**.

Type: signed integer

Default:

```
90000
```

Declared by:

<nixpkgs/nixos/modules/services/networking/minidlna.nix>

services.minidlna.settings.port

Port number for HTTP traffic (descriptions, SOAP, media transfer).

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8200
```

Declared by:

<nixpkgs/nixos/modules/services/networking/minidlna.nix>

services.minidlna.settings.root_container

Use a different container as the root of the directory tree presented to clients.

Type: string

Default:

```
"B"
```

Example:

```
"."
```

Declared by:

<nixpkgs/nixos/modules/services/networking/minidlna.nix>

services.minidlna.settings.wide_links

Set this to yes to allow symlinks that point outside user−defined 'media_dir'.

Type: one of "yes", "no"

Default:

```
"no"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/minidlna.nix>

services.miniflux.enable

Whether to enable miniflux.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/miniflux.nix>

services.miniflux.package
The miniflux package to use.

Type: package

Default:

```
pkgs.miniflux
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/miniflux.nix>

services.miniflux.adminCredentialsFile
File containing the ADMIN_USERNAME and ADMIN_PASSWORD (length >= 6) in the format of an EnvironmentFile=, as described by **systemd.exec**(5).

Type: null or absolute path

Default:

```
null
```

Example:

```
"/etc/nixos/miniflux-admin-credentials"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/miniflux.nix>

services.miniflux.config
Configuration for Miniflux, refer to **https://miniflux.app/docs/configuration.html** for documentation on the supported values.

Type: open submodule of attribute set of (string or signed integer)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/miniflux.nix>

services.miniflux.config.CREATE_ADMIN
Create an admin user from environment variables.

Type: signed integer or boolean convertible to it

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/miniflux.nix>

services.miniflux.config.DATABASE_URL
Postgresql connection parameters. See **lib/pq** for more details.

Type: null or string

Default:

```
if createDatabaseLocally then "user=miniflux host=/run/postgresql d \
bname=miniflux" else null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/miniflux.nix>

services.miniflux.config.LISTEN_ADDR
Address to listen on. Use absolute path for a Unix socket. Multiple addresses can be specified, separated by commas.

Type: string

Default:

```
"localhost:8080"
```

Example:

```
"127.0.0.1:8080, 127.0.0.1:8081"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/miniflux.nix>

services.miniflux.config.RUN_MIGRATIONS
Run database migrations.

Type: signed integer or boolean convertible to it

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/miniflux.nix>

services.miniflux.config.WATCHDOG
Enable or disable Systemd watchdog.

Type: signed integer or boolean convertible to it

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/miniflux.nix>

services.miniflux.createDatabaseLocally
Whether a PostgreSQL database should be automatically created and configured on the local host. If set to ‘false’, you need provision a database yourself.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/miniflux.nix>

services.minio.enable
Whether to enable Minio Object Storage.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/minio.nix>

services.minio.package
The minio package to use.

Type: package

Default:

```
pkgs.minio
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/minio.nix>

services.minio.accessKey
Access key of 5 to 20 characters in length that clients use to access the server. This overrides the access key that is generated by minio on first startup and stored inside the ‘configDir’ directory.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/minio.nix>

services.minio.browser
Enable or disable access to web UI.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/minio.nix>

services.minio.certificatesDir
The directory where TLS certificates are stored.

Type: absolute path

Default:

```
"/var/lib/minio/certs"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/minio.nix>

services.minio.configDir
The config directory, for the access keys and other settings.

Type: absolute path

Default:

```
"/var/lib/minio/config"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/minio.nix>

services.minio.consoleAddress

IP address and port of the web UI (console).

Type: string

Default:

```
":9001"
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/minio.nix>

services.minio.dataDir

The list of data directories or nodes for storing the objects. Use one path for regular operation and the minimum of 4 endpoints for Erasure Code mode.

Type: list of (absolute path or string)

Default:

```
[
  "/var/lib/minio/data"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/minio.nix>

services.minio.listenAddress

IP address and port of the server.

Type: string

Default:

```
":9000"
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/minio.nix>

services.minio.region

The physical location of the server. By default it is set to us−east−1, which is same as AWS S3's and Minio's default region.

Type: string

Default:

```
"us−east−1"
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/minio.nix>

services.minio.rootCredentialsFile

File containing the MINIO_ROOT_USER, default is "minioadmin", and MINIO_ROOT_PASSWORD (length >= 8), default is "minioadmin"; in the format of an EnvironmentFile=, as described by **systemd.exec**(5).

Type: null or absolute path

Default:

```
null
```

Example:

```
"/etc/nixos/minio−root−credentials"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/minio.nix>

services.minio.secretKey
Specify the Secret key of 8 to 40 characters in length that clients use to access the server. This overrides the secret key that is generated by minio on first startup and stored inside the ‘configDir’ directory.

Type: string

Default:
```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/minio.nix>

services.miniupnpd.enable
Whether to enable MiniUPnP daemon.

Type: boolean

Default:
```
false
```

Example:
```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/miniupnpd.nix>

services.miniupnpd.appendConfig
Configuration lines appended to the MiniUPnP config.

Type: strings concatenated with “\n”

Default:
```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/miniupnpd.nix>

services.miniupnpd.externalInterface
Name of the external interface.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/miniupnpd.nix>

services.miniupnpd.internalIPs
The IP address ranges to listen on.

Type: list of string

Default:
```
[ ]
```

Example:
```
[
  "192.168.1.1/24"
  "enp1s0"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/miniupnpd.nix>

services.miniupnpd.natpmp
Whether to enable NAT−PMP support.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/miniupnpd.nix>

services.miniupnpd.upnp
Whether to enable UPNP support.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/miniupnpd.nix>

services.mirakurun.enable
Whether to enable the Mirakurun DVR Tuner Server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/video/mirakurun.nix>

services.mirakurun.allowSmartCardAccess
Install polkit rules to allow Mirakurun to access smart card readers which is commonly used along with tuner devices.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/video/mirakurun.nix>

services.mirakurun.channelSettings
Options which are added to channels.yml. If none is specified, it will automatically be generated at runtime.

Documentation: **https://github.com/Chinachu/Mirakurun/blob/master/doc/Configuration.md**

Type: null or YAML 1.1 value

Default:

```
null
```

Example:

```
[
  {
    name = "channel";
    types = "GR";
    channel = "0";
  }
];
```

Declared by:
<nixpkgs/nixos/modules/services/video/mirakurun.nix>

services.mirakurun.openFirewall
Open ports in the firewall for Mirakurun.

Warning
Exposing Mirakurun to the open internet is generally advised against. Only use it inside a trusted local network, or consider putting it behind a VPN if you want remote access.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/video/mirakurun.nix>

services.mirakurun.port
Port to listen on. If 'null', it won't listen on any port.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
40772
```

Declared by:
<nixpkgs/nixos/modules/services/video/mirakurun.nix>

services.mirakurun.serverSettings
Options for server.yml.

Documentation: **https://github.com/Chinachu/Mirakurun/blob/master/doc/Configuration.md**

Type: YAML 1.1 value

Default:

```
{ }
```

Example:

```
{
  highWaterMark = 25165824;
  overflowTimeLimit = 30000;
};
```

Declared by:
<nixpkgs/nixos/modules/services/video/mirakurun.nix>

services.mirakurun.tunerSettings

Options which are added to tuners.yml. If none is specified, it will automatically be generated at runtime.

Documentation: **https://github.com/Chinachu/Mirakurun/blob/master/doc/Configuration.md**

Type: null or YAML 1.1 value

Default:

```
null
```

Example:

```
[
  {
    name = "tuner-name";
    types = [ "GR" "BS" "CS" "SKY" ];
    dvbDevicePath = "/dev/dvb/adapterX/dvrX";
  }
];
```

Declared by:

<nixpkgs/nixos/modules/services/video/mirakurun.nix>

services.mirakurun.unixSocket

Path to unix socket to listen on. If ‘null’, it won’t listen on any unix sockets.

Type: null or absolute path

Default:

```
"/var/run/mirakurun/mirakurun.sock"
```

Declared by:

<nixpkgs/nixos/modules/services/video/mirakurun.nix>

services.miredo.enable

Whether to enable the Miredo IPv6 tunneling service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/miredo.nix>

services.miredo.package

The miredo package to use.

Type: package

Default:

```
pkgs.miredo
```

Declared by:

<nixpkgs/nixos/modules/services/networking/miredo.nix>

services.miredo.bindAddress

Depending on the local firewall/NAT rules, you might need to force Miredo to use a fixed UDP port and or IPv4 address.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/miredo.nix>

services.miredo.bindPort

Depending on the local firewall/NAT rules, you might need to force Miredo to use a fixed UDP port and or IPv4 address.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/miredo.nix>

services.miredo.interfaceName

Name of the network tunneling interface.

Type: string

Default:

```
"teredo"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/miredo.nix>

services.miredo.serverAddress

The hostname or primary IPv4 address of the Teredo server. This setting is required if Miredo runs as a Teredo client. “teredo.remlab.net” is an experimental service for testing only. Please use another server for production and/or large scale deployments.

Type: string

Default:

```
"teredo.remlab.net"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/miredo.nix>

services.misskey.enable

Whether to enable misskey.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/misskey.nix>

services.misskey.package
The misskey package to use.

Type: package

Default:

```
pkgs.misskey
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/misskey.nix>

services.misskey.database.createLocally
Create the PostgreSQL database locally. Sets ‘services.misskey.settings.db.{db,host,port,user,pass}’.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/misskey.nix>

services.misskey.database.passwordFile
The path to a file containing the database password. Sets ‘services.misskey.settings.db.pass’.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/misskey.nix>

services.misskey.meilisearch.createLocally
Create and use a local Meilisearch instance. Sets ‘services.misskey.settings.meilisearch.{host,port,ssl}’.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/misskey.nix>

services.misskey.meilisearch.keyFile
The path to a file containing the Meilisearch API key. Sets ‘services.misskey.settings.meilisearch.apiKey’.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/misskey.nix>

services.misskey.redis.createLocally
Create and use a local Redis instance. Sets ‘services.misskey.settings.redis.host’.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/misskey.nix>

services.misskey.redis.passwordFile
The path to a file containing the Redis password. Sets ‘services.misskey.settings.redis.pass’.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/misskey.nix>

services.misskey.reverseProxy.enable
Whether to enable a HTTP reverse proxy for Misskey.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/misskey.nix>

services.misskey.reverseProxy.host
The fully qualified domain name to bind to. Sets ‘services.misskey.settings.url’.

This is required when using ‘services.misskey.reverseProxy.enable = true’.

Type: null or string

Default:

```
null
```

Example:

```
"misskey.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/misskey.nix>

services.misskey.reverseProxy.ssl
Whether to enable SSL for the reverse proxy. Sets ‘services.misskey.settings.url’.

This is required when using ‘services.misskey.reverseProxy.enable = true’.

Type: null or boolean

Default:

```
null
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/misskey.nix>

services.misskey.reverseProxy.webserver
The webserver to use as the reverse proxy.

Type: attribute−tagged union with choices: caddy, nginx

Declared by:
<nixpkgs/nixos/modules/services/web−apps/misskey.nix>

services.misskey.reverseProxy.webserver.caddy
Extra configuration for the caddy virtual host of Misskey. Set to '{ }' to use the default configuration.

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/misskey.nix>

services.misskey.reverseProxy.webserver.caddy.extraConfig
Additional lines of configuration appended to this virtual host in the automatically generated 'Caddyfile'.

Type: strings concatenated with "\n"

Default:

```
""
```

services.misskey.reverseProxy.webserver.caddy.hostName
Canonical hostname for the server.

Type: string

Default:

```
"‹name›"
```

services.misskey.reverseProxy.webserver.caddy.listenAddresses
A list of host interfaces to bind to for this virtual host.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "127.0.0.1"
  "::1"
]
```

services.misskey.reverseProxy.webserver.caddy.logFormat
Configuration for HTTP request logging (also known as access logs). See **https://caddyserver.com/docs/caddyfile/directives/log#log** for details.

Type: null or strings concatenated with "\n"

Default:

```
  output file ''${config.services.caddy.logDir}/access−''${hostNam \
e}.log
```

Example:

```
mkForce ''
  output discard
```

1. https://caddyserver.com/docs/caddyfile/directives/log#log

services.misskey.reverseProxy.webserver.caddy.serverAliases
Additional names of virtual hosts served by this virtual host configuration.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
  "example.org"
]
```

services.misskey.reverseProxy.webserver.caddy.useACMEHost
A host of an existing Let's Encrypt certificate to use. This is mostly useful if you use DNS challenges but Caddy does not currently support your provider.

Note that this option does not create any certificates, nor does it add subdomains to existing ones – you will need to create them manually using **security.acme.certs**[1].

Type: null or string

Default:

```
null
```

1. see the **security.acme.certs** option

services.misskey.reverseProxy.webserver.nginx
Extra configuration for the nginx virtual host of Misskey. Set to '{ }' to use the default configuration.

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/misskey.nix>

services.misskey.reverseProxy.webserver.nginx.enableACME
Whether to ask Let's Encrypt to sign a certificate for this vhost. Alternately, you can use an existing certificate through **useACMEHost**.

Type: boolean

Default:

```
false
```

services.misskey.reverseProxy.webserver.nginx.acmeFallbackHost
Host which to proxy requests to if ACME challenge is not found. Useful if you want multiple hosts to be able to verify the same domain name.

With this option, you could request certificates for the present domain with an ACME client that is running on another host, which you would specify here.

Type: null or string

Default:

```
null
```

services.misskey.reverseProxy.webserver.nginx.acmeRoot

Directory for the ACME challenge, which is **public**. Don't put certs or keys in here. Set to null to inherit from config.security.acme.

Type: null or string

Default:

```
"/var/lib/acme/acme-challenge"
```

services.misskey.reverseProxy.webserver.nginx.addSSL
Whether to enable HTTPS in addition to plain HTTP. This will set defaults for 'listen' to listen on all interfaces on the respective default ports (80, 443).

Type: boolean

Default:

```
false
```

services.misskey.reverseProxy.webserver.nginx.basicAuth
Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

services.misskey.reverseProxy.webserver.nginx.basicAuthFile
Basic Auth password file for a vhost. Can be created by running **nix-shell --packages apacheHttpd --run 'htpasswd -B -c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

services.misskey.reverseProxy.webserver.nginx.default
Makes this vhost the default.

Type: boolean

Default:

```
false
```

services.misskey.reverseProxy.webserver.nginx.extraConfig
These lines go to the end of the vhost verbatim.

Type: strings concatenated with "\n"

Default:

```
""
```

services.misskey.reverseProxy.webserver.nginx.forceSSL
Whether to add a separate nginx server block that redirects (defaults to 301, configurable with 'redirectCode') all plain HTTP traffic to HTTPS. This will set defaults for 'listen' to listen on all interfaces on the respective default ports (80, 443), where the non-SSL listens are used for the redirect vhosts.

Type: boolean

Default:

```
false
```

services.misskey.reverseProxy.webserver.nginx.globalRedirect

If set, all requests for this host are redirected (defaults to 301, configurable with ‘redirectCode’) to the given hostname.

Type: null or string

Default:

```
null
```

Example:

```
"newserver.example.org"
```

services.misskey.reverseProxy.webserver.nginx.http2

Type: boolean

Default:

```
true
```

services.misskey.reverseProxy.webserver.nginx.http3

Type: boolean

Default:

```
true
```

1. https://quic.nginx.org/

services.misskey.reverseProxy.webserver.nginx.http3_hq

Type: boolean

Default:

```
false
```

1. https://quic.nginx.org/

services.misskey.reverseProxy.webserver.nginx.kTLS

Whether to enable kTLS support. Implementing TLS in the kernel (kTLS) improves performance by significantly reducing the need for copying operations between user space and the kernel. Required Nginx version 1.21.4 or later.

Type: boolean

Default:

```
false
```

services.misskey.reverseProxy.webserver.nginx.listen

Listen addresses and ports for this virtual host. IPv6 addresses must be enclosed in square brackets. Note: this option overrides ‘addSSL’ and ‘onlySSL’.

If you only want to set the addresses manually and not the ports, take a look at ‘listenAddresses’.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
```

```
    {
      addr = "195.154.1.1";
      port = 443;
      ssl = true;
    }
    {
      addr = "192.154.1.1";
      port = 80;
    }
    {
      addr = "unix:/var/run/nginx.sock";
    }
  ]
```

services.misskey.reverseProxy.webserver.nginx.listen.*.addr
Listen address.

Type: string

services.misskey.reverseProxy.webserver.nginx.listen.*.extraParameters
Extra parameters of this listen directive.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "backlog=1024"
  "deferred"
]
```

services.misskey.reverseProxy.webserver.nginx.listen.*.port
Port number to listen on. If unset and the listen address is not a socket then nginx defaults to 80.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

services.misskey.reverseProxy.webserver.nginx.listen.*.proxyProtocol
Enable PROXY protocol.

Type: boolean

Default:

```
false
```

services.misskey.reverseProxy.webserver.nginx.listen.*.ssl
Enable SSL.

Type: boolean

Default:

```
false
```

services.misskey.reverseProxy.webserver.nginx.listenAddresses
Listen addresses for this virtual host. Compared to ‘listen’ this only sets the addresses and the ports are chosen automatically.

Note: This option overrides ‘networking.enableIPv6’

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "127.0.0.1"
  "[::1]"
]
```

services.misskey.reverseProxy.webserver.nginx.locations

Declarative location config

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "/" = {
    proxyPass = "http://localhost:3000";
  };
};
```

services.misskey.reverseProxy.webserver.nginx.locations.<name>.alias

Alias directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/alias/directory"
```

services.misskey.reverseProxy.webserver.nginx.locations.<name>.basicAuth

Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

services.misskey.reverseProxy.webserver.nginx.locations.<name>.basicAuthFile

Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

services.misskey.reverseProxy.webserver.nginx.locations.<name>.extraConfig
These lines go to the end of the location verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

services.misskey.reverseProxy.webserver.nginx.locations.<name>.fastcgiParams
FastCGI parameters to override. Unlike in the Nginx configuration file, overriding only some default parameters won’t unset the default values for other parameters.

Type: attribute set of (string or absolute path)

Default:

```
{ }
```

services.misskey.reverseProxy.webserver.nginx.locations.<name>.index
Adds index directive.

Type: null or string

Default:

```
null
```

Example:

```
"index.php index.html"
```

services.misskey.reverseProxy.webserver.nginx.locations.<name>.priority
Order of this location block in relation to the others in the vhost. The semantics are the same as with ‘lib.mkOrder’. Smaller values have a greater priority.

Type: signed integer

Default:

```
1000
```

services.misskey.reverseProxy.webserver.nginx.locations.<name>.proxyPass
Adds proxy_pass directive and sets recommended proxy headers if recommendedProxySettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"http://www.example.org/"
```

services.misskey.reverseProxy.webserver.nginx.locations.<name>.proxyWebsockets
Whether to support proxying websocket connections with HTTP/1.1.

Type: boolean

Default:

```
false
```

Example:

```
true
```

services.misskey.reverseProxy.webserver.nginx.locations.<name>.recommendedProxySettings

Enable recommended proxy settings.

Type: boolean

Default:

```
config.services.nginx.recommendedProxySettings
```

services.misskey.reverseProxy.webserver.nginx.locations.<name>.recommendedUwsgiSettings
Enable recommended uwsgi settings.

Type: boolean

Default:

```
config.services.nginx.recommendedUwsgiSettings
```

services.misskey.reverseProxy.webserver.nginx.locations.<name>.return
Adds a return directive, for e.g. redirections.

Type: null or string or signed integer

Default:

```
null
```

Example:

```
"301 http://example.com$request_uri"
```

services.misskey.reverseProxy.webserver.nginx.locations.<name>.root
Root directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/root/directory"
```

services.misskey.reverseProxy.webserver.nginx.locations.<name>.tryFiles
Adds try_files directive.

Type: null or string

Default:

```
null
```

Example:

```
"$uri =404"
```

services.misskey.reverseProxy.webserver.nginx.locations.<name>.uwsgiPass
Adds uwsgi_pass directive and sets recommended proxy headers if recommendedUwsgiSettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"unix:/run/example/example.sock"
```

services.misskey.reverseProxy.webserver.nginx.onlySSL
Whether to enable HTTPS and reject plain HTTP connections. This will set defaults for ‘listen’ to listen

on all interfaces on port 443.

Type: boolean

Default:

```
false
```

services.misskey.reverseProxy.webserver.nginx.quic
Whether to enable the QUIC transport protocol. Note that QUIC support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

1. https://quic.nginx.org/

services.misskey.reverseProxy.webserver.nginx.redirectCode
HTTP status used by 'globalRedirect' and 'forceSSL'. Possible usecases include temporary (302, 307) redirects, keeping the request method and body (307, 308), or explicitly resetting the method to GET (303). See **https://developer.mozilla.org/en-US/docs/Web/HTTP/Redirections**.

Type: integer between 300 and 399 (both inclusive)

Default:

```
301
```

Example:

```
308
```

1. https://developer.mozilla.org/en-US/docs/Web/HTTP/Redirections

services.misskey.reverseProxy.webserver.nginx.rejectSSL
Whether to listen for and reject all HTTPS connections to this vhost. Useful in **default** server blocks to avoid serving the certificate for another vhost. Uses the 'ssl_reject_handshake' directive available in nginx versions 1.19.4 and above.

Type: boolean

Default:

```
false
```

1. see the **services.nginx.virtualHosts.<name>.default** option

services.misskey.reverseProxy.webserver.nginx.reuseport
Create an individual listening socket . It is required to specify only once on one of the hosts.

Type: boolean

Default:

```
false
```

services.misskey.reverseProxy.webserver.nginx.root
The path of the web root directory.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/data/webserver/docs"
```

services.misskey.reverseProxy.webserver.nginx.serverAliases
Additional names of virtual hosts served by this virtual host configuration.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
  "example.org"
]
```

services.misskey.reverseProxy.webserver.nginx.serverName
Name of this virtual host. Defaults to attribute name in virtualHosts.

Type: null or string

Default:

```
null
```

Example:

```
"example.org"
```

services.misskey.reverseProxy.webserver.nginx.sslCertificate
Path to server SSL certificate.

Type: absolute path

Example:

```
"/var/host.cert"
```

services.misskey.reverseProxy.webserver.nginx.sslCertificateKey
Path to server SSL certificate key.

Type: absolute path

Example:

```
"/var/host.key"
```

services.misskey.reverseProxy.webserver.nginx.sslTrustedCertificate
Path to root SSL certificate for stapling and client certificates.

Type: null or absolute path

Default:

```
null
```

Example:

```
"${pkgs.cacert}/etc/ssl/certs/ca-bundle.crt"
```

services.misskey.reverseProxy.webserver.nginx.useACMEHost
A host of an existing Let's Encrypt certificate to use. This is useful if you have many subdomains and want to avoid hitting the **rate limit**. Alternately, you can generate a certificate through **enableACME**. *Note that this option does not create any certificates, nor it does add subdomains to existing ones – you will need to create them manually using* **security.acme.certs**[2].

Type: null or string

Default:

```
null
```

1. https://letsencrypt.org/docs/rate−limits
2. see the **security.acme.certs** option

services.misskey.settings

Configuration for Misskey, see ‘example.yml’ for all supported options.

Type: open submodule of attribute set of (YAML 1.1 value)

Declared by:

<nixpkgs/nixos/modules/services/web−apps/misskey.nix>

services.misskey.settings.chmodSocket

The file access mode of the UNIX socket.

Type: null or string

Default:

```
null
```

Example:

```
"777"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/misskey.nix>

services.misskey.settings.db

Database settings.

Type: submodule

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/misskey.nix>

services.misskey.settings.db.db

The database name.

Type: string

Default:

```
"misskey"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/misskey.nix>

services.misskey.settings.db.disableCache

Whether to disable caching queries.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/misskey.nix>

services.misskey.settings.db.extra

Extra connection options.

Type: null or (attribute set of (YAML 1.1 value))

Default:

```
null
```

Example:

```
{
  ssl = true;
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/misskey.nix>

services.misskey.settings.db.host

The PostgreSQL host.

Type: string

Default:

```
"/var/run/postgresql"
```

Example:

```
"localhost"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/misskey.nix>

services.misskey.settings.db.pass

The password used for database authentication.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/misskey.nix>

services.misskey.settings.db.port

The PostgreSQL port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5432
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/misskey.nix>

services.misskey.settings.db.user

The user used for database authentication.

Type: string

Default:

```
"misskey"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/misskey.nix>

services.misskey.settings.id
The ID generation method to use. Do not change after starting Misskey for the first time.

Type: one of “aid”, “aidx”, “meid”, “ulid”, “objectid”

Default:

```
"aidx"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/misskey.nix>

services.misskey.settings.meilisearch
Meilisearch connection options.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/misskey.nix>

services.misskey.settings.meilisearch.apiKey
The Meilisearch API key.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/misskey.nix>

services.misskey.settings.meilisearch.host
The Meilisearch host.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/misskey.nix>

services.misskey.settings.meilisearch.index
Meilisearch index to use.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/misskey.nix>

services.misskey.settings.meilisearch.port
The Meilisearch port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
7700
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/misskey.nix>

services.misskey.settings.meilisearch.scope
The search scope.

Type: one of “local”, “global”

Default:

```
"local"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/misskey.nix>

services.misskey.settings.meilisearch.ssl
Whether to connect via SSL.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/misskey.nix>

services.misskey.settings.port
The port your Misskey server should listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/misskey.nix>

services.misskey.settings.redis
‘ioredis’ options. See ‘README’ for reference.

Type: open submodule of attribute set of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/misskey.nix>

services.misskey.settings.redis.host
The Redis host.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/misskey.nix>

services.misskey.settings.redis.port
The Redis port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
6379
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/misskey.nix>

services.misskey.settings.redisForJobQueue
'ioredis' options for the job queue. See 'README' for reference.

Type: null or (open submodule of attribute set of (YAML 1.1 value))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/misskey.nix>

services.misskey.settings.redisForJobQueue.host
The Redis host.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/misskey.nix>

services.misskey.settings.redisForJobQueue.port
The Redis port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
6379
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/misskey.nix>

services.misskey.settings.redisForPubsub
'ioredis' options for pubsub. See 'README' for reference.

Type: null or (open submodule of attribute set of (YAML 1.1 value))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/misskey.nix>

services.misskey.settings.redisForPubsub.host
The Redis host.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/misskey.nix>

services.misskey.settings.redisForPubsub.port
The Redis port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
6379
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/misskey.nix>

services.misskey.settings.redisForTimelines
'ioredis' options for timelines. See 'README' for reference.

Type: null or (open submodule of attribute set of (YAML 1.1 value))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/misskey.nix>

services.misskey.settings.redisForTimelines.host
The Redis host.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/misskey.nix>

services.misskey.settings.redisForTimelines.port
The Redis port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
6379
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/misskey.nix>

services.misskey.settings.socket
The UNIX socket your Misskey server should listen on.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/path/to/misskey.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/misskey.nix>

services.misskey.settings.url

The final user−facing URL. Do not change after running Misskey for the first time.

This needs to match up with the configured reverse proxy and is automatically configured when using ‘services.misskey.reverseProxy’.

Type: string

Example:

```
"https://example.tld/"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/misskey.nix>

services.mjolnir.enable

Whether to enable Mjolnir, a moderation tool for Matrix.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/mjolnir.nix>

services.mjolnir.accessTokenFile

File containing the matrix access token for the ‘mjolnir’ user.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/mjolnir.nix>

services.mjolnir.dataPath

The directory the bot should store various bits of information in.

Type: absolute path

Default:

```
"/var/lib/mjolnir"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/mjolnir.nix>

services.mjolnir.homeserverUrl

Where the homeserver is located (client−server URL).

If ‘pantalaimon.enable’ is ‘true’, this option will become the homeserver to which ‘pantalaimon’ connects. The listen address of ‘pantalaimon’ will then become the ‘homeserverUrl’ of ‘mjolnir’.

Type: string

Default:

```
"https://matrix.org"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/mjolnir.nix>

services.mjolnir.managementRoom
The room ID where people can use the bot. The bot has no access controls, so anyone in this room can use the bot − secure your room! This should be a room alias or room ID − not a matrix.to URL. Note: ‘mjolnir’ is fairly verbose − expect a lot of messages from it.

Type: string

Default:

```
"#moderators:example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/mjolnir.nix>

services.mjolnir.pantalaimon
‘pantalaimon’ options (enables E2E Encryption support).

This will create a ‘pantalaimon’ instance with the name “mjolnir”.

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/mjolnir.nix>

services.mjolnir.pantalaimon.enable
Whether to enable ignoring the accessToken. If true, accessToken is ignored and the username/password below will be used instead. The access token of the bot will be stored in the dataPath .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/mjolnir.nix>

services.mjolnir.pantalaimon.options
passthrough additional options to the ‘pantalaimon’ service.

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/mjolnir.nix>

services.mjolnir.pantalaimon.options.dataPath
The directory where ‘pantalaimon’ should store its state such as the database file.

Type: absolute path

Default:

```
"/var/lib/pantalaimon-‹name›"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/mjolnir.nix>

services.mjolnir.pantalaimon.options.extraSettings
Extra configuration options. See **pantalaimon(5)** for available options.

Type: attribute set

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/mjolnir.nix>

services.mjolnir.pantalaimon.options.homeserver
The URI of the homeserver that the ‘pantalaimon’ proxy should forward requests to, without the matrix API path but including the http(s) schema.

Type: string

Example:

```
"https://matrix.org"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/mjolnir.nix>

services.mjolnir.pantalaimon.options.listenAddress
The address where the daemon will listen to client connections for this homeserver.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/mjolnir.nix>

services.mjolnir.pantalaimon.options.listenPort
The port where the daemon will listen to client connections for this homeserver. Note that the listen address/port combination needs to be lib.unique between different homeservers.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8009
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/mjolnir.nix>

services.mjolnir.pantalaimon.options.logLevel
Set the log level of the daemon.

Type: one of “info”, “warning”, “error”, “debug”

Default:

```
"warning"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/mjolnir.nix>

services.mjolnir.pantalaimon.options.ssl
Whether or not SSL verification should be enabled for outgoing connections to the homeserver.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/mjolnir.nix>

services.mjolnir.pantalaimon.passwordFile
File containing the matrix password for the ‘mjolnir’ user.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/mjolnir.nix>

services.mjolnir.pantalaimon.username
The username to login with.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/matrix/mjolnir.nix>

services.mjolnir.protectedRooms
A list of rooms to protect (matrix.to URLs).

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "https://matrix.to/#/#yourroom:example.org"
  "https://matrix.to/#/#anotherroom:example.org"
]
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/mjolnir.nix>

services.mjolnir.settings
Additional settings (see **mjolnir default config** for available settings). These settings will override settings made by the module config.

Type: YAML 1.1 value

Default:

```
{ }
```

Example:

```
{
  autojoinOnlyIfManager = true;
  automaticallyRedactForReasons = [ "spam" "advertising" ];
}
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/mjolnir.nix>

services.mjpg−streamer.enable
Whether to enable mjpg−streamer webcam streamer.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mjpg−streamer.nix>

services.mjpg−streamer.group
mjpg−streamer group name.

Type: string

Default:

```
"video"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mjpg−streamer.nix>

services.mjpg−streamer.inputPlugin
Input plugin. See plugins documentation for more information.

Type: string

Default:

```
"input_uvc.so"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mjpg−streamer.nix>

services.mjpg−streamer.outputPlugin
Output plugin. '@www@' is substituted for default mjpg−streamer www directory. See plugins documentation for more information.

Type: string

Default:

```
"output_http.so −w @www@ −n −p 5050"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mjpg−streamer.nix>

services.mjpg−streamer.user
mjpg−streamer user name.

Type: string

Default:

```
"mjpg−streamer"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mjpg−streamer.nix>

services.mlmmj.enable
Enable mlmmj

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/mail/mlmmj.nix>

services.mlmmj.group
mailinglist local group

Type: string

Default:

```
"mlmmj"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/mlmmj.nix>

services.mlmmj.listDomain
Set the mailing list domain

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/mlmmj.nix>

services.mlmmj.mailLists
The collection of hosted maillists

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/mlmmj.nix>

services.mlmmj.maintInterval
Time interval between mlmmj−maintd runs, see **systemd.time**(7) for format information.

Type: string

Default:

```
"20min"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/mlmmj.nix>

services.mlmmj.user
mailinglist local user

Type: string

Default:

```
"mlmmj"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/mlmmj.nix>

services.mmsd.enable
Whether to enable Multimedia Messaging Service Daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mmsd.nix>

services.mmsd.extraArgs
Extra arguments passed to ‘mmsd−tng’

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--debug"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mmsd.nix>

services.mobilizon.enable
Whether to enable Mobilizon federated organization and mobilization platform.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mobilizon.nix>

services.mobilizon.package
The mobilizon package to use.

Type: package

Default:

```
pkgs.mobilizon
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mobilizon.nix>

services.mobilizon.nginx.enable

Whether an Nginx virtual host should be set up to serve Mobilizon.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mobilizon.nix>

services.mobilizon.settings

Mobilizon Elixir documentation, see **https://docs.joinmobilizon.org/administration/configure/reference/** for supported values.

Type: open submodule of attribute set of attribute set of (Elixir value)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mobilizon.nix>

services.mobilizon.settings.":mobilizon"."instance".email_from

The email for the From: header in emails

Type: string or (raw elixir)

Default:

```
noreply@${settings.":mobilizon"."instance".hostname}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mobilizon.nix>

services.mobilizon.settings.":mobilizon"."instance".email_reply_to

The email for the Reply−To: header in emails

Type: string or (raw elixir)

Default:

```
${email_from}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mobilizon.nix>

services.mobilizon.settings.":mobilizon"."instance".hostname

Your instance's hostname

Type: string or (raw elixir)

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mobilizon.nix>

services.mobilizon.settings.":mobilizon"."instance".name

The fallback instance name if not configured into the admin UI

Type: string or (raw elixir)

Declared by:

<nixpkgs/nixos/modules/services/web−apps/mobilizon.nix>

services.mobilizon.settings.":mobilizon"."Mobilizon.Storage.Repo".database
Name of the database

Type: null or string or (raw elixir)

Default:

```
"mobilizon_prod"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mobilizon.nix>

services.mobilizon.settings.":mobilizon"."Mobilizon.Storage.Repo".socket_dir
Path to the postgres socket directory.

Set this to null if you want to connect to a remote database.

If non−null, the local PostgreSQL server will be configured with the configured database, permissions, and required extensions.

If connecting to a remote database, please follow the instructions on how to setup your database: **https://docs.joinmobilizon.org/administration/install/release/#database−setup**

Type: null or string or (raw elixir)

Default:

```
"/run/postgresql"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mobilizon.nix>

services.mobilizon.settings.":mobilizon"."Mobilizon.Storage.Repo".username
User used to connect to the database

Type: null or string or (raw elixir)

Default:

```
"mobilizon"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mobilizon.nix>

services.mobilizon.settings.":mobilizon"."Mobilizon.Web.Endpoint".has_reverse_proxy
Whether you use a reverse proxy

Type: boolean or (raw elixir)

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mobilizon.nix>

services.mobilizon.settings.":mobilizon"."Mobilizon.Web.Endpoint".http.ip
The IP address to listen on. Defaults to [::1] notated as a byte tuple.

Type: (elixir tuple) or (raw elixir)

Default:

```
{
  _elixirType = "tuple";
  value = [
    0
    0
    0
```

```
      0
      0
      0
      0
      1
    ];
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mobilizon.nix>

services.mobilizon.settings.":mobilizon"."Mobilizon.Web.Endpoint".http.port
The port to run the server

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive) or (raw elixir)

Default:

```
4000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mobilizon.nix>

services.mobilizon.settings.":mobilizon"."Mobilizon.Web.Endpoint".url.host
Your instance’s hostname for generating URLs throughout the app

Type: string or (raw elixir)

Default: ${settings.“:mobilizon”.“:instance”.hostname}

Declared by:
<nixpkgs/nixos/modules/services/web−apps/mobilizon.nix>

services.molly−brown.enable
Whether to enable Molly−Brown Gemini server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/molly−brown.nix>

services.molly−brown.certPath
Path to TLS certificate. An ACME certificate and key may be shared with an HTTP server, but only if molly−brown has permissions allowing it to read such keys.

As an example:

```
systemd.services.molly−brown.serviceConfig.SupplementaryGroups =
  [ config.security.acme.certs."example.com".group ];
```

Type: absolute path

Example:

```
"/var/lib/acme/example.com/cert.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/molly−brown.nix>

services.molly−brown.docBase
Base directory for Gemini content.

Type: absolute path

Example:

```
"/var/lib/molly-brown"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/molly−brown.nix>

services.molly−brown.hostName
The hostname to respond to requests for. Requests for URLs with other hosts will result in a status 53 (PROXY REQUEST REFUSED) response.

Type: string

Default:

```
config.networking.hostName
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/molly−brown.nix>

services.molly−brown.keyPath
Path to TLS key. See **CertPath**.

Type: absolute path

Example:

```
"/var/lib/acme/example.com/key.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/molly−brown.nix>

services.molly−brown.port
TCP port for molly−brown to bind to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
1965
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/molly−brown.nix>

services.molly−brown.settings
molly−brown configuration. Refer to **https://tildegit.org/solderpunk/molly−brown/src/branch/master/example.conf** for details on supported values.

Type: TOML value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/molly−brown.nix>

services.mollysocket.enable

Whether to enable **MollySocket** for getting Signal notifications via UnifiedPush .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/mollysocket.nix>

services.mollysocket.environmentFile

Environment file (see **systemd.exec**(5) “EnvironmentFile=” section for the syntax) passed to the service. This option can be used to safely include secrets in the configuration.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/mollysocket"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/mollysocket.nix>

services.mollysocket.logLevel

Set the **RUST_LOG** environment variable

Type: string

Default:

```
"info"
```

Example:

```
"debug"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/mollysocket.nix>

services.mollysocket.settings

Configuration for MollySocket. Available options are listed **here**.

Type: open submodule of (TOML value)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/misc/mollysocket.nix>

services.mollysocket.settings.allowed_endpoints

List of UnifiedPush servers

Type: list of string

Default:

```
[
  "*"
```

```
]
```

Example:

```
[
  "https://ntfy.sh"
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mollysocket.nix>

services.mollysocket.settings.allowed_uuids
UUIDs of Signal accounts that may use this server

Type: list of string

Default:

```
[
  "*"
]
```

Example:

```
[
  "abcdef-12345-tuxyz-67890"
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mollysocket.nix>

services.mollysocket.settings.host
Listening address of the web server

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mollysocket.nix>

services.mollysocket.settings.port
Listening port of the web server

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8020
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mollysocket.nix>

services.monado.enable
Whether to enable Monado user service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/monado.nix>

services.monado.package
The monado package to use.

Type: package

Default:

```
pkgs.monado
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/monado.nix>

services.monado.defaultRuntime
Whether to enable Monado as the default OpenXR runtime on the system.

Note that applications can bypass this option by setting an active runtime in a writable XDG_CONFIG_DIRS location like '~/.config'.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/monado.nix>

services.monado.forceDefaultRuntime
Whether to ensure that Monado is the active runtime set for the current user.

This replaces the file 'XDG_CONFIG_HOME/openxr/1/active_runtime.json' when starting the service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/monado.nix>

services.monado.highPriority
Whether to enable high priority capability for monado−service.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/monado.nix>

services.monero.enable

Whether to enable Monero node daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/monero.nix>

services.monero.banlist

Path to a text file containing IPs to block. Useful to prevent DDoS/deanonymization attacks.

https://github.com/monero-project/meta/issues/1124

Type: null or absolute path

Default:

```
null
```

Example:

```
builtins.fetchurl {
  url = "https://raw.githubusercontent.com/rblaine95/monero-banlis \
t/c6eb9413ddc777e7072d822f49923df0b2a94d88/block.txt";
  hash = "";
};
```

Declared by:

<nixpkgs/nixos/modules/services/networking/monero.nix>

services.monero.dataDir

The directory where Monero stores its data files.

Type: string

Default:

```
"/var/lib/monero"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/monero.nix>

services.monero.environmentFile

Path to an EnvironmentFile for the monero service as defined in **systemd.exec**(5).

Secrets may be passed to the service by specifying placeholder variables in the Nix config and setting values in the environment file.

Example:

```
# In environment file:
MINING_ADDRESS=888tNkZrPN6JsEgekjMnABU4TBzc2Dt29EPAvkRxbANsAnjyPbb3 \
iQ1YBRk1UXcdRsiKc9dhwMVgN5S9cQUiyoogDavup3H

# Service config
services.monero.mining.address = "$MINING_ADDRESS";
```

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/lib/monero/monerod.env"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/monero.nix>

services.monero.exclusiveNodes
List of peer IP addresses to connect to *only*. If given the other peer options will be ignored.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/monero.nix>

services.monero.extraConfig
Extra lines to be added verbatim to monerod configuration.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/monero.nix>

services.monero.extraNodes
List of additional peer IP addresses to add to the local list.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/monero.nix>

services.monero.limits.download
Limit of the download rate in kB/s. Set to ‘−1’ to leave unlimited.

Type: signed integer

Default:

```
-1
```

Declared by:
<nixpkgs/nixos/modules/services/networking/monero.nix>

services.monero.limits.syncSize
Maximum number of blocks to sync at once. Set to ‘0’ for adaptive.

Type: unsigned integer, meaning >=0

Default:

Declared by:
<nixpkgs/nixos/modules/services/networking/monero.nix>

services.monero.limits.threads

Maximum number of threads used for a parallel job. Set to ‘0’ to leave unlimited.

Type: unsigned integer, meaning >=0

Default:

Declared by:
<nixpkgs/nixos/modules/services/networking/monero.nix>

services.monero.limits.upload

Limit of the upload rate in kB/s. Set to ‘−1’ to leave unlimited.

Type: signed integer

Default:

```
-1
```

Declared by:
<nixpkgs/nixos/modules/services/networking/monero.nix>

services.monero.mining.enable

Whether to mine monero.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/monero.nix>

services.monero.mining.address

Monero address where to send mining rewards.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/monero.nix>

services.monero.mining.threads

Number of threads used for mining. Set to ‘0’ to use all available.

Type: unsigned integer, meaning >=0

Default:

Declared by:
<nixpkgs/nixos/modules/services/networking/monero.nix>

services.monero.priorityNodes

List of peer IP addresses to connect to and attempt to keep the connection open.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/monero.nix>

services.monero.prune

Whether to prune the blockchain. **https://www.getmonero.org/resources/moneropedia/pruning.html**

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/monero.nix>

services.monero.rpc.address

IP address the RPC server will bind to.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/monero.nix>

services.monero.rpc.password

Password for RPC connections.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/monero.nix>

services.monero.rpc.port

Port the RPC server will bind to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
18081
```

Declared by:

<nixpkgs/nixos/modules/services/networking/monero.nix>

services.monero.rpc.restricted

Whether to restrict RPC to view only commands.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/monero.nix>

services.monero.rpc.user

User name for RPC connections.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/monero.nix>

services.monetdb.enable
Whether to enable the MonetDB database server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/databases/monetdb.nix>

services.monetdb.package
The monetdb package to use.

Type: package

Default:

```
pkgs.monetdb
```

Declared by:
<nixpkgs/nixos/modules/services/databases/monetdb.nix>

services.monetdb.dataDir
Data directory for the dbfarm.

Type: absolute path

Default:

```
"/var/lib/monetdb"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/monetdb.nix>

services.monetdb.group
Group under which MonetDB runs.

Type: string

Default:

```
"monetdb"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/monetdb.nix>

services.monetdb.listenAddress
Address to listen on.

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/monetdb.nix>

services.monetdb.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
50000
```

Declared by:
<nixpkgs/nixos/modules/services/databases/monetdb.nix>

services.monetdb.user
User account under which MonetDB runs.

Type: string

Default:

```
"monetdb"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/monetdb.nix>

services.mongodb.enable
Whether to enable the MongoDB server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/databases/mongodb.nix>

services.mongodb.enableAuth
Enable client authentication. Creates a default superuser with username root!

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/databases/mongodb.nix>

services.mongodb.package
The mongodb package to use.

Type: package

Default:

```
pkgs.mongodb
```

Example:

```
pkgs.mongodb-ce
```

Declared by:
<nixpkgs/nixos/modules/services/databases/mongodb.nix>

services.mongodb.bind_ip
IP to bind to

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/mongodb.nix>

services.mongodb.dbpath
Location where MongoDB stores its files

Type: string

Default:

```
"/var/db/mongodb"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/mongodb.nix>

services.mongodb.extraConfig
MongoDB extra configuration in YAML format

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
  storage.journal.enabled: false
```

Declared by:
<nixpkgs/nixos/modules/services/databases/mongodb.nix>

services.mongodb.initialRootPasswordFile
Path to the file containing the password for the root user if auth is enabled.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/databases/mongodb.nix>

services.mongodb.initialScript
A file containing MongoDB statements to execute on first startup.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/databases/mongodb.nix>

services.mongodb.mongoshPackage
The mongosh package to use.

Type: package

Default:

```
pkgs.mongosh
```

Declared by:
<nixpkgs/nixos/modules/services/databases/mongodb.nix>

services.mongodb.pidFile
Location of MongoDB pid file

Type: string

Default:

```
"/run/mongodb.pid"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/mongodb.nix>

services.mongodb.quiet
quieter output

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/databases/mongodb.nix>

services.mongodb.replSetName
If this instance is part of a replica set, set its name here. Otherwise, leave empty to run as single node.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/databases/mongodb.nix>

services.mongodb.user
User account under which MongoDB runs

Type: string

Default:

```
"mongodb"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/mongodb.nix>

services.monica.enable
Whether to enable monica.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.appKeyFile

A file containing the Laravel APP_KEY − a 32 character long, base64 encoded key used for encryption where needed. Can be generated with <code>head −c 32 /dev/urandom | base64</code>.

Type: absolute path

Example:

```
"/run/keys/monica−appkey"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.appURL

The root URL that you want to host monica on. All URLs in monica will be generated using this value. If you change this in the future you may need to run a command to update stored URLs in the database. Command example: <code>php artisan monica:update−url https://old.example.com https://new.example.com</code>

Type: string

Default:

```
"http\${lib.optionalString tlsEnabled \"s\"}://\${cfg.hostname} \
"
```

Example:

```
"https://example.com"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.config

monica configuration options to set in the <filename>.env</filename> file.

Refer to <link xlink:href=“https://github.com/monicahq/monica”/> for details on supported values.

Settings containing secret data should be set to an attribute set containing the attribute <literal>_secret</literal> − a string pointing to a file containing the value the option should be set to. See the example to get a better picture of this: in the resulting <filename>.env</filename> file, the <literal>OIDC_CLIENT_SECRET</literal> key will be set to the contents of the <filename>/run/keys/oidc_secret</filename> file.

Type: attribute set of (null or boolean or signed integer or 16 bit unsigned integer; between 0 and 65535 (both inclusive) or absolute path or string or (submodule))

Default:

```
{ }
```

Example:

```
{
  ALLOWED_IFRAME_HOSTS = "https://example.com";
  WKHTMLTOPDF = "/home/user/bins/wkhtmltopdf";
  AUTH_METHOD = "oidc";
  OIDC_NAME = "MyLogin";
  OIDC_DISPLAY_NAME_CLAIMS = "name";
  OIDC_CLIENT_ID = "monica";
  OIDC_CLIENT_SECRET = {_secret = "/run/keys/oidc_secret"};
```

```
    OIDC_ISSUER = "https://keycloak.example.com/auth/realms/My%20Re \
alm";
    OIDC_ISSUER_DISCOVER = true;
  }
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/monica.nix>

services.monica.dataDir
monica data directory

Type: absolute path

Default:

```
"/var/lib/monica"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/monica.nix>

services.monica.database.createLocally
Create the database and database user locally.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/monica.nix>

services.monica.database.host
Database host address.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/monica.nix>

services.monica.database.name
Database name.

Type: string

Default:

```
"monica"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/monica.nix>

services.monica.database.passwordFile
A file containing the password corresponding to <option>database.user</option>.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/monica-dbpassword"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.database.port
Database host port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3306
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.database.user
Database username.

Type: string

Default:

```
user
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.group
Group monica runs as.

Type: string

Default:

```
"monica"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.hostname
The hostname to serve monica on.

Type: string

Default:

```
config.networking.fqdn
```

Example:

```
"monica.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.mail.driver
Mail driver to use.

Type: one of “smtp”, “sendmail”

Default:

```
"smtp"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.mail.encryption

SMTP encryption mechanism to use.

Type: null or value “tls” (singular enum)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.mail.from

Mail “from” email.

Type: string

Default:

```
"mail@monica.com"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.mail.fromName

Mail “from” name.

Type: string

Default:

```
"monica"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.mail.host

Mail host address.

Type: string

Default:

```
"localhost"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.mail.passwordFile

A file containing the password corresponding to <option>mail.user</option>.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/monica−mailpassword"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.mail.port

Mail host port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
1025
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.mail.user

Mail username.

Type: null or string

Default:

```
null
```

Example:

```
"monica"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.maxUploadSize

The maximum size for uploads (e.g. images).

Type: string

Default:

```
"18M"
```

Example:

```
"1G"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx

With this option, you can customize the nginx virtualHost settings.

Type: submodule

Default:

```
{ }
```

Example:

```
  {
    serverAliases = [
      "monica.''${config.networking.domain}"
    ];
    # To enable encryption and let let's encrypt take care of certi \
ficate
    forceSSL = true;
    enableACME = true;
  }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.enableACME
Whether to ask Let's Encrypt to sign a certificate for this vhost. Alternately, you can use an existing certificate through **useACMEHost**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.acmeFallbackHost
Host which to proxy requests to if ACME challenge is not found. Useful if you want multiple hosts to be able to verify the same domain name.

With this option, you could request certificates for the present domain with an ACME client that is running on another host, which you would specify here.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.acmeRoot
Directory for the ACME challenge, which is **public**. Don't put certs or keys in here. Set to null to inherit from config.security.acme.

Type: null or string

Default:

```
"/var/lib/acme/acme−challenge"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.addSSL
Whether to enable HTTPS in addition to plain HTTP. This will set defaults for 'listen' to listen on all interfaces on the respective default ports (80, 443).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.basicAuth
Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.basicAuthFile
Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.default
Makes this vhost the default.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.extraConfig
These lines go to the end of the vhost verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.forceSSL
Whether to add a separate nginx server block that redirects (defaults to 301, configurable with ‘redirectCode’) all plain HTTP traffic to HTTPS. This will set defaults for ‘listen’ to listen on all interfaces on the respective default ports (80, 443), where the non−SSL listens are used for the redirect vhosts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.globalRedirect
If set, all requests for this host are redirected (defaults to 301, configurable with ‘redirectCode’) to the given hostname.

Type: null or string

Default:

```
null
```

Example:

```
"newserver.example.org"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.http2

Whether to enable the HTTP/2 protocol. Note that (as of writing) due to nginx's implementation, to disable HTTP/2 you have to disable it on all vhosts that use a given IP address / port. If there is one server block configured to enable http2, then it is enabled for all server blocks on this IP. See **https://stackoverflow.com/a/39466948/263061**.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.http3

Whether to enable the HTTP/3 protocol. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that HTTP/3 support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/** HTTP/3 availability must be manually advertised, preferably in each location block.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.http3_hq

Whether to enable the HTTP/0.9 protocol negotiation used in QUIC interoperability tests. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that special application protocol support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.kTLS

Whether to enable kTLS support. Implementing TLS in the kernel (kTLS) improves performance by significantly reducing the need for copying operations between user space and the kernel. Required Nginx version 1.21.4 or later.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.listen
Listen addresses and ports for this virtual host. IPv6 addresses must be enclosed in square brackets. Note: this option overrides ‘addSSL’ and ‘onlySSL’.

If you only want to set the addresses manually and not the ports, take a look at ‘listenAddresses’.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    addr = "195.154.1.1";
    port = 443;
    ssl = true;
  }
  {
    addr = "192.154.1.1";
    port = 80;
  }
  {
    addr = "unix:/var/run/nginx.sock";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.listen.*.addr
Listen address.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.listen.*.extraParameters
Extra parameters of this listen directive.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "backlog=1024"
  "deferred"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.listen.*.port

Port number to listen on. If unset and the listen address is not a socket then nginx defaults to 80.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.listen.*.proxyProtocol

Enable PROXY protocol.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.listen.*.ssl

Enable SSL.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.listenAddresses

Listen addresses for this virtual host. Compared to ‘listen’ this only sets the addresses and the ports are chosen automatically.

Note: This option overrides ‘networking.enableIPv6’

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "127.0.0.1"
  "[::1]"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.locations

Declarative location config

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
```

```
  "/" = {
    proxyPass = "http://localhost:3000";
  };
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.locations.<name>.alias
Alias directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/alias/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.locations.<name>.basicAuth
Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.locations.<name>.basicAuthFile
Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.locations.<name>.extraConfig
These lines go to the end of the location verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.locations.<name>.fastcgiParams
FastCGI parameters to override. Unlike in the Nginx configuration file, overriding only some default parameters won't unset the default values for other parameters.

Type: attribute set of (string or absolute path)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.locations.<name>.index
Adds index directive.

Type: null or string

Default:

```
null
```

Example:

```
"index.php index.html"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.locations.<name>.priority
Order of this location block in relation to the others in the vhost. The semantics are the same as with 'lib.mkOrder'. Smaller values have a greater priority.

Type: signed integer

Default:

```
1000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.locations.<name>.proxyPass
Adds proxy_pass directive and sets recommended proxy headers if recommendedProxySettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"http://www.example.org/"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.locations.<name>.proxyWebsockets
Whether to support proxying websocket connections with HTTP/1.1.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/monica.nix>

services.monica.nginx.locations.<name>.recommendedProxySettings
Enable recommended proxy settings.

Type: boolean

Default:

```
config.services.nginx.recommendedProxySettings
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/monica.nix>

services.monica.nginx.locations.<name>.recommendedUwsgiSettings
Enable recommended uwsgi settings.

Type: boolean

Default:

```
config.services.nginx.recommendedUwsgiSettings
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/monica.nix>

services.monica.nginx.locations.<name>.return
Adds a return directive, for e.g. redirections.

Type: null or string or signed integer

Default:

```
null
```

Example:

```
"301 http://example.com$request_uri"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/monica.nix>

services.monica.nginx.locations.<name>.root
Root directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/root/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/monica.nix>

services.monica.nginx.locations.<name>.tryFiles
Adds try_files directive.

Type: null or string

Default:

```
null
```

Example:

```
"$uri =404"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.locations.<name>.uwsgiPass

Adds uwsgi_pass directive and sets recommended proxy headers if recommendedUwsgiSettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"unix:/run/example/example.sock"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.onlySSL

Whether to enable HTTPS and reject plain HTTP connections. This will set defaults for 'listen' to listen on all interfaces on port 443.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.quic

Whether to enable the QUIC transport protocol. Note that QUIC support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.redirectCode

HTTP status used by 'globalRedirect' and 'forceSSL'. Possible usecases include temporary (302, 307) redirects, keeping the request method and body (307, 308), or explicitly resetting the method to GET (303). See **https://developer.mozilla.org/en−US/docs/Web/HTTP/Redirections**.

Type: integer between 300 and 399 (both inclusive)

Default:

```
301
```

Example:

```
308
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.rejectSSL

Whether to listen for and reject all HTTPS connections to this vhost. Useful in **default** server blocks to avoid serving the certificate for another vhost. Uses the 'ssl_reject_handshake' directive available in nginx versions 1.19.4 and above.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.reuseport

Create an individual listening socket . It is required to specify only once on one of the hosts.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.root

The path of the web root directory.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/data/webserver/docs"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.serverAliases

Additional names of virtual hosts served by this virtual host configuration.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
  "example.org"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.serverName

Name of this virtual host. Defaults to attribute name in virtualHosts.

Type: null or string

Default:

```
null
```

Example:

```
"example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.sslCertificate
Path to server SSL certificate.

Type: absolute path

Example:

```
"/var/host.cert"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.sslCertificateKey
Path to server SSL certificate key.

Type: absolute path

Example:

```
"/var/host.key"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.sslTrustedCertificate
Path to root SSL certificate for stapling and client certificates.

Type: null or absolute path

Default:

```
null
```

Example:

```
"${pkgs.cacert}/etc/ssl/certs/ca−bundle.crt"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.nginx.useACMEHost
A host of an existing Let's Encrypt certificate to use. This is useful if you have many subdomains and want to avoid hitting the **rate limit**. Alternately, you can generate a certificate through **enableACME**. *Note that this option does not create any certificates, nor it does add subdomains to existing ones – you will need to create them manually using* **security.acme.certs**[2].

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/monica.nix>

2. see the **security.acme.certs** option

services.monica.phpPackage
The php83 package to use.

Type: package

Default:

```
pkgs.php83
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.poolConfig
Options for the monica PHP pool. See the documentation on <literal>php−fpm.conf</literal> for details on configuration directives.

Type: attribute set of (string or signed integer or boolean)

Default:

```
{
  pm = "dynamic";
  "pm.max_children" = 32;
  "pm.max_requests" = 500;
  "pm.max_spare_servers" = 4;
  "pm.min_spare_servers" = 2;
  "pm.start_servers" = 2;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monica.user
User monica runs as.

Type: string

Default:

```
"monica"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/monica.nix>

services.monit.enable
Whether to enable Monit.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/monit.nix>

services.monit.config
monitrc content

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/monit.nix>

services.moodle.enable
Whether to enable Moodle web application.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/moodle.nix>

services.moodle.package
The moodle package to use.

Type: package

Default:

```
pkgs.moodle
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/moodle.nix>

services.moodle.database.createLocally
Create the database and database user locally.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/moodle.nix>

services.moodle.database.host
Database host address.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/moodle.nix>

services.moodle.database.name
Database name.

Type: string

Default:

```
"moodle"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/moodle.nix>

services.moodle.database.passwordFile

A file containing the password corresponding to **database.user**.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/moodle-dbpassword"
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/moodle.nix>

services.moodle.database.port

Database host port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3306
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/moodle.nix>

services.moodle.database.socket

Path to the unix socket file to use for authentication.

Type: null or absolute path

Default:

```
/run/mysqld/mysqld.sock
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/moodle.nix>

services.moodle.database.type

Database engine to use.

Type: one of “mysql”, “pgsql”

Default:

```
"mysql"
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/moodle.nix>

services.moodle.database.user

Database user.

Type: string

Default:

```
"moodle"
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/moodle.nix>

services.moodle.extraConfig

Any additional text to be appended to the config.php configuration file. This is a PHP script. For configuration details, see **https://docs.moodle.org/37/en/Configuration_file**.

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
$CFG->disableupdatenotifications = true;
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/moodle.nix>

services.moodle.initialPassword

Specifies the initial password for the admin, i.e. the password assigned if the user does not already exist. The password specified here is world-readable in the Nix store, so it should be changed promptly.

Type: string

Example:

```
"correcthorsebatterystaple"
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/moodle.nix>

services.moodle.poolConfig

Options for the Moodle PHP pool. See the documentation on 'php-fpm.conf' for details on configuration directives.

Type: attribute set of (string or signed integer or boolean)

Default:

```
{
  pm = "dynamic";
  "pm.max_children" = 32;
  "pm.max_requests" = 500;
  "pm.max_spare_servers" = 4;
  "pm.min_spare_servers" = 2;
  "pm.start_servers" = 2;
}
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/moodle.nix>

services.moodle.virtualHost

Apache configuration can be done by adapting **services.httpd.virtualHosts**. See **services.httpd.virtualHosts** for further information.

Type: submodule

Example:

```
{
  hostName = "moodle.example.org";
  adminAddr = "webmaster@example.org";
  forceSSL = true;
  enableACME = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/moodle.nix>

services.moodle.virtualHost.enableACME
Whether to ask Let’s Encrypt to sign a certificate for this vhost. Alternately, you can use an existing certificate through **useACMEHost**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/moodle.nix>

services.moodle.virtualHost.enableUserDir
Whether to enable serving *~/public_html* as ‘/~«username»’.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/moodle.nix>

services.moodle.virtualHost.acmeRoot
Directory for the acme challenge which is PUBLIC, don’t put certs or keys in here. Set to null to inherit from config.security.acme.

Type: null or string

Default:

```
"/var/lib/acme/acme−challenge"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/moodle.nix>

services.moodle.virtualHost.addSSL
Whether to enable HTTPS in addition to plain HTTP. This will set defaults for ‘listen’ to listen on all interfaces on the respective default ports (80, 443).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/moodle.nix>

services.moodle.virtualHost.adminAddr
E−mail address of the server administrator.

Type: null or string

Default:

```
null
```

Example:

```
"admin@example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/moodle.nix>

services.moodle.virtualHost.documentRoot
The path of Apache’s document root directory. If left undefined, an empty directory in the Nix store will be used as root.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/data/webserver/docs"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/moodle.nix>

services.moodle.virtualHost.extraConfig
These lines go to httpd.conf verbatim. They will go after directories and directory aliases defined by default.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
<Directory /home>
  Options FollowSymlinks
  AllowOverride All
</Directory>
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/moodle.nix>

services.moodle.virtualHost.forceSSL
Whether to add a separate nginx server block that permanently redirects (301) all plain HTTP traffic to HTTPS. This will set defaults for ‘listen’ to listen on all interfaces on the respective default ports (80, 443), where the non−SSL listens are used for the redirect vhosts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/moodle.nix>

services.moodle.virtualHost.globalRedirect
If set, all requests for this host are redirected permanently to the given URL.

Type: null or string

Default:

```
null
```

Example:

```
"http://newserver.example.org/"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/moodle.nix>

services.moodle.virtualHost.hostName
Canonical hostname for the server.

Type: string

Default:

```
"‹name›"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/moodle.nix>

services.moodle.virtualHost.http2
Whether to enable HTTP 2. HTTP/2 is supported in all multi−processing modules that come with httpd. *However, if you use the prefork mpm, there will be severe restrictions.* Refer to **https://httpd.apache.org/docs/2.4/howto/http2.html#mpm−config** for details.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/moodle.nix>

services.moodle.virtualHost.listen
Listen addresses and ports for this virtual host.

Note
This option overrides ‘addSSL’, ‘forceSSL’ and ‘onlySSL’.

If you only want to set the addresses manually and not the ports, take a look at ‘listenAddresses’.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    ip = "195.154.1.1";
    port = 443;
    ssl = true;
  }
  {
    ip = "192.154.1.1";
    port = 80;
  }
  {
    ip = "*";
    port = 8080;
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/moodle.nix>

services.moodle.virtualHost.listen.*.ip
IP to listen on. 0.0.0.0 for IPv4 only, * for all.

Type: string

Default:

```
"*"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/moodle.nix>

services.moodle.virtualHost.listen.*.port
Port to listen on

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Declared by:
<nixpkgs/nixos/modules/services/web−apps/moodle.nix>

services.moodle.virtualHost.listen.*.ssl
Whether to enable SSL (https) support.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/moodle.nix>

services.moodle.virtualHost.listenAddresses
Listen addresses for this virtual host. Compared to ‘listen’ this only sets the addresses and the ports are chosen automatically.

Type: non−empty (list of string)

Default:

```
[
  "*"
]
```

Example:

```
[
  "127.0.0.1"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/moodle.nix>

services.moodle.virtualHost.locations
Declarative location config. See **https://httpd.apache.org/docs/2.4/mod/core.html#location** for details.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "/" = {
```

```
      proxyPass = "http://localhost:3000";
    };
    "/foo/bar.png" = {
      alias = "/home/eelco/some-file.png";
    };
  };
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/moodle.nix>

services.moodle.virtualHost.locations.<name>.alias
Alias directory for requests. See **https://httpd.apache.org/docs/2.4/mod/mod_alias.html#alias**.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/alias/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/moodle.nix>

services.moodle.virtualHost.locations.<name>.extraConfig
These lines go to the end of the location verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/moodle.nix>

services.moodle.virtualHost.locations.<name>.index
Adds DirectoryIndex directive. See **https://httpd.apache.org/docs/2.4/mod/mod_dir.html#directoryindex**.

Type: null or string

Default:

```
null
```

Example:

```
"index.php index.html"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/moodle.nix>

services.moodle.virtualHost.locations.<name>.priority
Order of this location block in relation to the others in the vhost. The semantics are the same as with ‘lib.mkOrder’. Smaller values have a greater priority.

Type: signed integer

Default:

```
1000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/moodle.nix>

services.moodle.virtualHost.locations.<name>.proxyPass
Sets up a simple reverse proxy as described by **https://httpd.apache.org/docs/2.4/howto/reverse_proxy.html#simple**.

Type: null or string

Default:

```
null
```

Example:

```
"http://www.example.org/"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/moodle.nix>

services.moodle.virtualHost.logFormat
Log format for Apache's log files. Possible values are: combined, common, referer, agent.

Type: string

Default:

```
"common"
```

Example:

```
"combined"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/moodle.nix>

services.moodle.virtualHost.onlySSL
Whether to enable HTTPS and reject plain HTTP connections. This will set defaults for 'listen' to listen on all interfaces on port 443.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/moodle.nix>

services.moodle.virtualHost.robotsEntries
Specification of pages to be ignored by web crawlers. See **http://www.robotstxt.org/** for details.

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
"Disallow: /foo/"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/moodle.nix>

services.moodle.virtualHost.servedDirs

This option provides a simple way to serve static directories.

Type: list of (attribute set)

Default:

```
[ ]
```

Example:

```
[
  {
    dir = "/home/eelco/Dev/nix-homepage";
    urlPath = "/nix";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/moodle.nix>

services.moodle.virtualHost.servedFiles

This option provides a simple way to serve individual, static files.

Note

This option has been deprecated and will be removed in a future version of NixOS. You can achieve the same result by making use of the ‘locations.<name>.alias’ option.

Type: list of (attribute set)

Default:

```
[ ]
```

Example:

```
[
  {
    file = "/home/eelco/some-file.png";
    urlPath = "/foo/bar.png";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/moodle.nix>

services.moodle.virtualHost.serverAliases

Additional names of virtual hosts served by this virtual host configuration.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
  "www.example.org:8080"
  "example.org"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/moodle.nix>

services.moodle.virtualHost.sslServerCert
Path to server SSL certificate.

Type: absolute path

Example:

```
"/var/host.cert"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/moodle.nix>

services.moodle.virtualHost.sslServerChain
Path to server SSL chain file.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/ca.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/moodle.nix>

services.moodle.virtualHost.sslServerKey
Path to server SSL certificate key.

Type: absolute path

Example:

```
"/var/host.key"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/moodle.nix>

services.moodle.virtualHost.useACMEHost
A host of an existing Let's Encrypt certificate to use. This is useful if you have many subdomains and want to avoid hitting the **rate limit**. Alternately, you can generate a certificate through **enableACME**. *Note that this option does not create any certificates, nor it does add subdomains to existing ones – you will need to create them manually using* **security.acme.certs**[2].

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/moodle.nix>

2. see the **security.acme.certs** option

services.moonraker.enable
Whether to enable Moonraker, an API web server for Klipper.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/moonraker.nix>

services.moonraker.package
The moonraker package to use.

Type: null or package

Default:

```
pkgs.moonraker
```

Example:

```
moonraker.override { useGpiod = true; }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/moonraker.nix>

services.moonraker.address
The IP or host to listen on.

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/moonraker.nix>

services.moonraker.allowSystemControl
Whether to allow Moonraker to perform system−level operations.

Moonraker exposes APIs to perform system−level operations, such as reboot, shutdown, and management of systemd units. See the **documentation** for details on what clients are able to do.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/moonraker.nix>

services.moonraker.analysis.enable
Whether to enable Runtime analysis with klipper−estimator.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/moonraker.nix>

services.moonraker.configDir

Deprecated directory containing client−writable configuration files.

Clients will be able to edit files in this directory via the API. This directory must be writable.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/misc/moonraker.nix>

services.moonraker.group

Group account under which Moonraker runs.

Type: string

Default:

```
"moonraker"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/moonraker.nix>

services.moonraker.klipperSocket

Path to Klipper's API socket.

Type: absolute path

Default:

```
config.services.klipper.apiSocket
```

Declared by:

<nixpkgs/nixos/modules/services/misc/moonraker.nix>

services.moonraker.port

The port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
7125
```

Declared by:

<nixpkgs/nixos/modules/services/misc/moonraker.nix>

services.moonraker.settings

Configuration for Moonraker. See the **documentation** for supported values.

Type: attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string) or a non−empty list of them)

Default:

```
{ }
```

Example:

```
{
  authorization = {
    cors_domains = [
      "https://app.fluidd.xyz"
      "https://my.mainsail.xyz"
    ];
    trusted_clients = [
```

```
        "10.0.0.0/24"
      ];
    };
  }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/moonraker.nix>

services.moonraker.stateDir
The directory containing the Moonraker databases.

Type: absolute path

Default:

```
"/var/lib/moonraker"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/moonraker.nix>

services.moonraker.user
User account under which Moonraker runs.

Type: string

Default:

```
"moonraker"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/moonraker.nix>

services.moosefs.cgiserver.enable
Whether to enable MooseFS GUI server (mfsgui) for web interface. Warning: The GUI server interface should be properly secured from unauthorized access, as it provides full control over your MooseFS installation. .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/moosefs.nix>

services.moosefs.cgiserver.openFirewall
Whether to automatically open the web interface port.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/moosefs.nix>

services.moosefs.cgiserver.settings
GUI server configuration options.

Type: open submodule of attribute set of (Flat key−value file)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/moosefs.nix>

services.moosefs.cgiserver.settings.DATA_PATH
Directory for lock files.

Type: string

Default:

```
"/var/lib/mfs"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/moosefs.nix>

services.moosefs.cgiserver.settings.GUISERV_LISTEN_HOST
IP address to bind GUI server to (* means any).

Type: string

Default:

```
"*"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/moosefs.nix>

services.moosefs.cgiserver.settings.GUISERV_LISTEN_PORT
Port for GUI server to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9425
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/moosefs.nix>

services.moosefs.chunkserver.enable
Whether to enable MooseFS chunkserver daemon that stores file data.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/moosefs.nix>

services.moosefs.chunkserver.hdds
Mount points used by chunkserver for data storage (see mfshdd.cfg).

Type: list of string

Default:

```
null
```

Example:

```
[
  "/mnt/hdd1"
  "/mnt/hdd2"
]
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/moosefs.nix>

services.moosefs.chunkserver.openFirewall
Whether to automatically open required firewall ports for chunkserver service.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/moosefs.nix>

services.moosefs.chunkserver.settings
Chunkserver configuration options (mfschunkserver.cfg).

Type: open submodule of attribute set of (Flat key−value file)

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/moosefs.nix>

services.moosefs.chunkserver.settings.DATA_PATH
Directory for lock files and other runtime data.

Type: string

Default:

```
"/var/lib/mfs"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/moosefs.nix>

services.moosefs.client.enable
Whether to enable MooseFS client.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/moosefs.nix>

services.moosefs.master.enable

Enable MooseFS master daemon. The master server coordinates all MooseFS operations and stores metadata.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/moosefs.nix>

services.moosefs.master.autoInit

Whether to automatically initialize the master's metadata directory on first run. Use with caution.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/moosefs.nix>

services.moosefs.master.exports

Export definitions for MooseFS (see mfsexports.cfg).

Type: list of string

Default:

```
null
```

Example:

```
[
  "* / rw,alldirs,admin,maproot=0:0"
  "* . rw"
]
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/moosefs.nix>

services.moosefs.master.openFirewall

Whether to automatically open required firewall ports for master service.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/moosefs.nix>

services.moosefs.master.settings

Master configuration options (mfsmaster.cfg).

Type: open submodule of attribute set of (Flat key−value file)

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/moosefs.nix>

services.moosefs.master.settings.DATA_PATH
Directory for storing master metadata.

Type: string

Default:

```
"/var/lib/mfs"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/moosefs.nix>

services.moosefs.masterHost
IP or DNS name of the MooseFS master server.

Type: string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/moosefs.nix>

services.moosefs.metalogger.enable
Whether to enable MooseFS metalogger daemon that maintains a backup copy of the master's metadata.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/moosefs.nix>

services.moosefs.metalogger.settings
Metalogger configuration options (mfsmetalogger.cfg).

Type: open submodule of attribute set of (Flat key−value file)

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/moosefs.nix>

services.moosefs.metalogger.settings.DATA_PATH
Directory for storing metalogger data.

Type: string

Default:

```
"/var/lib/mfs"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/moosefs.nix>

services.moosefs.runAsUser
Run daemons as moosefs user instead of root for better security.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/moosefs.nix>

services.mopidy.enable
Whether to enable Mopidy, a music player daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/audio/mopidy.nix>

services.mopidy.dataDir
The directory where Mopidy stores its state.

Type: string

Default:

```
"/var/lib/mopidy"
```

Declared by:
<nixpkgs/nixos/modules/services/audio/mopidy.nix>

services.mopidy.extensionPackages
Mopidy extensions that should be loaded by the service.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.mopidy−spotify ]
```

Declared by:
<nixpkgs/nixos/modules/services/audio/mopidy.nix>

services.mopidy.extraConfigFiles
Extra config file read by Mopidy when the service starts. Later files in the list overrides earlier configuration.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/audio/mopidy.nix>

services.mopidy.settings
The configuration that Mopidy should use. See the upstream documentation **https://docs.mopidy.com/stable/config/** for details.

Type: attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Example:

```
{
  mpd = {
    enabled = true;
    hostname = "::";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/audio/mopidy.nix>

services.mosquitto.enable
Whether to enable the MQTT Mosquitto broker.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mosquitto.nix>

services.mosquitto.package
The mosquitto package to use.

Type: package

Default:

```
pkgs.mosquitto
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mosquitto.nix>

services.mosquitto.bridges
Bridges to build to other MQTT brokers.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mosquitto.nix>

services.mosquitto.bridges.<name>.addresses
Remote endpoints for the bridge.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mosquitto.nix>

services.mosquitto.bridges.<name>.addresses.*.address
Address of the remote MQTT broker.

Type: single−line string

Declared by:
<nixpkgs/nixos/modules/services/networking/mosquitto.nix>

services.mosquitto.bridges.<name>.addresses.*.port
Port of the remote MQTT broker.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
1883
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mosquitto.nix>

services.mosquitto.bridges.<name>.settings
Additional settings for this bridge.

Type: open submodule of attribute set of (string, path, bool, or integer)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mosquitto.nix>

services.mosquitto.bridges.<name>.topics
Topic patterns to be shared between the two brokers. Refer to the **mosquitto.conf documentation** for details on the format.

Type: list of single−line string

Default:

```
[ ]
```

Example:

```
[
  "# both 2 local/topic/ remote/topic/"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mosquitto.nix>

services.mosquitto.dataDir
The data directory.

Type: absolute path

Default:

```
"/var/lib/mosquitto"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mosquitto.nix>

services.mosquitto.includeDirs

Directories to be scanned for further config files to include. Directories will processed in the order given, '*.conf' files in the directory will be read in case−sensitive alphabetical order.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/mosquitto.nix>

services.mosquitto.listeners

Listeners to configure on this broker.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/mosquitto.nix>

services.mosquitto.listeners.*.acl

Additional ACL items to prepend to the generated ACL file.

Type: list of single−line string

Default:

```
[ ]
```

Example:

```
[
  "pattern read #"
  "topic readwrite anon/report/#"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/mosquitto.nix>

services.mosquitto.listeners.*.address

Address to listen on. Listen on '0.0.0.0'/'::' when unset.

Type: null or single−line string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/mosquitto.nix>

services.mosquitto.listeners.*.authPlugins

Authentication plugin to attach to this listener. Refer to the **mosquitto.conf documentation** for details on authentication plugins.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mosquitto.nix>

services.mosquitto.listeners.*.authPlugins.*.denySpecialChars
Automatically disallow all clients using '#' or '+' in their name/id.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mosquitto.nix>

services.mosquitto.listeners.*.authPlugins.*.options
Options for the plugin. Each key turns into a 'plugin_opt_*' line in the config.

Type: attribute set of (string, path, bool, or integer)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mosquitto.nix>

services.mosquitto.listeners.*.authPlugins.*.plugin
Plugin path to load, should be a '.so' file.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/networking/mosquitto.nix>

services.mosquitto.listeners.*.omitPasswordAuth
Omits password checking, allowing anyone to log in with any user name unless other mandatory authentication methods (eg TLS client certificates) are configured.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mosquitto.nix>

services.mosquitto.listeners.*.port
Port to listen on. Must be set to 0 to listen on a unix domain socket.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
1883
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mosquitto.nix>

services.mosquitto.listeners.*.settings
Additional settings for this listener.

Type: open submodule of attribute set of (string, path, bool, or integer)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mosquitto.nix>

services.mosquitto.listeners.*.users
A set of users and their passwords and ACLs.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  john = {
    acl = [
      "readwrite john/#"
    ];
    password = "123456";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mosquitto.nix>

services.mosquitto.listeners.*.users.<name>.acl
Control client access to topics on the broker.

Type: list of single−line string

Default:

```
[ ]
```

Example:

```
[
  "read A/B"
  "readwrite A/#"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mosquitto.nix>

services.mosquitto.listeners.*.users.<name>.hashedPassword
Specifies the hashed password for the MQTT User. To generate hashed password install the ‘mosquitto’ package and use ‘mosquitto_passwd’, then extract the second field (after the ‘:’) from the generated file.

Type: null or single−line string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mosquitto.nix>

services.mosquitto.listeners.*.users.<name>.hashedPasswordFile
Specifies the path to a file containing the hashed password for the MQTT user. To generate hashed password install the ‘mosquitto’ package and use ‘mosquitto_passwd’, then remove the ‘username:’ prefix from the generated file. The file is securely passed to mosquitto by leveraging systemd credentials. No special permissions need to be set on this file.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/path/to/file"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mosquitto.nix>

services.mosquitto.listeners.*.users.<name>.password
Specifies the (clear text) password for the MQTT User.

Type: null or single−line string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mosquitto.nix>

services.mosquitto.listeners.*.users.<name>.passwordFile
Specifies the path to a file containing the clear text password for the MQTT user. The file is securely passed to mosquitto by leveraging systemd credentials. No special permissions need to be set on this file.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/path/to/file"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mosquitto.nix>

services.mosquitto.logDest
Destinations to send log messages to.

Type: list of (absolute path or one of “stdout”, “stderr”, “syslog”, “topic”, “dlt”)

Default:

```
[
  "stderr"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mosquitto.nix>

services.mosquitto.logType
Types of messages to log.

Type: list of (one of “debug”, “error”, “warning”, “notice”, “information”, “subscribe”, “unsubscribe”, “websockets”, “none”, “all”)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mosquitto.nix>

services.mosquitto.persistence

Enable persistent storage of subscriptions and messages.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/mosquitto.nix>

services.mosquitto.settings

Global configuration options for the mosquitto broker.

Type: open submodule of attribute set of (string, path, bool, or integer)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/mosquitto.nix>

services.motioneye.enable

Whether to enable motionEye.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/video/motioneye.nix>

services.motioneye.packages.ffmpeg

The ffmpeg package to use.

Type: package

Default:

```
pkgs.ffmpeg
```

Declared by:

<nixpkgs/nixos/modules/services/video/motioneye.nix>

services.motioneye.packages.motion

The motion package to use.

Type: package

Default:

```
pkgs.motion
```

Declared by:

<nixpkgs/nixos/modules/services/video/motioneye.nix>

services.motioneye.packages.motioneye
The motioneye package to use.

Type: package

Default:

```
pkgs.motioneye
```

Declared by:
<nixpkgs/nixos/modules/services/video/motioneye.nix>

services.motioneye.group
Group to run motionEye under.

Type: string

Default:

```
"motioneye"
```

Declared by:
<nixpkgs/nixos/modules/services/video/motioneye.nix>

services.motioneye.settings
Configuration to put in motioneye.conf. See **https://github.com/motioneye-project/motioneye/wiki/Configuration-File** for more details.

Type: attribute set of string

Default:

```
{
  conf_path = lib.mkDefault "/var/lib/motioneye/conf";
  run_path = lib.mkDefault "/run/motioneye";
  log_path = lib.mkDefault "/var/log/motioneye";
  media_path = lib.mkDefault "/var/lib/motioneye/media";
}
```

Declared by:
<nixpkgs/nixos/modules/services/video/motioneye.nix>

services.motioneye.user
User to run motionEye under.

Type: string

Default:

```
"motioneye"
```

Declared by:
<nixpkgs/nixos/modules/services/video/motioneye.nix>

services.movim.enable
Whether to enable a Movim instance.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.package
The movim package to use.

Type: package

Default:

```
pkgs.movim
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.dataDir
State directory of the ‘movim’ user which holds the application’s state & data.

Type: absolute path

Default:

```
"/var/lib/movim"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.database.createLocally
local database using UNIX socket authentication

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.database.name
Database name.

Type: non−empty string

Default:

```
"movim"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.database.type
Database engine to use.

Type: one of “mariadb”, “postgresql”

Default:

```
"postgresql"
```

Example:

```
"mariadb"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.database.user

Database username.

Type: non−empty string

Default:

```
"movim"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.debug

Debugging logs.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.domain

Fully−qualified domain name (FQDN) for the Movim instance.

Type: non−empty string

Declared by:

<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.group

Group running Movim service

Type: non−empty string

Default:

```
"movim"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.h2o

With this option, you can customize an H2O virtual host which already has sensible defaults for Movim. Set to '{ }' if you do not need any customization to the virtual host. If enabled, then by default, the **serverName** is '${domain}', If this is set to 'null' (the default), no H2O 'hosts' will be configured.

Type: null or (submodule)

Default:

```
null
```

Example:

```
{
  serverAliases = [
    "pics.${config.movim.domain}"
  ];
  acme.enable = true;
  tls.policy = "force";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.h2o.acme
ACME options for virtual host.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.h2o.acme.enable
Whether to ask Let's Encrypt to sign a certificate for this virtual host. Alternatively, an existing host can be used thru **acme.useHost**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.h2o.acme.root
Directory for the ACME challenge, which is **public**. Don't put certs or keys in here. Set to 'null' to inherit from config.security.acme.

Type: null or absolute path

Default:

```
"/var/lib/acme/acme−challenge"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.h2o.acme.useHost
An existing Let's Encrypt certificate to use for this virtual host. This is useful if you have many subdomains and want to avoid hitting the **rate limit**. Alternately, you can generate a certificate through **acme.enable**. Note that this option neither creates any certificates nor does it add subdomains to existing ones — you will need to create them manually using **security.acme.certs**.

Type: null or non−empty string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.h2o.host
Set the host address for this virtual host. If unset, the default is to listen on all network interfaces.

Type: null or non−empty string

Default:

```
null
```

Example:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.h2o.http
HTTP options for virtual host

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.h2o.http.port
Override the default HTTP port for this virtual host.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
config.services.h2o.defaultHTTPListenPort
```

Example:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.h2o.serverAliases
Additional names of virtual hosts served by this virtual host configuration.

Type: list of non−empty string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
  "example.org"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.h2o.serverName
Server name to be used for this virtual host. Defaults to attribute name in hosts.

Type: null or non−empty string

Default:

```
null
```

Example:

```
"example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.h2o.settings

Attrset to be transformed into YAML for host config. Note that the HTTP / TLS configurations will override these config values. See **https://h2o.examp1e.net/configure/base_directives.html#hosts**.

Type: attribute set

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.h2o.tls

TLS options for virtual host

Type: null or (submodule)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.h2o.tls.extraSettings

Additional TLS/SSL−related configuration options. See **https://h2o.examp1e.net/configure/base_directives.html#listen−ssl**.

Type: attribute set

Default:

```
{ }
```

Example:

```
{
  minimum−version = "TLSv1.3";
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.h2o.tls.identity

Key / certificate pairs for the virtual host.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    key−file = "/path/to/rsa.key";
    certificate−file = "/path/to/rsa.crt";
  }
  {
    key−file = "/path/to/ecdsa.key";
    certificate−file = "/path/to/ecdsa.crt";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.h2o.tls.identity.*.certificate−file
Path to certificate file. See **https://h2o.examp1e.net/configure/base_directives.html#certificate−file**.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.h2o.tls.identity.*.key−file
Path to key file. See **https://h2o.examp1e.net/configure/base_directives.html#key−file**.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.h2o.tls.policy
'add' will additionally listen for TLS connections. 'only' will disable TLS connections. 'force' will redirect non−TLS traffic to the TLS connection.

Type: one of "add", "only", "force"

Example:

```
"force"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.h2o.tls.port
Override the default TLS port for this virtual host.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
config.services.h2o.defaultTLSListenPort
```

Example:

```
8443
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.h2o.tls.quic
Enables HTTP/3 over QUIC on the UDP port for TLS. The attrset provides fine−turning for QUIC behavior, but can be empty. See **https://h2o.examp1e.net/configure/http3_directives.html#quic−attributes**.

Type: null or (attribute set)

Default:

```
null
```

Example:

```
{
  amp−limit = 2;
  handshake−timeout−rtt−multiplier = 300;
  retry = "ON";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.h2o.tls.recommendations
By default, H2O, without prejudice, will use as many TLS versions & cipher suites as it & the TLS library (OpenSSL) can support. The user is expected to hone settings for the security of their server. Setting some constraints is recommended, & if unsure about what TLS settings to use, this option gives curated TLS settings recommendations from Mozilla's 'SSL Configuration Generator' project (see **https://ssl−config.mozilla.org**) or read more at Mozilla's Wiki (see **https://wiki.mozilla.org/Security/Server_Side_TLS**).

modern
Services with clients that support TLS 1.3 & don't need backward compatibility

intermediate
General−purpose servers with a variety of clients, recommended for almost all systems

old
Compatible with a number of very old clients, & should be used only as a last resort

The default for all virtual hosts can be set with services.h2o.defaultTLSRecommendations, but this value can be overridden on a per−host basis using services.h2o.hosts.<name>.tls.recommmendations. The settings will also be overidden by manual values set with services.settings.h2o.hosts.<name>.tls.extraSettings.

NOTE: older/weaker ciphers might require overriding the OpenSSL version of H2O (such as 'openssl_legacy'). This can be done with sevices.settings.h2o.package.

Type: null or one of "modern", "intermediate", "old"

Default:

```
null
```

Example:

```
"intermediate"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.h2o.tls.redirectCode
HTTP status used by 'globalRedirect' & 'forceSSL'. Possible usecases include temporary (302, 307) redirects, keeping the request method & body (307, 308), or explicitly resetting the method to GET (303). See **https://developer.mozilla.org/en−US/docs/Web/HTTP/Redirections**.

Type: integer between 300 and 399 (both inclusive)

Default:

```
301
```

Example:

```
308
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.logDir
Log directory of the 'movim' user which holds the application's logs.

Type: absolute path

Default:

```
"/var/log/movim"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.minifyStaticFiles
Do minification on public static files which reduces the size of assets—saving data for the server & users as well as offering a performance improvement. This adds typing for the 'minifyStaticFiles' attribute for the Movim package which *will* override any existing override value. The default 'true' will enable minification for all supported asset types with sane defaults.

Type: boolean or (submodule)

Default:
```
true
```

Example:
```
{
  script.enable = false;
  style = {
    enable = true;
    target = "> 0.5%, last 2 versions, Firefox ESR, not dead";
  };
  svg.enable = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx
With this option, you can customize an Nginx virtual host which already has sensible defaults for Movim. Set to '{ }' if you do not need any customization to the virtual host. If enabled, then by default, the **serverName** is '${domain}', If this is set to 'null' (the default), no Nginx 'virtualHost' will be configured.

Type: null or (submodule)

Default:
```
null
```

Example:
```
{
  serverAliases = [
    "pics.${config.movim.domain}"
  ];
  enableACME = true;
  forceHttps = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.enableACME
Whether to ask Let's Encrypt to sign a certificate for this vhost. Alternately, you can use an existing certificate through **useACMEHost**.

Type: boolean

Default:
```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.acmeFallbackHost
Host which to proxy requests to if ACME challenge is not found. Useful if you want multiple hosts to be able to verify the same domain name.

With this option, you could request certificates for the present domain with an ACME client that is running on another host, which you would specify here.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.acmeRoot
Directory for the ACME challenge, which is **public**. Don’t put certs or keys in here. Set to null to inherit from config.security.acme.

Type: null or string

Default:

```
"/var/lib/acme/acme−challenge"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.addSSL
Whether to enable HTTPS in addition to plain HTTP. This will set defaults for ‘listen’ to listen on all interfaces on the respective default ports (80, 443).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.basicAuth
Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.basicAuthFile

Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.default

Makes this vhost the default.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.extraConfig

These lines go to the end of the vhost verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.forceSSL

Whether to add a separate nginx server block that redirects (defaults to 301, configurable with ‘redirectCode’) all plain HTTP traffic to HTTPS. This will set defaults for ‘listen’ to listen on all interfaces on the respective default ports (80, 443), where the non−SSL listens are used for the redirect vhosts.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.globalRedirect

If set, all requests for this host are redirected (defaults to 301, configurable with ‘redirectCode’) to the given hostname.

Type: null or string

Default:

```
null
```

Example:

```
"newserver.example.org"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.http2

Whether to enable the HTTP/2 protocol. Note that (as of writing) due to nginx's implementation, to disable HTTP/2 you have to disable it on all vhosts that use a given IP address / port. If there is one server block configured to enable http2, then it is enabled for all server blocks on this IP. See **https://stackoverflow.com/a/39466948/263061**.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.http3

Whether to enable the HTTP/3 protocol. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that HTTP/3 support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/** HTTP/3 availability must be manually advertised, preferably in each location block.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.http3_hq

Whether to enable the HTTP/0.9 protocol negotiation used in QUIC interoperability tests. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that special application protocol support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.kTLS

Whether to enable kTLS support. Implementing TLS in the kernel (kTLS) improves performance by significantly reducing the need for copying operations between user space and the kernel. Required Nginx version 1.21.4 or later.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.listen

Listen addresses and ports for this virtual host. IPv6 addresses must be enclosed in square brackets. Note: this option overrides 'addSSL' and 'onlySSL'.

If you only want to set the addresses manually and not the ports, take a look at 'listenAddresses'.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    addr = "195.154.1.1";
    port = 443;
    ssl = true;
  }
  {
    addr = "192.154.1.1";
    port = 80;
  }
  {
    addr = "unix:/var/run/nginx.sock";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.listen.*.addr
Listen address.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.listen.*.extraParameters
Extra parameters of this listen directive.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "backlog=1024"
  "deferred"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.listen.*.port
Port number to listen on. If unset and the listen address is not a socket then nginx defaults to 80.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.listen.*.proxyProtocol

Enable PROXY protocol.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.listen.*.ssl

Enable SSL.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.listenAddresses

Listen addresses for this virtual host. Compared to ‘listen’ this only sets the addresses and the ports are chosen automatically.

Note: This option overrides ‘networking.enableIPv6’

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "127.0.0.1"
  "[::1]"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.locations

Declarative location config

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "/" = {
    proxyPass = "http://localhost:3000";
  };
};
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.locations.<name>.alias

Alias directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/alias/directory"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.locations.<name>.basicAuth

Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.locations.<name>.basicAuthFile

Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.locations.<name>.extraConfig

These lines go to the end of the location verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.locations.<name>.fastcgiParams

FastCGI parameters to override. Unlike in the Nginx configuration file, overriding only some default parameters won’t unset the default values for other parameters.

Type: attribute set of (string or absolute path)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.locations.<name>.index
Adds index directive.

Type: null or string

Default:

```
null
```

Example:

```
"index.php index.html"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.locations.<name>.priority
Order of this location block in relation to the others in the vhost. The semantics are the same as with 'lib.mkOrder'. Smaller values have a greater priority.

Type: signed integer

Default:

```
1000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.locations.<name>.proxyPass
Adds proxy_pass directive and sets recommended proxy headers if recommendedProxySettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"http://www.example.org/"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.locations.<name>.proxyWebsockets
Whether to support proxying websocket connections with HTTP/1.1.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.locations.<name>.recommendedProxySettings
Enable recommended proxy settings.

Type: boolean

Default:

```
config.services.nginx.recommendedProxySettings
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.locations.<name>.recommendedUwsgiSettings
Enable recommended uwsgi settings.

Type: boolean

Default:

```
config.services.nginx.recommendedUwsgiSettings
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.locations.<name>.return
Adds a return directive, for e.g. redirections.

Type: null or string or signed integer

Default:

```
null
```

Example:

```
"301 http://example.com$request_uri"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.locations.<name>.root
Root directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/root/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.locations.<name>.tryFiles
Adds try_files directive.

Type: null or string

Default:

```
null
```

Example:

```
"$uri =404"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.locations.<name>.uwsgiPass
Adds uwsgi_pass directive and sets recommended proxy headers if recommendedUwsgiSettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"unix:/run/example/example.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.onlySSL
Whether to enable HTTPS and reject plain HTTP connections. This will set defaults for 'listen' to listen on all interfaces on port 443.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.quic
Whether to enable the QUIC transport protocol. Note that QUIC support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.redirectCode
HTTP status used by 'globalRedirect' and 'forceSSL'. Possible usecases include temporary (302, 307) redirects, keeping the request method and body (307, 308), or explicitly resetting the method to GET (303). See **https://developer.mozilla.org/en−US/docs/Web/HTTP/Redirections**.

Type: integer between 300 and 399 (both inclusive)

Default:

```
301
```

Example:

```
308
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.rejectSSL

Whether to listen for and reject all HTTPS connections to this vhost. Useful in **default** server blocks to avoid serving the certificate for another vhost. Uses the 'ssl_reject_handshake' directive available in nginx versions 1.19.4 and above.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.reuseport

Create an individual listening socket . It is required to specify only once on one of the hosts.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.root

The path of the web root directory.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/data/webserver/docs"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.serverAliases

Additional names of virtual hosts served by this virtual host configuration.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
  "example.org"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.nginx.serverName

Name of this virtual host. Defaults to attribute name in virtualHosts.

Type: null or string

Default:

```
null
```

Example:

```
"example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/movim.nix>

services.movim.nginx.sslCertificate
Path to server SSL certificate.

Type: absolute path

Example:

```
"/var/host.cert"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/movim.nix>

services.movim.nginx.sslCertificateKey
Path to server SSL certificate key.

Type: absolute path

Example:

```
"/var/host.key"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/movim.nix>

services.movim.nginx.sslTrustedCertificate
Path to root SSL certificate for stapling and client certificates.

Type: null or absolute path

Default:

```
null
```

Example:

```
"${pkgs.cacert}/etc/ssl/certs/ca-bundle.crt"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/movim.nix>

services.movim.nginx.useACMEHost
A host of an existing Let's Encrypt certificate to use. This is useful if you have many subdomains and want to avoid hitting the **rate limit**. Alternately, you can generate a certificate through **enableACME**. *Note that this option does not create any certificates, nor it does add subdomains to existing ones – you will need to create them manually using* **security.acme.certs**[2].

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/movim.nix>

2. see the **security.acme.certs** option

services.movim.phpCfg

Extra PHP INI options such as ‘memory_limit’, ‘max_execution_time’, etc.

Type: attribute set of (signed integer or string or boolean)

Default:

```
{
  error_reporting = "E_ALL & ~E_DEPRECATED & ~E_STRICT";
  "opcache.enable_cli" = 1;
  "opcache.fast_shutdown" = 1;
  "opcache.interned_strings_buffer" = 8;
  "opcache.max_accelerated_files" = 6144;
  "opcache.memory_consumption" = 128;
  "opcache.revalidate_freq" = 2;
  output_buffering = 0;
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.phpPackage

The php package to use.

Type: package

Default:

```
pkgs.php
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.podConfig

Pod configuration (values from ‘php daemon.php config −−help’). Note that these values will now be disabled in the admin panel.

Type: submodule

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.podConfig.chatonly

Disable all the social feature (Communities, Blog…) and keep only the chat ones

Type: null or boolean

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.podConfig.description

General description of the instance

Type: null or non−empty string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.podConfig.disableregistration
Remove the XMPP registration flow and buttons from the interface

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.podConfig.info
Content of the info box on the login page

Type: null or non−empty string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.podConfig.locale
The server main locale

Type: null or non−empty string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.podConfig.loglevel
The server loglevel

Type: null or integer between 0 and 3 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.podConfig.restrictsuggestions
Only suggest chatrooms, Communities and other contents that are available on the user XMPP server and related services

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.podConfig.timezone
The server timezone

Type: null or non−empty string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.podConfig.xmppdescription
The default XMPP server description

Type: null or non−empty string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.podConfig.xmppdomain
The default XMPP server domain

Type: null or non−empty string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.podConfig.xmppwhitelist
The allowlisted XMPP servers

Type: null or non−empty string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.poolConfig
Options for Movim's PHP−FPM pool.

Type: attribute set of (signed integer or string or boolean)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.port
Movim daemon port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.precompressStaticFiles
Aggressively precompress static files

Type: submodule

Default:

```
{
  brotli = {
    enable = true;
  };
  gzip = {
    enable = false;
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.precompressStaticFiles.brotli.enable
Whether to enable Brotli precompression.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.precompressStaticFiles.brotli.package
The brotli package to use.

Type: package

Default:

```
pkgs.brotli
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.precompressStaticFiles.brotli.compressionLevel
Brotli compression level

Type: integer between 0 and 11 (both inclusive)

Default:

```
11
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.precompressStaticFiles.gzip.enable
Whether to enable Gzip precompression.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.precompressStaticFiles.gzip.package
The gzip package to use.

Type: package

Default:

```
pkgs.gzip
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.precompressStaticFiles.gzip.compressionLevel
Gzip compression level

Type: integer between 1 and 9 (both inclusive)

Default:

```
9
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.runtimeDir
Runtime directory of the ‘movim’ user which holds the application’s caches & temporary files.

Type: absolute path

Default:

```
"/run/movim"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.secretFile
The secret file to be sourced for the .env settings.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.settings

.env settings for Movim. Secrets should use ‘secretFile’ option instead. ‘null’s will be culled.

Type: attribute set of (null or signed integer or string or boolean)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.user

User running Movim service

Type: non−empty string

Default:

```
"movim"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.movim.verbose

Verbose logs.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/movim.nix>

services.mozillavpn.enable

Whether to enable Mozilla VPN daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/mozillavpn.nix>

services.mpd.enable

Whether to enable MPD, the music player daemon.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/audio/mpd.nix>

services.mpd.credentials

Credentials and permissions for accessing the mpd server.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    passwordFile = "/var/lib/secrets/mpd_readonly_password";
    permissions = [
      "read"
    ];
  }
  {
    passwordFile = "/var/lib/secrets/mpd_admin_password";
    permissions = [
      "read"
      "add"
      "player"
      "control"
      "admin"
    ];
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/audio/mpd.nix>

services.mpd.credentials.*.passwordFile

Path to file containing the password.

Type: absolute path

Declared by:

<nixpkgs/nixos/modules/services/audio/mpd.nix>

services.mpd.credentials.*.permissions

List of permissions that are granted with this password. Permissions can be “read”, “add”, “player”, “control”, “admin”.

Type: list of (one of “read”, “add”, “player”, “control”, “admin”)

Default:

```
[
  "read"
]
```

Declared by:

<nixpkgs/nixos/modules/services/audio/mpd.nix>

services.mpd.dataDir

The directory where MPD stores its state, tag cache, playlists etc. If left as the default value this directory will automatically be created before the MPD server starts, otherwise the sysadmin is responsible for ensuring the directory exists with appropriate ownership and permissions.

Type: absolute path

Default:

```
"/var/lib/mpd"
```

Declared by:
<nixpkgs/nixos/modules/services/audio/mpd.nix>

services.mpd.fluidsynth
If set, add fluidsynth soundfont ‘decoder’ block.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/audio/mpd.nix>

services.mpd.group
Group account under which MPD runs.

Type: string

Default:

```
"mpd"
```

Declared by:
<nixpkgs/nixos/modules/services/audio/mpd.nix>

services.mpd.openFirewall
Open ports in the firewall for mpd. If ‘null’ (default), you might get a warning asking you to set it explicitly to ‘true’ or ‘false’, depending upon the value of ‘services.mpd.settings.bind_to_address’.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/audio/mpd.nix>

services.mpd.settings
Configuration for MPD. MPD supports key−value like blocks for settings like ‘audio_output’ and ‘neighbor’. Some of these blocks can be specified multiple times, so the following configuration:

```
audio_output {
    device "iec958:CARD=Intel,DEV=0"
    mixer_control "PCM"
    name "My specific ALSA output"
    type "alsa"
}
audio_output {
    mixer_type "null"
    name "ALSA Null"
    type "alsa"
}
audio_output {
    name "The Pulse"
    type "pulse"
}
```

Can be inserted with:

```
audio_output = [
  {
    type = "alsa";
    name = "My specific ALSA output";
    device = "iec958:CARD=Intel,DEV=0";
    mixer_control = "PCM";
  }
  {
    type = "alsa";
    name = "ALSA Null";
    mixer_type = "null";
  }
  {
    type = "pulse";
    name = "The Pulse";
  }
];
```

Type: open submodule of attribute set of (string or signed integer or boolean or absolute path or list of attribute set of (string or signed integer or boolean or absolute path))

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/audio/mpd.nix>

services.mpd.settings.bind_to_address
The address for the daemon to listen on. Use ‘any’ to listen on all addresses.

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"any"
```

Declared by:
<nixpkgs/nixos/modules/services/audio/mpd.nix>

services.mpd.settings.db_file
The path to MPD’s database.

Type: null or absolute path

Default:

```
"${dataDir}/tag_cache"
```

Declared by:
<nixpkgs/nixos/modules/services/audio/mpd.nix>

services.mpd.settings.music_directory
The directory or URI where MPD reads music from. If left as the default value this directory will automatically be created before the MPD server starts, otherwise the sysadmin is responsible for ensuring the directory exists with appropriate ownership and permissions.

Type: absolute path or string matching the pattern ([a−z]+)://.+

Default:

```
"${dataDir}/music"
```

Declared by:
<nixpkgs/nixos/modules/services/audio/mpd.nix>

services.mpd.settings.playlist_directory
The directory where MPD stores playlists. If left as the default value this directory will automatically be created before the MPD server starts, otherwise the sysadmin is responsible for ensuring the directory exists with appropriate ownership and permissions.

Type: absolute path

Default:

```
"${dataDir}/playlists"
```

Declared by:
<nixpkgs/nixos/modules/services/audio/mpd.nix>

services.mpd.settings.port
This setting is the TCP port that is desired for the daemon to get assigned to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
6600
```

Declared by:
<nixpkgs/nixos/modules/services/audio/mpd.nix>

services.mpd.startWhenNeeded
If set, **mpd** is socket−activated; that is, instead of having it permanently running as a daemon, systemd will start it on the first incoming connection.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/audio/mpd.nix>

services.mpd.user
User account under which MPD runs.

Type: string

Default:

```
"mpd"
```

Declared by:
<nixpkgs/nixos/modules/services/audio/mpd.nix>

services.mpdscribble.enable
Whether to enable mpdscribble, an MPD client which submits info about tracks being played to Last.fm (formerly AudioScrobbler).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/audio/mpdscribble.nix>

services.mpdscribble.endpoints
Endpoints to scrobble to. If the endpoint is one of “jamendo”, “last.fm”, “libre.fm”, “listenbrainz” the url is set automatically.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "last.fm" = {
    passwordFile = "/run/secrets/lastfm_password";
    username = "foo";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/audio/mpdscribble.nix>

services.mpdscribble.endpoints.<name>.passwordFile
File containing the password, either as MD5SUM or cleartext.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/audio/mpdscribble.nix>

services.mpdscribble.endpoints.<name>.url
The url endpoint where the scrobble API is listening.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/audio/mpdscribble.nix>

services.mpdscribble.endpoints.<name>.username
Username for the scrobble service.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/audio/mpdscribble.nix>

services.mpdscribble.host
Host for the mpdscribble daemon to search for a mpd daemon on.

Type: string

Default:

```
if config.services.mpd.settings.bind_to_address != "any"
then config.services.mpd.settings.bind_to_address
else "localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/audio/mpdscribble.nix>

services.mpdscribble.journalInterval
How often should mpdscribble save the journal file? [seconds]

Type: signed integer

Default:

```
600
```

Example:

```
60
```

Declared by:
<nixpkgs/nixos/modules/services/audio/mpdscribble.nix>

services.mpdscribble.passwordFile
File containing the password for the mpd daemon. If there is a local mpd configured using **services.mpd.credentials** the default is automatically set to a matching passwordFile of the local mpd.

Type: null or string

Default: The first password file with read access configured for MPD when using a local instance, otherwise null.

Declared by:
<nixpkgs/nixos/modules/services/audio/mpdscribble.nix>

services.mpdscribble.port
Port for the mpdscribble daemon to search for a mpd daemon on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
config.services.mpd.settings.port
```

Declared by:
<nixpkgs/nixos/modules/services/audio/mpdscribble.nix>

services.mpdscribble.proxy
HTTP proxy URL.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/audio/mpdscribble.nix>

services.mpdscribble.verbose
Log level for the mpdscribble daemon.

Type: signed integer

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/audio/mpdscribble.nix>

services.mptcpd.enable

Whether to enable the Multipath TCP path management daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/mptcpd.nix>

services.mptcpd.package

The mptcpd package to use.

Type: package

Default:

```
pkgs.mptcpd
```

Declared by:

<nixpkgs/nixos/modules/services/networking/mptcpd.nix>

services.mqtt2influxdb.enable

Whether to enable BigClown MQTT to InfluxDB bridge.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/mqtt2influxdb.nix>

services.mqtt2influxdb.package

The mqtt2influxdb package to use.

Type: package

Default:

```
pkgs.python3Packages.mqtt2influxdb
```

Declared by:

<nixpkgs/nixos/modules/services/misc/mqtt2influxdb.nix>

services.mqtt2influxdb.environmentFiles

File to load as environment file. Environment variables from this file will be interpolated into the config file using envsubst with this syntax: '$ENVIRONMENT' or '${VARIABLE}'. This is useful to avoid putting secrets into the nix store.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[
```

```
    "/run/keys/mqtt2influxdb.env"
  ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mqtt2influxdb.nix>

services.mqtt2influxdb.influxdb.database
Name of the InfluxDB database.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/misc/mqtt2influxdb.nix>

services.mqtt2influxdb.influxdb.host
Host where InfluxDB server is running.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mqtt2influxdb.nix>

services.mqtt2influxdb.influxdb.password
Password for InfluxDB login.

It is highly suggested to use here replacement through environmentFiles as otherwise the password is put world readable to the store.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mqtt2influxdb.nix>

services.mqtt2influxdb.influxdb.port
InfluxDB server port

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8086
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mqtt2influxdb.nix>

services.mqtt2influxdb.influxdb.ssl
Use SSL to connect to the InfluxDB server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mqtt2influxdb.nix>

services.mqtt2influxdb.influxdb.username
Username for InfluxDB login.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mqtt2influxdb.nix>

services.mqtt2influxdb.influxdb.verify_ssl
Verify SSL certificate when connecting to the InfluxDB server.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mqtt2influxdb.nix>

services.mqtt2influxdb.mqtt.cafile
Certification Authority file for MQTT

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mqtt2influxdb.nix>

services.mqtt2influxdb.mqtt.certfile
Certificate file for MQTT

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mqtt2influxdb.nix>

services.mqtt2influxdb.mqtt.host
Host where MQTT server is running.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mqtt2influxdb.nix>

services.mqtt2influxdb.mqtt.keyfile
Key file for MQTT

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mqtt2influxdb.nix>

services.mqtt2influxdb.mqtt.password
MQTT password.

It is highly suggested to use here replacement through environmentFiles as otherwise the password is put world readable to the store.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mqtt2influxdb.nix>

services.mqtt2influxdb.mqtt.port
MQTT server port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
1883
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mqtt2influxdb.nix>

services.mqtt2influxdb.mqtt.username
Username used to connect to the MQTT server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mqtt2influxdb.nix>

services.mqtt2influxdb.points
Points to bridge from MQTT to InfluxDB.

Type: list of (submodule)

Default:

```
[
  {
    fields = {
      value = "$.payload";
    };
    measurement = "temperature";
    tags = {
      channel = "$.topic[3]";
      id = "$.topic[1]";
    };
    topic = "node/+/thermometer/+/temperature";
  }
  {
    fields = {
      value = "$.payload";
    };
```

```
      measurement = "relative-humidity";
      tags = {
        channel = "$.topic[3]";
        id = "$.topic[1]";
      };
      topic = "node/+/hygrometer/+/relative-humidity";
    }
    {
      fields = {
        value = "$.payload";
      };
      measurement = "illuminance";
      tags = {
        id = "$.topic[1]";
      };
      topic = "node/+/lux-meter/0:0/illuminance";
    }
    {
      fields = {
        value = "$.payload";
      };
      measurement = "pressure";
      tags = {
        id = "$.topic[1]";
      };
      topic = "node/+/barometer/0:0/pressure";
    }
    {
      fields = {
        value = "$.payload";
      };
      measurement = "co2";
      tags = {
        id = "$.topic[1]";
      };
      topic = "node/+/co2-meter/-/concentration";
    }
    {
      fields = {
        value = "$.payload";
      };
      measurement = "voltage";
      tags = {
        id = "$.topic[1]";
      };
      topic = "node/+/battery/+/voltage";
    }
    {
      fields = {
        value = "$.payload";
      };
      measurement = "button";
      tags = {
```

```
            channel = "$.topic[3]";
            id = "$.topic[1]";
          };
          topic = "node/+/push-button/+/event-count";
        }
        {
          fields = {
            value = "$.payload";
          };
          measurement = "tvoc";
          tags = {
            id = "$.topic[1]";
          };
          topic = "node/+/voc-lp-sensor/0:0/tvoc";
        }
      ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mqtt2influxdb.nix>

services.mqtt2influxdb.points.*.fields
Field selector.

Type: submodule

Declared by:
<nixpkgs/nixos/modules/services/misc/mqtt2influxdb.nix>

services.mqtt2influxdb.points.*.fields.type
Type to be picked up

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mqtt2influxdb.nix>

services.mqtt2influxdb.points.*.fields.value
Value to be picked up

Type: string

Default:

```
"$.payload"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mqtt2influxdb.nix>

services.mqtt2influxdb.points.*.measurement
Name of the measurement

Type: string

Declared by:
<nixpkgs/nixos/modules/services/misc/mqtt2influxdb.nix>

services.mqtt2influxdb.points.*.tags
Tags applied

Type: attribute set of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/mqtt2influxdb.nix>

services.mqtt2influxdb.points.*.topic
MQTT topic to subscribe to.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/misc/mqtt2influxdb.nix>

services.mstpd.enable
Whether to enable the multiple spanning tree protocol daemon.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mstpd.nix>

services.mtprotoproxy.enable
Whether to enable mtprotoproxy.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mtprotoproxy.nix>

services.mtprotoproxy.adTag
Tag for advertising that can be obtained from @MTProxybot.

Type: null or string

Default:

```
null
```

Example:

```
"3c09c680b76ee91a4c25ad51f742267d"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mtprotoproxy.nix>

services.mtprotoproxy.extraConfig

Extra configuration options for mtprotoproxy.

Type: attribute set

Default:

```
{ }
```

Example:

```
{
  STATS_PRINT_PERIOD = 600;
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/mtprotoproxy.nix>

services.mtprotoproxy.port

TCP port to accept mtproto connections on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3256
```

Declared by:

<nixpkgs/nixos/modules/services/networking/mtprotoproxy.nix>

services.mtprotoproxy.secureOnly

Don’t allow users to connect in non−secure mode (without random padding).

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/mtprotoproxy.nix>

services.mtprotoproxy.users

Allowed users and their secrets. A secret is a 32 characters long hex string.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  tg = "00000000000000000000000000000000";
  tg2 = "0123456789abcdef0123456789abcdef";
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/mtprotoproxy.nix>

services.mtr−exporter.enable

Whether to enable a Prometheus exporter for MTR.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mtr−exporter.nix>

services.mtr−exporter.package
The mtr−exporter package to use.

Type: package

Default:

```
pkgs.mtr−exporter
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mtr−exporter.nix>

services.mtr−exporter.address
Listen address for MTR exporter.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mtr−exporter.nix>

services.mtr−exporter.extraFlags
Extra command line options to pass to MTR exporter.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "−flag.deprecatedMetrics"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mtr−exporter.nix>

services.mtr−exporter.jobs
List of MTR jobs. Will be added to /etc/mtr−exporter.conf

Type: non−empty (list of (submodule))

Declared by:
<nixpkgs/nixos/modules/services/networking/mtr−exporter.nix>

services.mtr−exporter.jobs.*.address
Target address for MTR client.

Type: string

Example:

```
"host.example.org:1234"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mtr−exporter.nix>

services.mtr−exporter.jobs.*.flags
Additional flags to pass to MTR.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "−G1"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mtr−exporter.nix>

services.mtr−exporter.jobs.*.name
Name of ICMP pinging job.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/mtr−exporter.nix>

services.mtr−exporter.jobs.*.schedule
Schedule of MTR checks. Also accepts Cron format.

Type: string

Default:

```
"@every 60s"
```

Example:

```
"@hourly"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mtr−exporter.nix>

services.mtr−exporter.mtrPackage
The mtr package to use.

Type: package

Default:

```
pkgs.mtr
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mtr−exporter.nix>

services.mtr−exporter.port
Listen port for MTR exporter.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mtr−exporter.nix>

services.mullvad−vpn.enable
This option enables Mullvad VPN daemon.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mullvad−vpn.nix>

services.mullvad−vpn.enableEarlyBootBlocking
This option activates an additional oneshot systemd service to ensure that the mullvad daemon will start and block traffic before any network configuration will be applied. This matches what upstream Mullvad distributes for their supported distros, but is disabled by default in NixOS as it may conflict with non−Mullvad network configuration.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mullvad−vpn.nix>

services.mullvad−vpn.enableExcludeWrapper
This option activates the wrapper that allows the use of mullvad−exclude. Might have minor security impact, so consider disabling if you do not use the feature.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mullvad−vpn.nix>

services.mullvad−vpn.package
The mullvad package to use. ‘pkgs.mullvad’ only provides the CLI tool, ‘pkgs.mullvad−vpn’ provides both the CLI and the GUI.

Type: package

Default:

```
pkgs.mullvad
```

Example:

```
mullvad-vpn
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mullvad−vpn.nix>

services.multipath.enable
Whether to enable the device mapper multipath (DM−MP) daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.package
The multipath−tools package to use.

Type: package

Default:

```
pkgs.multipath-tools
```

Declared by:
<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.blacklist
This section defines which devices should be excluded from the multipath topology discovery.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.blacklist_exceptions
This section defines which devices should be included in the multipath topology discovery, despite being listed in the blacklist section.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.defaults
This section defines default values for attributes which are used whenever no values are given in the appropriate device or multipath sections.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.devices
This option allows you to define arrays for use in multipath groups.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
```

```
      vendor = "\"COMPELNT\"";
      product = "\"Compellent Vol\"";
      path_checker = "tur";
      no_path_retry = "queue";
      max_sectors_kb = 256;
    }, ...
  ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.devices.*.alias_prefix
The user_friendly_names prefix to use for this device type, instead of the default mpath

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.devices.*.all_tg_pt
Set the 'all targets ports' flag when registering keys with mpathpersist

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.devices.*.deferred_remove
If set to "yes", multipathd will do a deferred remove instead of a regular remove when the last path device has been deleted. This means that if the multipath device is still in use, it will be freed when the last user closes it. If path is added to the multipath device before the last user closes it, the deferred remove will be canceled.

Type: null or one of "yes", "no"

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.devices.*.delay_wait_checks
This option is deprecated, and mapped to san_path_err_recovery_time

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.devices.*.delay_watch_checks

This option is deprecated, and mapped to san_path_err_forget_rate

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.devices.*.detect_checker

If set to “yes”, multipath will try to detect if the device supports SCSI−3 ALUA. If so, the device will automatically use the tur checker. If set to “no”, the checker will be selected as usual.

Type: null or one of “yes”, “no”

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.devices.*.detect_prio

If set to “yes”, multipath will try to detect if the device supports SCSI−3 ALUA. If so, the device will automatically use the sysfs prioritizer if the required sysf attributes access_state and preferred_path are supported, or the alua prioritizer if not. If set to “no”, the prioritizer will be selected as usual.

Type: null or one of “yes”, “no”

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.devices.*.dev_loss_tmo

Specify the number of seconds the SCSI layer will wait after a problem has been detected on a FC remote port before removing it from the system. This can be set to “infinity” which sets it to the max value of 2147483647 seconds, or 68 years. It will be automatically adjusted to the overall retry interval no_path_retry * polling_interval if a number of retries is given with no_path_retry and the overall retry interval is longer than the specified dev_loss_tmo value. The Linux kernel will cap this value to 600 if fast_io_fail_tmo is not set.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.devices.*.failback

Tell multipathd how to manage path group failback. Quote integers as strings

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.devices.*.fast_io_fail_tmo
Specify the number of seconds the SCSI layer will wait after a problem has been detected on a FC remote port before failing I/O to devices on that remote port. This should be smaller than dev_loss_tmo. Setting this to “off” will disable the timeout. Quote integers as strings.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.devices.*.features
Specify any device−mapper features to be used

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.devices.*.flush_on_last_del
If set to “yes” multipathd will disable queueing when the last path to a device has been deleted.

Type: null or one of “yes”, “no”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.devices.*.getuid_callout
(Superseded by uid_attribute) The default program and args to callout to obtain a unique path identifier. Should be specified with an absolute path.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.devices.*.ghost_delay
Sets the number of seconds that multipath will wait after creating a device with only ghost paths before marking it ready for use in systemd

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.devices.*.hardware_handler

The hardware handler to use for this device type

Type: null or one of “emc”, “rdac”, “hp_sw”, “alua”, “ana”

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.devices.*.marginal_path_double_failed_time

One of the four parameters of supporting path check based on accounting IO error such as intermittent error

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.devices.*.marginal_path_err_rate_threshold

The error rate threshold as a permillage (1/1000)

Type: null or signed integer

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.devices.*.marginal_path_err_recheck_gap_time

One of the four parameters of supporting path check based on accounting IO error such as intermittent error

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.devices.*.marginal_path_err_sample_time

One of the four parameters of supporting path check based on accounting IO error such as intermittent error

Type: null or signed integer

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.devices.*.max_sectors_kb

Sets the max_sectors_kb device parameter on all path devices and the multipath device to the specified value

Type: null or signed integer

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.devices.*.no_path_retry

Specify what to do when all paths are down. Quote integers as strings

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.devices.*.path_checker

The default method used to determine the paths state

Type: one of “readsector0”, “tur”, “emc_clariion”, “hp_sw”, “rdac”, “directio”, “cciss_tur”, “none”

Default:

```
"tur"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.devices.*.path_grouping_policy

The default path grouping policy to apply to unspecified multipaths

Type: null or one of “failover”, “multibus”, “group_by_serial”, “group_by_prio”, “group_by_node_name”

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.devices.*.path_selector

The default path selector algorithm to use; they are offered by the kernel multipath target

Type: null or one of "“round−robin 0"”, "“queue−length 0"”, "“service−time 0"”, "“historical−service−time 0"”

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.devices.*.prio
The name of the path priority routine

Type: null or one of “none”, “const”, “sysfs”, “emc”, “alua”, “ontap”, “rdac”, “hp_sw”, “hds”, “random”, “weightedpath”, “path_latency”, “ana”, “datacore”, “iet”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.devices.*.prio_args
Arguments to pass to to the prio function

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.devices.*.product
Regular expression to match the product name

Type: string

Example:

```
"Compellent Vol"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.devices.*.product_blacklist
Products with the given vendor matching this string are blacklisted

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.devices.*.revision
Regular expression to match the product revision

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.devices.*.rr_min_io
Number of I/O requests to route to a path before switching to the next in the same path group. This is only for Block I/O (BIO) based multipath and only apply to round−robin path_selector.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.devices.*.rr_min_io_rq
Number of I/O requests to route to a path before switching to the next in the same path group. This is only for Request based multipath and only apply to round−robin path_selector.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.devices.*.rr_weight
If set to priorities the multipath configurator will assign path weights as “path prio * rr_min_io”.

Type: null or one of “priorities”, “uniform”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.devices.*.san_path_err_forget_rate
If set to a value greater than 0, multipathd will check whether the path failures has exceeded the san_path_err_threshold within this many checks i.e san_path_err_forget_rate. If so we will not reinstante the path till san_path_err_recovery_time.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.devices.*.san_path_err_recovery_time
If set to a value greater than 0, multipathd will make sure that when path failures has exceeded the san_path_err_threshold within san_path_err_forget_rate then the path will be placed in failed state for san_path_err_recovery_time duration. Once san_path_err_recovery_time has timeout we will reinstante the failed path. san_path_err_recovery_time value should be in secs.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.devices.*.san_path_err_threshold
If set to a value greater than 0, multipathd will watch paths and check how many times a path has been failed due to errors.If the number of failures on a particular path is greater then the san_path_err_threshold, then the path will not reinstate till san_path_err_recovery_time. These path failures should occur within a san_path_err_forget_rate checks, if not we will consider the path is good enough to reinstantate.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.devices.*.skip_kpartx
If set to yes, kpartx will not automatically create partitions on the device

Type: null or one of “yes”, “no”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.devices.*.uid_attribute
The udev attribute providing a unique path identifier (WWID)

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.devices.*.user_friendly_names
If set to “yes”, using the bindings file /etc/multipath/bindings to assign a persistent and unique alias to the multipath, in the form of mpath. If set to “no” use the WWID as the alias. In either case this be will be overridden by any specific aliases in the multipaths section.

Type: null or one of “yes”, “no”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.devices.*.vendor
Regular expression to match the vendor name

Type: string

Example:

```
"COMPELNT"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.devices.*.vpd_vendor
The vendor specific vpd page information, using the vpd page abbreviation

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.extraConfig

Lines to append to default multipath.conf

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.extraConfigFile

Append an additional file's contents to /etc/multipath.conf

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.overrides

This section defines values for attributes that should override the device−specific settings for all devices.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.pathGroups

This option allows you to define multipath groups as described in http://christophe.varoqui.free.fr/usage.html.

Type: list of (submodule)

Example:

```
[
  {
    wwid = "360080e500043b35c0123456789abcdef";
    alias = 10001234;
    array = "bigarray.example.com";
    fsType = "zfs"; # optional
    options = "ro"; # optional
  }, ...
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.pathGroups.*.alias

The name of the multipath device

Type: signed integer

Example:

```
1001234
```

Declared by:
<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.pathGroups.*.array
The DNS name of the storage array

Type: string

Default:

```
null
```

Example:

```
"bigarray.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.pathGroups.*.fsType
Type of the filesystem

Type: null or string

Default:

```
null
```

Example:

```
"zfs"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.pathGroups.*.options
Options used to mount the file system

Type: null or string

Default:

```
null
```

Example:

```
"ro"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.multipath.pathGroups.*.wwid
The identifier for the multipath device

Type: string (with check: hexadecimal string)

Example:

```
"360080e500043b35c0123456789abcdef"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/multipath.nix>

services.munge.enable
Whether to enable munge service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/security/munge.nix>

services.munge.password

The path to a daemon's secret key.

Type: absolute path

Default:

```
"/etc/munge/munge.key"
```

Declared by:

<nixpkgs/nixos/modules/services/security/munge.nix>

services.munin−cron.enable

Enable munin−cron. Takes care of all heavy lifting to collect data from nodes and draws graphs to html. Runs munin−update, munin−limits, munin−graphs and munin−html in that order.

HTML output is in */var/www/munin/*, configure your favourite webserver to serve static files.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/munin.nix>

services.munin−cron.extraCSS

Custom styling for the HTML that munin−cron generates. This will be appended to the CSS files used by munin−cron and will thus take precedence over the builtin styles.

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
/* A simple dark theme. */
html, body { background: #222222; }
#header, #footer { background: #333333; }
img.i, img.iwarn, img.icrit, img.iunkn {
  filter: invert(100%) hue−rotate(−30deg);
}
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/munin.nix>

services.munin−cron.extraGlobalConfig

munin.conf extra global configuration. See **https://guide.munin−monitoring.org/en/latest/reference/munin.conf.html**. Useful to setup notifications, see **https://guide.munin−monitoring.org/en/latest/tutorial/alert.html**

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
  contact.email.command mail -s "Munin notification for ''${var:ho \
st}" someone@example.com
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/munin.nix>

services.munin-cron.hosts

Definitions of hosts of nodes to collect data from. Needs at least one host for cron to succeed. See **https://guide.munin-monitoring.org/en/latest/reference/munin.conf.html**

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
[${config.networking.hostName}]
address localhost
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/munin.nix>

services.munin-node.enable

Enable Munin Node agent. Munin node listens on 0.0.0.0 and by default accepts connections only from 127.0.0.1 for security reasons.

See **https://guide.munin-monitoring.org/en/latest/architecture/index.html**.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/munin.nix>

services.munin-node.disabledPlugins

Munin plugins to disable, even if 'munin-node-configure --suggest' tries to enable them. To disable a wildcard plugin, use an actual wildcard, as in the example.

munin_stats is disabled by default as it tries to read '/var/log/munin/munin-update.log' for timing information, and the NixOS build of Munin does not write this file.

Type: list of string

Default:

```
[
  "munin_stats"
]
```

Example:

```
[
  "diskstats"
  "zfs_usage_*"
]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/munin.nix>

services.munin−node.extraAutoPlugins

Additional Munin plugins to autoconfigure, using ‘munin−node−configure −−suggest’. These should be the actual paths to the plugin files (or directories containing them), not just their names.

If you want to manually enable individual plugins instead, use **services.munin−node.extraPlugins**.

Note that only plugins that have the ‘autoconfig’ capability will do anything if listed here, since plugins that cannot autoconfigure won’t be automatically enabled by ‘munin−node−configure’.

Plugins will be copied into the Nix store, and it will attempt to modify them to run properly by fixing hardcoded references to ‘/bin’, ‘/usr/bin’, ‘/sbin’, and ‘/usr/sbin’.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[
  /src/munin-contrib/plugins/zfs
  /src/munin-contrib/plugins/ssh
];
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/munin.nix>

services.munin−node.extraConfig

munin−node.conf extra configuration. See **https://guide.munin−monitoring.org/en/latest/reference/munin−node.conf.html**

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/munin.nix>

services.munin−node.extraPluginConfig

plugin−conf.d extra plugin configuration. See **https://guide.munin−monitoring.org/en/latest/plugin/use.html**

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
[fail2ban_*]
user root
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/munin.nix>

services.munin−node.extraPlugins

Additional Munin plugins to activate. Keys are the name of the plugin symlink, values are the path to the underlying plugin script. You can use the same plugin script multiple times (e.g. for wildcard plugins).

Note that these plugins do not participate in autoconfiguration. If you want to autoconfigure additional plugins, use **services.munin−node.extraAutoPlugins**.

Plugins enabled in this manner take precedence over autoconfigured plugins.

Plugins will be copied into the Nix store, and it will attempt to modify them to run properly by fixing hardcoded references to ‘/bin’, ‘/usr/bin’, ‘/sbin’, and ‘/usr/sbin’.

Type: attribute set of absolute path

Default:

```
{ }
```

Example:

```
{
  zfs_usage_bigpool = /src/munin-contrib/plugins/zfs/zfs_usage_;
  zfs_usage_smallpool = /src/munin-contrib/plugins/zfs/zfs_usage_;
  zfs_list = /src/munin-contrib/plugins/zfs/zfs_list;
};
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/munin.nix>

services.murmur.enable

Whether to enable Mumble server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/murmur.nix>

services.murmur.package

The murmur package to use.

Type: package

Default:

```
pkgs.murmur
```

Declared by:

<nixpkgs/nixos/modules/services/networking/murmur.nix>

services.murmur.allowHtml

Allow HTML in client messages, comments, and channel descriptions.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/murmur.nix>

services.murmur.autobanAttempts

Number of attempts a client is allowed to make in ‘autobanTimeframe’ seconds, before being banned for ‘autobanTime’.

Type: signed integer

Default:

```
10
```

Declared by:
<nixpkgs/nixos/modules/services/networking/murmur.nix>

services.murmur.autobanTime
The amount of time an IP ban lasts (in seconds).

Type: signed integer

Default:

```
300
```

Declared by:
<nixpkgs/nixos/modules/services/networking/murmur.nix>

services.murmur.autobanTimeframe
Timeframe in which a client can connect without being banned for repeated attempts (in seconds).

Type: signed integer

Default:

```
120
```

Declared by:
<nixpkgs/nixos/modules/services/networking/murmur.nix>

services.murmur.bandwidth
Maximum bandwidth (in bits per second) that clients may send speech at.

Type: signed integer

Default:

```
72000
```

Declared by:
<nixpkgs/nixos/modules/services/networking/murmur.nix>

services.murmur.bonjour
Whether to enable Bonjour auto−discovery, which allows clients over your LAN to automatically discover Mumble servers.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/murmur.nix>

services.murmur.clientCertRequired
Whether to enable requiring clients to authenticate via certificates.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/murmur.nix>

services.murmur.dbus
Enable D−Bus remote control. Set to the bus you want Murmur to connect to.

Type: one of <null>, “session”, “system”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/murmur.nix>

services.murmur.environmentFile
Environment file as defined in **systemd.exec**(5).

Secrets may be passed to the service without adding them to the world−readable Nix store, by specifying placeholder variables as the option value in Nix and setting these variables accordingly in the environment file.

```
# snippet of murmur-related config
services.murmur.password = "$MURMURD_PASSWORD";
```

```
# content of the environment file
MURMURD_PASSWORD=verysecretpassword
```

Note that this file needs to be available on the host on which ‘murmur’ is running.

Type: null or absolute path

Default:

```
null
```

Example:

```
"${config.services.murmur.stateDir}/murmurd.env"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/murmur.nix>

services.murmur.extraConfig
Extra configuration to put into murmur.ini.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/murmur.nix>

services.murmur.group
The name of an existing group to use to run the service. If not specified, the default group will be created.

Type: string

Default:

```
"murmur"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/murmur.nix>

services.murmur.hostName

Host to bind to. Defaults binding on all addresses.

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/networking/murmur.nix>

services.murmur.imgMsgLength

Max length of image messages. Set 0 for no limit.

Type: signed integer

Default:

```
131072
```

Declared by:

<nixpkgs/nixos/modules/services/networking/murmur.nix>

services.murmur.logDays

How long to store RPC logs for in the database. Set 0 to keep logs forever, or −1 to disable DB logging.

Type: signed integer

Default:

```
31
```

Declared by:

<nixpkgs/nixos/modules/services/networking/murmur.nix>

services.murmur.logToFile

Whether to enable logging to a file instead of journald, which is stored in /var/log/murmur.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/murmur.nix>

services.murmur.openFirewall

Whether to enable opening ports in the firewall for the Mumble server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/murmur.nix>

services.murmur.password

Required password to join server, if specified.

Type: string

Default:

""

Declared by:

<nixpkgs/nixos/modules/services/networking/murmur.nix>

services.murmur.port

Ports to bind to (UDP and TCP).

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

`64738`

Declared by:

<nixpkgs/nixos/modules/services/networking/murmur.nix>

services.murmur.registerHostname

DNS hostname where your server can be reached. This is only needed if you want your server to be accessed by its hostname and not IP − but the name *must* resolve on the internet properly.

Type: string

Default:

""

Declared by:

<nixpkgs/nixos/modules/services/networking/murmur.nix>

services.murmur.registerName

Public server registration name, and also the name of the Root channel. Even if you don't publicly register your server, you probably still want to set this.

Type: string

Default:

""

Declared by:

<nixpkgs/nixos/modules/services/networking/murmur.nix>

services.murmur.registerPassword

Public server registry password, used authenticate your server to the registry to prevent impersonation; required for subsequent registry updates.

Type: string

Default:

""

Declared by:

<nixpkgs/nixos/modules/services/networking/murmur.nix>

services.murmur.registerUrl
URL website for your server.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/murmur.nix>

services.murmur.sendVersion
Send Murmur version in UDP response.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/murmur.nix>

services.murmur.stateDir
Directory to store data for the server.

Type: absolute path

Default:

```
"/var/lib/murmur"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/murmur.nix>

services.murmur.textMsgLength
Max length of text messages. Set 0 for no limit.

Type: signed integer

Default:

```
5000
```

Declared by:
<nixpkgs/nixos/modules/services/networking/murmur.nix>

services.murmur.tls.caPath
Path to your TLS CA certificate.

Type: null or absolute path

Default: If **services.murmur.tls.useACMEHost** is set, defaults to what's provided by the ACME module.

Declared by:
<nixpkgs/nixos/modules/services/networking/murmur.nix>

services.murmur.tls.certPath
Path to your TLS certificate.

Type: null or absolute path

Default: If **services.murmur.tls.useACMEHost** is set, defaults to what's provided by the ACME module.

Declared by:
<nixpkgs/nixos/modules/services/networking/murmur.nix>

services.murmur.tls.keyPath
Path to your TLS key.

Type: null or absolute path

Default: If **services.murmur.tls.useACMEHost** is set, defaults to what's provided by the ACME module.

Declared by:
<nixpkgs/nixos/modules/services/networking/murmur.nix>

services.murmur.tls.useACMEHost
Host of an existing Let's Encrypt certificate to use for TLS. Make sure that the certificate directory is readable by the 'murmur' user or group. *Note that this option does not create any certificates and it doesn't add subdomains to existing ones – you will need to create them manually using* **security.acme.certs**.

Type: null or string

Default:

```
null
```

Example:

```
"mumble.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/murmur.nix>

services.murmur.user
The name of an existing user to use to run the service. If not specified, the default user will be created.

Type: string

Default:

```
"murmur"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/murmur.nix>

services.murmur.users
Maximum number of concurrent clients allowed.

Type: signed integer

Default:

```
100
```

Declared by:
<nixpkgs/nixos/modules/services/networking/murmur.nix>

services.murmur.welcometext
Welcome message for connected clients.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/murmur.nix>

services.music−assistant.enable
Whether to enable Music Assistant.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/audio/music−assistant.nix>

services.music−assistant.package
The music−assistant package to use.

Type: package

Default:

```
pkgs.music−assistant
```

Declared by:
<nixpkgs/nixos/modules/services/audio/music−assistant.nix>

services.music−assistant.extraOptions
List of extra options to pass to the music−assistant executable.

Type: list of string

Default:

```
[
  "−−config"
  "/var/lib/music−assistant"
]
```

Example:

```
[
  "−−log−level"
  "DEBUG"
]
```

Declared by:
<nixpkgs/nixos/modules/services/audio/music−assistant.nix>

services.music−assistant.openFirewall
Whether to open required ports for the configured providers. Currently airplay and sendspin need port to be opened to function.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/audio/music−assistant.nix>

services.music−assistant.providers

List of provider names for which dependencies will be installed.

Type: list of (one of “airplay”, “airplay_receiver”, “alexa”, “apple_music”, “ard_audiothek”, “ariacast_receiver”, “audible”, “audiobookshelf”, “bandcamp”, “bbc_sounds”, “bluesound”, “builtin”, “chromecast”, “coverartarchive”, “dashie_kiosk”, “deezer”, “digitally_incorporated”, “dlna”, “emby”, “fanarttv”, “filesystem_local”, “filesystem_nfs”, “filesystem_smb”, “fully_kiosk”, “genius_lyrics”, “gpodder”, “hass”, “hass_players”, “heos”, “ibroadcast”, “internet_archive”, “itunes_podcasts”, “jellyfin”, “kion_music”, “lastfm_scrobble”, “listenbrainz_scrobble”, “lrclib”, “musicbrainz”, “musiccast”, “nicovideo”, “nugs”, “opensubsonic”, “orf_radiothek”, “pandora”, “party”, “phishin”, “plex”, “plex_connect”, “podcast_index”, “podcastfeed”, “qobuz”, “radiobrowser”, “radioparadise”, “roku_media_assistant”, “sendspin”, “siriusxm”, “snapcast”, “somafm”, “sonos”, “sonos_s1”, “soundcloud”, “spotify”, “spotify_connect”, “squeezelite”, “subsonic_scrobble”, “sync_group”, “test”, “theaudiodb”, “tidal”, “tunein”, “universal_group”, “universal_player”, “vban_receiver”, “yandex_music”, “yousee”, “ytmusic”, “zvuk_music”)

Default:

```
[ ]
```

Example:

```
[
  "opensubsonic"
  "snapcast"
]
```

Declared by:

<nixpkgs/nixos/modules/services/audio/music−assistant.nix>

services.mycelium.enable

Whether to enable mycelium network.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/mycelium.nix>

services.mycelium.package

The mycelium package to use.

Type: package

Default:

```
pkgs.mycelium
```

Declared by:

<nixpkgs/nixos/modules/services/networking/mycelium.nix>

services.mycelium.addHostedPublicNodes

Adds the hosted peers from **https://github.com/threefoldtech/mycelium#hosted−public−nodes**.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mycelium.nix>

services.mycelium.extraArgs
Extra command−line arguments to pass to mycelium.

See ‘mycelium −−help’ for all available options.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mycelium.nix>

services.mycelium.keyFile
Optional path to a file containing the mycelium key material. If unset, the location ‘/var/lib/mycelium/key.bin’ will be used. If no key exist at this location, it will be generated on startup.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mycelium.nix>

services.mycelium.openFirewall
Open the firewall for mycelium

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mycelium.nix>

services.mycelium.peers
List of peers to connect to, in the formats:

- ‘quic://[2001:0db8::1]:9651’
- ‘quic://192.0.2.1:9651’
- ‘tcp://[2001:0db8::1]:9651’
- ‘tcp://192.0.2.1:9651’

If addHostedPublicNodes is set to true, the hosted public nodes will also be added.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/mycelium.nix>

services.mympd.enable
Whether to enable MyMPD server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/audio/mympd.nix>

services.mympd.package
The mympd package to use.

Type: package

Default:

```
pkgs.mympd
```

Declared by:
<nixpkgs/nixos/modules/services/audio/mympd.nix>

services.mympd.extraGroups
Additional groups for the systemd service.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "music"
]
```

Declared by:
<nixpkgs/nixos/modules/services/audio/mympd.nix>

services.mympd.openFirewall
Open ports needed for the functionality of the program.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/audio/mympd.nix>

services.mympd.settings
Manages the configuration files declaratively. For all the configuration options, see **https://jcorporation.github.io/myMPD/020−configuration/configuration−files**.

Each key represents the “File” column from the upstream configuration table, and the value is the content of that file.

Type: open submodule of attribute set of (null or string or boolean or signed integer)

Declared by:
<nixpkgs/nixos/modules/services/audio/mympd.nix>

services.mympd.settings.http_port
The HTTP port where mympd’s web interface will be available.

The HTTPS/SSL port can be configured via **config**.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Example:

```
"8080"
```

Declared by:

<nixpkgs/nixos/modules/services/audio/mympd.nix>

services.mympd.settings.ssl

Whether to enable listening on the SSL port.

Refer to **https://jcorporation.github.io/myMPD/020−configuration/configuration−files#ssl−options** for more information.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/audio/mympd.nix>

services.mysql.enable

Whether to enable MySQL server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/databases/mysql.nix>

services.mysql.package

Which MySQL derivation to use. MariaDB packages are supported too.

Type: package

Example:

```
pkgs.mariadb
```

Declared by:

<nixpkgs/nixos/modules/services/databases/mysql.nix>

services.mysql.configFile

Override the configuration file used by MySQL. By default, NixOS generates one automatically from **services.mysql.settings**.

Type: absolute path

Default:

```
A configuration file automatically generated by NixOS.
```

Example:

```
pkgs.writeText "my.cnf" ''
  [mysqld]
  datadir = /var/lib/mysql
  bind−address = 127.0.0.1
  port = 3336
  !includedir /etc/mysql/conf.d/
```

Declared by:
<nixpkgs/nixos/modules/services/databases/mysql.nix>

services.mysql.dataDir
The data directory for MySQL.

Note
If left as the default value of '/var/lib/mysql' this directory will automatically be created before the MySQL server starts, otherwise you are responsible for ensuring the directory exists with appropriate ownership and permissions.

Type: absolute path

Default:

```
"/var/lib/mysql"
```

Example:

```
"/var/lib/mysql"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/mysql.nix>

services.mysql.ensureDatabases
Ensures that the specified databases exist. This option will never delete existing databases, especially not when the value of this option is changed. This means that databases created once through this option or otherwise have to be removed manually.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "nextcloud"
  "matomo"
]
```

Declared by:
<nixpkgs/nixos/modules/services/databases/mysql.nix>

services.mysql.ensureUsers
Ensures that the specified users exist and have at least the ensured permissions. The MySQL users will be identified using Unix socket authentication. This authenticates the Unix user with the same name only, and that without the need for a password. This option will never delete existing users or remove permissions, especially not when the value of this option is changed. This means that users created and permissions assigned once through this option or otherwise have to be removed manually.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    name = "nextcloud";
    ensurePermissions = {
      "nextcloud.*" = "ALL PRIVILEGES";
    };
```

```
    }
    {
      name = "backup";
      ensurePermissions = {
        "*.*" = "SELECT, LOCK TABLES";
      };
    }
  ]
```

Declared by:
<nixpkgs/nixos/modules/services/databases/mysql.nix>

services.mysql.ensureUsers.*.ensurePermissions
Permissions to ensure for the user, specified as attribute set. The attribute names specify the database and tables to grant the permissions for, separated by a dot. You may use wildcards here. The attribute values specfiy the permissions to grant. You may specify one or multiple comma−separated SQL privileges here.

For more information on how to specify the target and on which privileges exist, see the **GRANT syntax**. The attributes are used as ‘GRANT ${attrName} ON ${attrValue}’.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  "database.*" = "ALL PRIVILEGES";
  "*.*" = "SELECT, LOCK TABLES";
}
```

Declared by:
<nixpkgs/nixos/modules/services/databases/mysql.nix>

services.mysql.ensureUsers.*.name
Name of the user to ensure.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/databases/mysql.nix>

services.mysql.galeraCluster.enable
Whether to enable MariaDB Galera Cluster.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/databases/mysql.nix>

services.mysql.galeraCluster.package

The MariaDB Galera package that provides the shared library ‘libgalera_smm.so’ required for cluster functionality.

Type: package

Default:

```
pkgs.mariadb-galera
```

Declared by:

<nixpkgs/nixos/modules/services/databases/mysql.nix>

services.mysql.galeraCluster.clusterAddress

Full Galera cluster connection string. If nodeAddresses is set, this will be auto-generated, but you can override it with a custom value. Format is typically ‘gcomm://node1,node2,node3’ with optional parameters.

Type: string

Default:

```
if (config.services.mysql.galeraCluster.nodeAddresses == [ ]) then
  ""
else
  "gcomm://${builtins.concatStringsSep \",\" config.services.mysq \
l.galeraCluster.nodeAddresses}"
  + lib.optionalString (config.services.mysql.galeraCluster.cluster \
Password != "")
    "?gmcast.seg=1:${config.services.mysql.galeraCluster.clusterPas \
sword}"
```

Example:

```
"gcomm://10.0.0.10,10.0.0.20,10.0.0.30?gmcast.seg=1:SomePassword"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/mysql.nix>

services.mysql.galeraCluster.clusterPassword

Optional password for securing cluster communications. If provided, it will be used in the clusterAddress for authentication between nodes.

Type: string

Default:

```
""
```

Example:

```
"SomePassword"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/mysql.nix>

services.mysql.galeraCluster.localAddress

IP address or hostname of this node that will be used for cluster communication. Must be reachable by all other nodes.

Type: string

Default:

```
config.services.mysql.galeraCluster.localName
```

Example:

```
"1.2.3.4"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/mysql.nix>

services.mysql.galeraCluster.localName
The unique name that identifies this particular node within the cluster. Each node must have a different name.

Type: string

Example:

```
"node1"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/mysql.nix>

services.mysql.galeraCluster.name
The logical name of the Galera cluster. All nodes in the same cluster must use the same name.

Type: string

Default:

```
"galera"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/mysql.nix>

services.mysql.galeraCluster.nodeAddresses
IP addresses or hostnames of all nodes in the cluster, including this node. This is used to construct the default clusterAddress connection string.

Type: list of string

Default:

```
[ ]
```

Example:

```
["10.0.0.10" "10.0.0.20" "10.0.0.30"]
```

Declared by:
<nixpkgs/nixos/modules/services/databases/mysql.nix>

services.mysql.galeraCluster.sstMethod
Method for the initial state transfer (wsrep_sst_method) when a node joins the cluster. Be aware that rsync needs SSH keys to be generated and authorized on all nodes!

Type: one of “rsync”, “mariabackup”

Default:

```
"rsync"
```

Example:

```
"mariabackup"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/mysql.nix>

services.mysql.group

Group account under which MySQL runs.

> **Note**
> If left as the default value this group will automatically be created on system activation, otherwise you are responsible for ensuring the user exists before the MySQL service starts.

Type: string

Default:

```
"mysql"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/mysql.nix>

services.mysql.initialDatabases

List of database names and their initial schemas that should be used to create databases on the first startup of MySQL. The schema attribute is optional: If not specified, an empty database is created.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  { name = "foodatabase"; schema = ./foodatabase.sql; }
  { name = "bardatabase"; }
]
```

Declared by:
<nixpkgs/nixos/modules/services/databases/mysql.nix>

services.mysql.initialDatabases.*.name

The name of the database to create.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/databases/mysql.nix>

services.mysql.initialDatabases.*.schema

The initial schema of the database; if null (the default), an empty database is created.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/databases/mysql.nix>

services.mysql.initialScript

A file containing SQL statements to be executed on the first startup. Can be used for granting certain permissions on the database.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/databases/mysql.nix>

services.mysql.replication.masterHost
Hostname of the MySQL master server.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/databases/mysql.nix>

services.mysql.replication.masterPassword
Password of the MySQL replication user.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/databases/mysql.nix>

services.mysql.replication.masterPort
Port number on which the MySQL master server runs.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3306
```

Declared by:
<nixpkgs/nixos/modules/services/databases/mysql.nix>

services.mysql.replication.masterUser
Username of the MySQL replication user.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/databases/mysql.nix>

services.mysql.replication.role
Role of the MySQL server instance.

Type: one of “master”, “slave”, “none”

Default:

```
"none"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/mysql.nix>

services.mysql.replication.serverId
Id of the MySQL server instance. This number must be unique for each instance.

Type: signed integer

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/databases/mysql.nix>

services.mysql.replication.slaveHost

Hostname of the MySQL slave server.

Type: string

Declared by:

<nixpkgs/nixos/modules/services/databases/mysql.nix>

services.mysql.settings

MySQL configuration. Refer to **https://dev.mysql.com/doc/refman/5.7/en/server−system−variables.html**,

https://dev.mysql.com/doc/refman/8.0/en/server−system−variables.html, and **https://mariadb.com/kb/en/server−system−variables/** for details on supported values.

Note

MySQL configuration options such as '−−quick' should be treated as boolean options and provided values such as 'true', 'false', '1', or '0'. See the provided example below.

Type: attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string) or a list of them for duplicate keys)

Default:

```
{ }
```

Example:

```
{
  mysqld = {
    key_buffer_size = "6G";
    table_cache = 1600;
    log−error = "/var/log/mysql_err.log";
    plugin−load−add = [ "server_audit" "ed25519=auth_ed25519" ];
  };
  mysqldump = {
    quick = true;
    max_allowed_packet = "16M";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/databases/mysql.nix>

services.mysql.user

User account under which MySQL runs.

Note

If left as the default value this user will automatically be created on system activation, otherwise you are responsible for ensuring the user exists before the MySQL service starts.

Type: string

Default:

```
"mysql"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/mysql.nix>

services.mysqlBackup.enable

Whether to enable MySQL backups.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/backup/mysql−backup.nix>

services.mysqlBackup.calendar

Configured when to run the backup service systemd unit (DayOfWeek Year−Month−Day Hour:Minute:Second).

Type: string

Default:

```
"01:15:00"
```

Declared by:

<nixpkgs/nixos/modules/services/backup/mysql−backup.nix>

services.mysqlBackup.compressionAlg

Compression algorithm to use for database dumps.

Type: one of “gzip”, “xz”, “zstd”

Default:

```
"gzip"
```

Declared by:

<nixpkgs/nixos/modules/services/backup/mysql−backup.nix>

services.mysqlBackup.compressionLevel

Compression level to use for gzip, xz or zstd.

- For gzip: 1−9
- For xz: 0−9
- For zstd: 1−19

Note

If compression level is also specified in gzipOptions, the gzipOptions value will be overwritten

Type: null or signed integer

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/backup/mysql−backup.nix>

services.mysqlBackup.databases

List of database names to dump.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/backup/mysql−backup.nix>

services.mysqlBackup.gzipOptions
Command line options to use when invoking ‘gzip’. Only used when compression is set to “gzip”. If compression level is specified both here and in compressionLevel, the compressionLevel value will take precedence.

Type: string

Default:

```
"−−no−name −−rsyncable"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/mysql−backup.nix>

services.mysqlBackup.location
Location to put the compressed MySQL database dumps.

Type: absolute path

Default:

```
"/var/backup/mysql"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/mysql−backup.nix>

services.mysqlBackup.singleTransaction
Whether to create database dump in a single transaction. Can be either a boolean for all databases or a list of database names.

Type: boolean or list of string

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/backup/mysql−backup.nix>

services.mysqlBackup.user
User to be used to perform backup.

Type: string

Default:

```
"mysqlbackup"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/mysql−backup.nix>

services.n8n.enable
Whether to enable n8n server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/n8n.nix>

services.n8n.package
The n8n package to use.

Type: package

Default:

```
pkgs.n8n
```

Declared by:
<nixpkgs/nixos/modules/services/misc/n8n.nix>

services.n8n.customNodes
List of custom n8n community node packages to load. Each package is expected to be an npm package with an 'n8n.nodes' entry in its 'package.json'. The packages are made available to n8n via the 'N8N_CUSTOM_EXTENSIONS' environment variable.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.n8n-nodes-carbonejs ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/n8n.nix>

services.n8n.environment
Environment variables to pass to the n8n service. See **https://docs.n8n.io/hosting/configuration/environment-variables/** for available options.

Environment variables ending with '_FILE' are automatically handled as secrets: they are loaded via systemd credentials for secure access with 'DynamicUser=true'.

This can be useful to pass secrets via tools like 'agenix' or 'sops-nix'.

Type: open submodule of attribute set of (string or (string or signed integer convertible to it) or (string or boolean convertible to it))

Default:

```
{ }
```

Example:

```
{
  N8N_ENCRYPTION_KEY_FILE = "/run/n8n/encryption_key";
  DB_POSTGRESDB_PASSWORD_FILE = "/run/n8n/db_postgresdb_password";
  WEBHOOK_URL = "https://n8n.example.com";
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/n8n.nix>

services.n8n.environment.GENERIC_TIMEZONE
The n8n instance timezone. Important for schedule nodes (such as Cron).

Type: null or string

Default:

```
config.time.timeZone
```

Declared by:
<nixpkgs/nixos/modules/services/misc/n8n.nix>

services.n8n.environment.N8N_DIAGNOSTICS_ENABLED
Whether to share selected, anonymous telemetry with n8n. Note that if you set this to false, you can't enable Ask AI in the Code node.

Type: string or boolean convertible to it

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/n8n.nix>

services.n8n.environment.N8N_PORT
The HTTP port n8n runs on.

Type: string or 16 bit unsigned integer; between 0 and 65535 (both inclusive) convertible to it

Default:

```
5678
```

Declared by:
<nixpkgs/nixos/modules/services/misc/n8n.nix>

services.n8n.environment.N8N_RUNNERS_AUTH_TOKEN_FILE
Path to a file containing the shared authentication token used between the n8n server (task broker) and the task runners.

This option is required when **services.n8n.taskRunners.enable** is true. The file should be readable by the service and not stored in the Nix store. Use tools like 'agenix' or 'sops−nix' to manage this secret.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/n8n.nix>

services.n8n.environment.N8N_RUNNERS_BROKER_LISTEN_ADDRESS
Address the task broker listens on.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/n8n.nix>

services.n8n.environment.N8N_RUNNERS_BROKER_PORT
Port the task broker listens on for task runner connections.

Type: string or 16 bit unsigned integer; between 0 and 65535 (both inclusive) convertible to it

Default:

```
5679
```

Declared by:
<nixpkgs/nixos/modules/services/misc/n8n.nix>

services.n8n.environment.N8N_USER_FOLDER

Provide the path where n8n will create the .n8n folder. This directory stores user−specific data, such as database file and encryption key.

Type: absolute path *(read only)*

Default:

```
"/var/lib/n8n"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/n8n.nix>

services.n8n.environment.N8N_VERSION_NOTIFICATIONS_ENABLED

When enabled, n8n sends notifications of new versions and security updates.

Type: string or boolean convertible to it

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/n8n.nix>

services.n8n.openFirewall

Open ports in the firewall for the n8n web interface.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/n8n.nix>

services.n8n.taskRunners.enable

Whether to enable n8n task runners for sandboxed Code node execution.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/n8n.nix>

services.n8n.taskRunners.environment

Environment variables for the task runner launcher and runners. These are common to all runners and passed via 'allowed−env' in the launcher config. See **https://docs.n8n.io/hosting/configuration/environment−variables/task−runners/** for available options.

Environment variables ending with '_FILE' are automatically handled as secrets: they are loaded via systemd credentials for secure access with 'DynamicUser=true'.

Note: The authentication token should be set via **services.n8n.environment.N8N_RUNNERS_AUTH_TOKEN_FILE**.

Type: open submodule of attribute set of (string or (string or signed integer convertible to it) or (string or boolean convertible to it))

Default:

```
{ }
```

Example:

```
{
  N8N_RUNNERS_AUTO_SHUTDOWN_TIMEOUT = 15;
  N8N_RUNNERS_MAX_CONCURRENCY = 10;
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/n8n.nix>

services.n8n.taskRunners.environment.N8N_RUNNERS_AUTH_TOKEN_FILE
Path to the authentication token file for the task runner.

Type: null or absolute path

Default:

```
config.services.n8n.environment.N8N_RUNNERS_AUTH_TOKEN_FILE
```

Declared by:
<nixpkgs/nixos/modules/services/misc/n8n.nix>

services.n8n.taskRunners.environment.N8N_RUNNERS_TASK_BROKER_URI
URI of the n8n task broker that the runner connects to.

Type: string

Default:

```
"http://${config.services.n8n.environment.N8N_RUNNERS_BROKER_LISTEN \
_ADDRESS}:${config.services.n8n.environment.N8N_RUNNERS_BROKER_PORT \
}"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/n8n.nix>

services.n8n.taskRunners.launcherPackage
The n8n-task-runner-launcher package to use.

Type: package

Default:

```
pkgs.n8n-task-runner-launcher
```

Declared by:
<nixpkgs/nixos/modules/services/misc/n8n.nix>

services.n8n.taskRunners.runners
Configuration for individual task runners.

Type: attribute set of (submodule)

Default:

```
{
  javascript = {
    enable = true;
    command = lib.getExe' config.services.n8n.package "n8n-task-r \
unner";
    healthCheckPort = 5681;
  };
  python = {
    enable = true;
```

```
    command = lib.getExe' config.services.n8n.package "n8n-task-r \
unner-python";
    healthCheckPort = 5682;
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/n8n.nix>

services.n8n.taskRunners.runners.<name>.enable
Whether to enable the ‹name› task runner. Only takes effect when **services.n8n.taskRunners.enable** is true.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/n8n.nix>

services.n8n.taskRunners.runners.<name>.args
Additional command-line arguments to pass to the task runner.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/n8n.nix>

services.n8n.taskRunners.runners.<name>.command
Command to execute for this runner.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/misc/n8n.nix>

services.n8n.taskRunners.runners.<name>.environment
Environment variables specific to this task runner.

Type: attribute set of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/n8n.nix>

services.n8n.taskRunners.runners.<name>.healthCheckPort
Port for the runner's health check server.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Declared by:
<nixpkgs/nixos/modules/services/misc/n8n.nix>

services.nagios.enable

Whether to enable **Nagios** to monitor your system or network.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/nagios.nix>

services.nagios.enableWebInterface

Whether to enable the Nagios web interface. You should also enable Apache (**services.httpd.enable**).

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/nagios.nix>

services.nagios.cgiConfigFile

Derivation for the configuration file of Nagios CGI scripts that can be used in web servers for running the Nagios web interface.

Type: package

Default:

```
nagiosCGICfgFile
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/nagios.nix>

services.nagios.extraConfig

Configuration to add to /etc/nagios.cfg

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  debug_file = "/var/log/nagios/debug.log";
  debug_level = "-1";
}
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/nagios.nix>

services.nagios.mainConfigFile

If non−null, overrides the main configuration file of Nagios.

Type: null or package

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/nagios.nix>

services.nagios.objectDefs
A list of Nagios object configuration files that must define the hosts, host groups, services and contacts for the network that you want Nagios to monitor.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[ ./objects.cfg ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/nagios.nix>

services.nagios.plugins
Packages to be added to the Nagios **PATH**. Typically used to add plugins, but can be anything.

Type: list of package

Default:

```
[pkgs.monitoring-plugins pkgs.msmtp pkgs.mailutils]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/nagios.nix>

services.nagios.validateConfig
if true, the syntax of the nagios configuration file is checked at build time

Type: boolean

Default:

```
pkgs.stdenv.hostPlatform == pkgs.stdenv.buildPlatform
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/nagios.nix>

services.nagios.virtualHost
Apache configuration can be done by adapting **services.httpd.virtualHosts**. See **services.httpd.virtualHosts** for further information.

Type: submodule

Example:

```
{ hostName = "example.org";
  adminAddr = "webmaster@example.org";
  enableSSL = true;
  sslServerCert = "/var/lib/acme/example.org/full.pem";
  sslServerKey = "/var/lib/acme/example.org/key.pem";
}
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/nagios.nix>

services.nagios.virtualHost.enableACME

Whether to ask Let's Encrypt to sign a certificate for this vhost. Alternately, you can use an existing certificate through **useACMEHost**.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/nagios.nix>

services.nagios.virtualHost.enableUserDir

Whether to enable serving *~/public_html* as '/~«username»'.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/nagios.nix>

services.nagios.virtualHost.acmeRoot

Directory for the acme challenge which is PUBLIC, don't put certs or keys in here. Set to null to inherit from config.security.acme.

Type: null or string

Default:

```
"/var/lib/acme/acme-challenge"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/nagios.nix>

services.nagios.virtualHost.addSSL

Whether to enable HTTPS in addition to plain HTTP. This will set defaults for 'listen' to listen on all interfaces on the respective default ports (80, 443).

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/nagios.nix>

services.nagios.virtualHost.adminAddr

E−mail address of the server administrator.

Type: null or string

Default:

```
null
```

Example:

```
"admin@example.org"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/nagios.nix>

services.nagios.virtualHost.documentRoot

The path of Apache's document root directory. If left undefined, an empty directory in the Nix store will be used as root.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/data/webserver/docs"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/nagios.nix>

services.nagios.virtualHost.extraConfig

These lines go to httpd.conf verbatim. They will go after directories and directory aliases defined by default.

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
<Directory /home>
  Options FollowSymlinks
  AllowOverride All
</Directory>
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/nagios.nix>

services.nagios.virtualHost.forceSSL

Whether to add a separate nginx server block that permanently redirects (301) all plain HTTP traffic to HTTPS. This will set defaults for 'listen' to listen on all interfaces on the respective default ports (80, 443), where the non−SSL listens are used for the redirect vhosts.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/nagios.nix>

services.nagios.virtualHost.globalRedirect

If set, all requests for this host are redirected permanently to the given URL.

Type: null or string

Default:

```
null
```

Example:

```
"http://newserver.example.org/"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/nagios.nix>

services.nagios.virtualHost.hostName

Canonical hostname for the server.

Type: string

Default:

```
"‹name›"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/nagios.nix>

services.nagios.virtualHost.http2

Whether to enable HTTP 2. HTTP/2 is supported in all multi−processing modules that come with httpd. *However, if you use the prefork mpm, there will be severe restrictions.* Refer to **https://httpd.apache.org/docs/2.4/howto/http2.html#mpm−config** for details.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/nagios.nix>

services.nagios.virtualHost.listen

Listen addresses and ports for this virtual host.

Note

This option overrides ‘addSSL’, ‘forceSSL’ and ‘onlySSL’.

If you only want to set the addresses manually and not the ports, take a look at ‘listenAddresses’.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    ip = "195.154.1.1";
    port = 443;
    ssl = true;
  }
  {
    ip = "192.154.1.1";
    port = 80;
  }
  {
    ip = "*";
    port = 8080;
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/nagios.nix>

services.nagios.virtualHost.listen.*.ip

IP to listen on. 0.0.0.0 for IPv4 only, * for all.

Type: string

Default:

```
"*"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/nagios.nix>

services.nagios.virtualHost.listen.*.port

Port to listen on

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Declared by:

<nixpkgs/nixos/modules/services/monitoring/nagios.nix>

services.nagios.virtualHost.listen.*.ssl

Whether to enable SSL (https) support.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/nagios.nix>

services.nagios.virtualHost.listenAddresses

Listen addresses for this virtual host. Compared to ‘listen’ this only sets the addresses and the ports are chosen automatically.

Type: non−empty (list of string)

Default:

```
[
  "*"
]
```

Example:

```
[
  "127.0.0.1"
]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/nagios.nix>

services.nagios.virtualHost.locations

Declarative location config. See **https://httpd.apache.org/docs/2.4/mod/core.html#location** for details.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "/" = {
    proxyPass = "http://localhost:3000";
  };
```

```
    "/foo/bar.png" = {
      alias = "/home/eelco/some-file.png";
    };
  };
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/nagios.nix>

services.nagios.virtualHost.locations.<name>.alias
Alias directory for requests. See **https://httpd.apache.org/docs/2.4/mod/mod_alias.html#alias**.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/alias/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/nagios.nix>

services.nagios.virtualHost.locations.<name>.extraConfig
These lines go to the end of the location verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/nagios.nix>

services.nagios.virtualHost.locations.<name>.index
Adds DirectoryIndex directive. See **https://httpd.apache.org/docs/2.4/mod/mod_dir.html#directoryindex**.

Type: null or string

Default:

```
null
```

Example:

```
"index.php index.html"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/nagios.nix>

services.nagios.virtualHost.locations.<name>.priority
Order of this location block in relation to the others in the vhost. The semantics are the same as with ‘lib.mkOrder’. Smaller values have a greater priority.

Type: signed integer

Default:

```
1000
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/nagios.nix>

services.nagios.virtualHost.locations.<name>.proxyPass

Sets up a simple reverse proxy as described by **https://httpd.apache.org/docs/2.4/howto/reverse_proxy.html#simple**.

Type: null or string

Default:

```
null
```

Example:

```
"http://www.example.org/"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/nagios.nix>

services.nagios.virtualHost.logFormat

Log format for Apache's log files. Possible values are: combined, common, referer, agent.

Type: string

Default:

```
"common"
```

Example:

```
"combined"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/nagios.nix>

services.nagios.virtualHost.onlySSL

Whether to enable HTTPS and reject plain HTTP connections. This will set defaults for 'listen' to listen on all interfaces on port 443.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/nagios.nix>

services.nagios.virtualHost.robotsEntries

Specification of pages to be ignored by web crawlers. See **http://www.robotstxt.org/** for details.

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
"Disallow: /foo/"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/nagios.nix>

services.nagios.virtualHost.servedDirs

This option provides a simple way to serve static directories.

Type: list of (attribute set)

Default:

```
[ ]
```

Example:

```
[
  {
    dir = "/home/eelco/Dev/nix-homepage";
    urlPath = "/nix";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/nagios.nix>

services.nagios.virtualHost.servedFiles

This option provides a simple way to serve individual, static files.

Note

This option has been deprecated and will be removed in a future version of NixOS. You can achieve the same result by making use of the ‘locations.<name>.alias’ option.

Type: list of (attribute set)

Default:

```
[ ]
```

Example:

```
[
  {
    file = "/home/eelco/some-file.png";
    urlPath = "/foo/bar.png";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/nagios.nix>

services.nagios.virtualHost.serverAliases

Additional names of virtual hosts served by this virtual host configuration.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
  "www.example.org:8080"
  "example.org"
]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/nagios.nix>

services.nagios.virtualHost.sslServerCert

Path to server SSL certificate.

Type: absolute path

Example:

```
"/var/host.cert"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/nagios.nix>

services.nagios.virtualHost.sslServerChain
Path to server SSL chain file.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/ca.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/nagios.nix>

services.nagios.virtualHost.sslServerKey
Path to server SSL certificate key.

Type: absolute path

Example:

```
"/var/host.key"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/nagios.nix>

services.nagios.virtualHost.useACMEHost
A host of an existing Let's Encrypt certificate to use. This is useful if you have many subdomains and want to avoid hitting the **rate limit**. Alternately, you can generate a certificate through **enableACME**. *Note that this option does not create any certificates, nor it does add subdomains to existing ones – you will need to create them manually using* **security.acme.certs**[2].

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/nagios.nix>

2. see the **security.acme.certs** option

services.namecoind.enable
Whether to enable namecoind, Namecoin client.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/namecoind.nix>

services.namecoind.extraNodes

List of additional peer IP addresses to connect to.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/namecoind.nix>

services.namecoind.generate

Whether to generate (mine) Namecoins.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/namecoind.nix>

services.namecoind.rpc.address

IP address the RPC server will bind to.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/namecoind.nix>

services.namecoind.rpc.allowFrom

List of IP address ranges allowed to use the RPC API. Wiledcards (*) can be user to specify a range.

Type: list of string

Default:

```
[
  "127.0.0.1"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/namecoind.nix>

services.namecoind.rpc.certificate

Certificate file for securing RPC connections.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/lib/namecoind/server.cert"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/namecoind.nix>

services.namecoind.rpc.key

Key file for securing RPC connections.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/lib/namecoind/server.pem"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/namecoind.nix>

services.namecoind.rpc.password

Password for RPC connections.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/namecoind.nix>

services.namecoind.rpc.port

Port the RPC server will bind to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8332
```

Declared by:

<nixpkgs/nixos/modules/services/networking/namecoind.nix>

services.namecoind.rpc.user

User name for RPC connections.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/namecoind.nix>

services.namecoind.trustedNodes

List of the only peer IP addresses to connect to. If specified no other connection will be made.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/namecoind.nix>

services.namecoind.wallet

Wallet file. The ownership of the file has to be namecoin:namecoin, and the permissions must be 0640.

Type: absolute path

Default:

```
"/var/lib/namecoind/wallet.dat"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/namecoind.nix>

services.nar−serve.enable

Whether to enable serving NAR file contents via HTTP.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nar−serve.nix>

services.nar−serve.package

The nar−serve package to use.

Type: package

Default:

```
pkgs.nar−serve
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nar−serve.nix>

services.nar−serve.cacheURL

Binary cache URL to connect to.

The URL format is compatible with the nix remote url style, such as:

- http://, https:// for binary caches via HTTP or HTTPS
- s3:// for binary caches stored in Amazon S3
- gs:// for binary caches stored in Google Cloud Storage

Type: string

Default:

```
"https://cache.nixos.org/"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nar−serve.nix>

services.nar−serve.domain

When set, enables the feature of serving <nar−hash>.<domain> on top of <domain>/nix/store/<nar−hash>−<pname>.

Useful to preview static websites where paths are absolute.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nar−serve.nix>

services.nar−serve.port
Port number where nar−serve will listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8383
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nar−serve.nix>

services.nats.enable
Whether to enable NATS messaging system.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nats.nix>

services.nats.dataDir
The NATS data directory. Only used if JetStream is enabled, for storing stream metadata and messages.

If left as the default value this directory will automatically be created before the NATS server starts, otherwise the sysadmin is responsible for ensuring the directory exists with appropriate ownership and permissions.

Type: absolute path

Default:

```
"/var/lib/nats"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nats.nix>

services.nats.group
Group under which NATS runs.

Type: string

Default:

```
"nats"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nats.nix>

services.nats.jetstream
Whether to enable JetStream.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nats.nix>

services.nats.port

Port on which to listen.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
4222
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nats.nix>

services.nats.serverName

Name of the NATS server, must be unique if clustered.

Type: string

Default:

```
"nats"
```

Example:

```
"n1-c3"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nats.nix>

services.nats.settings

Declarative NATS configuration. See the **NATS documentation** for a list of options.

Type: JSON value

Default:

```
{ }
```

Example:

```
{
  jetstream = {
    max_mem = "1G";
    max_file = "10G";
  };
};
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nats.nix>

services.nats.user

User account under which NATS runs.

Type: string

Default:

```
"nats"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nats.nix>

services.nats.validateConfig

If true, validate nats config at build time. When the config can't be checked during build time, for example when it includes other files, disable this option.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nats.nix>

services.navidrome.enable

Whether to enable Navidrome music server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/audio/navidrome.nix>

services.navidrome.package

The navidrome package to use.

Type: package

Default:

```
pkgs.navidrome
```

Declared by:

<nixpkgs/nixos/modules/services/audio/navidrome.nix>

services.navidrome.environmentFile

Environment file, used to set any secret ND_* environment variables.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/audio/navidrome.nix>

services.navidrome.group

Group under which Navidrome runs.

Type: string

Default:

```
"navidrome"
```

Declared by:

<nixpkgs/nixos/modules/services/audio/navidrome.nix>

services.navidrome.openFirewall

Whether to open the TCP port in the firewall

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/audio/navidrome.nix>

services.navidrome.settings

Configuration for Navidrome, see **https://www.navidrome.org/docs/usage/configuration-options/** for supported values.

Type: open submodule of (JSON value)

Default:

```
{ }
```

Example:

```
{
  MusicFolder = "/mnt/music";
}
```

Declared by:

<nixpkgs/nixos/modules/services/audio/navidrome.nix>

services.navidrome.settings.Address

Address to run Navidrome on.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/audio/navidrome.nix>

services.navidrome.settings.EnableInsightsCollector

Enable anonymous usage data collection, see **https://www.navidrome.org/docs/getting-started/insights/** for details.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/audio/navidrome.nix>

services.navidrome.settings.Port

Port to run Navidrome on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
4533
```

Declared by:

<nixpkgs/nixos/modules/services/audio/navidrome.nix>

services.navidrome.user

User under which Navidrome runs.

Type: string

Default:

```
"navidrome"
```

Declared by:

<nixpkgs/nixos/modules/services/audio/navidrome.nix>

services.nbd.server.enable

Whether to enable the Network Block Device (nbd) server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nbd.nix>

services.nbd.server.exports

Files or block devices to make available over the network.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nbd.nix>

services.nbd.server.exports.<name>.allowAddresses

IPs and subnets that are authorized to connect for this device. If not specified, the server will allow all connections.

Type: null or (list of string)

Default:

```
null
```

Example:

```
[
  "10.10.0.0/24"
  "127.0.0.1"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nbd.nix>

services.nbd.server.exports.<name>.extraOptions

Extra options for this export. See **nbd−server**(5).

Type: attribute set of (boolean or signed integer or floating point number or string)

Default:

```
{
  flush = true;
```

```
  fua = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nbd.nix>

services.nbd.server.exports.<name>.path
File or block device to export.

Type: string

Example:

```
"/dev/sdb1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nbd.nix>

services.nbd.server.extraOptions
Extra options for the server. See **nbd−server**(5).

Type: attribute set of (boolean or signed integer or floating point number or string)

Default:

```
{
  allowlist = false;
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nbd.nix>

services.nbd.server.listenAddress
Address to listen on. If not specified, the server will listen on all interfaces.

Type: null or string

Default:

```
null
```

Example:

```
"10.10.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nbd.nix>

services.nbd.server.listenPort
Port to listen on. The port is NOT automatically opened in the firewall.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
10809
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nbd.nix>

services.ncdns.enable
Whether to enable ncdns, a Go daemon to bridge Namecoin to DNS. To resolve .bit domains set ‘services.namecoind.enable = true;’ and an RPC username/password .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ncdns.nix>

services.ncdns.address

The IP address the ncdns resolver will bind to. Leave this unchanged if you do not wish to directly expose the resolver.

Type: string

Default:

```
"[::1]"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ncdns.nix>

services.ncdns.dnssec.enable

Whether to enable DNSSEC support in ncdns. This will generate KSK and ZSK keypairs (unless provided via the options **services.ncdns.dnssec.publicKey**, **services.ncdns.dnssec.privateKey** etc.) and add a trust anchor to recursive resolvers .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ncdns.nix>

services.ncdns.dnssec.keys.private

Path to the file containing the KSK private key.

Type: absolute path

Default:

```
"/var/lib/ncdns/bit.private"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ncdns.nix>

services.ncdns.dnssec.keys.public

Path to the file containing the KSK public key. The key can be generated using the ‘dnssec−keygen’ command, provided by the package ‘bind’ as follows:

```
$ dnssec−keygen −a RSASHA256 −3 −b 2048 −f KSK bit
```

Type: absolute path

Default:

```
"/var/lib/ncdns/bit.key"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ncdns.nix>

services.ncdns.dnssec.keys.zonePrivate

Path to the file containing the ZSK private key.

Type: absolute path

Default:

```
"/var/lib/ncdns/bit-zone.private"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ncdns.nix>

services.ncdns.dnssec.keys.zonePublic

Path to the file containing the ZSK public key. The key can be generated using the 'dnssec-keygen' command, provided by the package 'bind' as follows:

```
$ dnssec-keygen -a RSASHA256 -3 -b 2048 bit
```

Type: absolute path

Default:

```
"/var/lib/ncdns/bit-zone.key"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ncdns.nix>

services.ncdns.identity.address

The IP address the hostname specified in **services.ncdns.identity.hostname** should resolve to. If you are only using ncdns locally you can ignore this.

Type: string

Default:

```
"127.127.127.127"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ncdns.nix>

services.ncdns.identity.hostmaster

An email address for the SOA record at the bit zone. If you are only using ncdns locally you can ignore this.

Type: string

Default:

```
""
```

Example:

```
"root@example.com"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ncdns.nix>

services.ncdns.identity.hostname

The hostname of this ncdns instance, which defaults to the machine hostname. If specified, ncdns lists the hostname as an NS record at the zone apex:

```
bit. IN NS ns1.example.com.
```

If unset ncdns will generate an internal pseudo-hostname under the zone, which will resolve to the value of **services.ncdns.identity.address**. If you are only using ncdns locally you can ignore this.

Type: string

Default:

```
config.networking.hostName
```

Example:

```
"example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncdns.nix>

services.ncdns.port
The port the ncdns resolver will bind to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5333
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncdns.nix>

services.ncdns.settings
ncdns settings. Use this option to configure ncds settings not exposed in a NixOS option or to bypass one. See the example ncdns.conf file at **https://github.com/namecoin/ncdns/blob/master/_doc/ncdns.conf.example** for the available options.

Type: TOML value

Default:

```
{ }
```

Example:

```
{ # enable webserver
  ncdns.httplistenaddr = ":8202";
  # synchronize TLS certs
  certstore.nss = true;
  # note: all paths are relative to the config file
  certstore.nsscertdir =  "../../var/lib/ncdns";
  certstore.nssdbdir = "../../home/alice/.pki/nssdb";
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncdns.nix>

services.ncps.enable
Whether to enable ncps: Nix binary cache proxy service implemented in Go.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.package
The ncps package to use.

Type: package

Default:

```
pkgs.ncps
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.analytics.reporting.enable
Enable reporting anonymous usage statistics (DB type, Lock type, Total Size) to the project maintainers.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.analytics.reporting.samples
Whether to enable Enable printing the analytics samples to stdout. This is useful for debugging and verification purposes only…

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.allowDeleteVerb
Whether to enable Whether to allow the DELETE verb to delete narinfo and nar files from the cache. .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.allowPutVerb
Whether to enable Whether to allow the PUT verb to push narinfo and nar files directly to the cache. .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.cdc.enabled
Whether to enable Whether to enable Content−Defined Chunking (CDC) for deduplication (experimental). .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.cdc.avg
The average chunk size for CDC in bytes.

Type: 32 bit unsigned integer; between 0 and 4294967295 (both inclusive)

Default:

```
65536
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.cdc.max
The maximum chunk size for CDC in bytes.

Type: 32 bit unsigned integer; between 0 and 4294967295 (both inclusive)

Default:

```
262144
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.cdc.min
The minimum chunk size for CDC in bytes.

Type: 32 bit unsigned integer; between 0 and 4294967295 (both inclusive)

Default:

```
16384
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.database.pool.maxIdleConns
Maximum number of idle connections in the pool (0 = use database−specific defaults).

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.database.pool.maxOpenConns

Maximum number of open connections to the database (0 = use database−specific defaults).

Type: signed integer

Default:

Declared by:

<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.databaseURL

The URL of the database (currently only SQLite is supported)

Type: null or string

Default:

```
"sqlite:/var/lib/ncps/db/db.sqlite"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.databaseURLFile

File containing the URL of the database.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.hostName

The hostname of the cache server. **This is used to generate the private key used for signing store paths (.narinfo)**

Type: string

Declared by:

<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.lock.allowDegradedMode

Allow falling back to local locks if Redis is unavailable (WARNING: breaks HA guarantees).

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.lock.backend

Lock backend to use: ‘local’ (single instance), ‘redis’ (distributed).

Type: one of “local”, “redis”

Default:

```
"local"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.lock.downloadTTL
TTL for download locks (per−hash locks).

Type: string

Default:

```
"5m0s"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.lock.lruTTL
TTL for LRU lock (global exclusive lock).

Type: string

Default:

```
"30m0s"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.lock.redisKeyPrefix
Prefix for all Redis lock keys (only used when Redis is configured).

Type: string

Default:

```
"ncps:lock:"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.lock.retry.initialDelay
Initial retry delay for distributed locks.

Type: string

Default:

```
"100ms"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.lock.retry.jitter
Enable jitter in retry delays to prevent thundering herd.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.lock.retry.maxAttempts
Maximum number of retry attempts for distributed locks.

Type: signed integer

Default:

```
3
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.lock.retry.maxDelay
Maximum retry delay for distributed locks (exponential backoff caps at this).

Type: string

Default:

```
"2s"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.lru.schedule
The cron spec for cleaning the store to keep it under config.ncps.cache.maxSize. Refer to https://pkg.go.dev/github.com/robfig/cron/v3#hdr−Usage for documentation.

Type: null or string

Default:

```
null
```

Example:

```
"0 2 * * *"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.lru.scheduleTimeZone
The name of the timezone to use for the cron schedule. See **https://en.wikipedia.org/wiki/List_of_tz_database_time_zones** for a comprehensive list of possible values for this setting.

Type: string

Default:

```
"Local"
```

Example:

```
"America/Los_Angeles"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.maxSize
The maximum size of the store. It can be given with units such as 5K, 10G etc. Supported units: B, K, M, G, T.

Type: null or string

Default:

```
null
```

Example:

```
"100G"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.redis
Configure Redis.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.redis.addresses
A list of host:port for the Redis servers that are part of a cluster. To use a single Redis instance, just set this to its single address.

Type: list of string

Default:

```
[ ]
```

Example:

```
["redis0:6379" "redis1:6379"]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.redis.database
Redis database number (0−15)

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.redis.password
Redis password for authentication (for Redis ACL).

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.redis.passwordFile
File containing the redis password for authentication (for Redis ACL).

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.redis.poolSize
Redis connection pool size.

Type: signed integer

Default:

```
10
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.redis.useTLS
Use TLS for Redis connection.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.redis.username
Redis username for authentication (for Redis ACL).

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.secretKeyPath
The path to load the secretKey for signing narinfos. Leave this empty to automatically generate a private/public key.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.signNarinfo
Whether to sign narInfo files or passthru as−is from upstream

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.storage.local
The local directory for storing configuration and cached store paths. This is ignored if services.ncps.cache.storage.s3 is not null.

Type: absolute path

Default:

```
"/var/lib/ncps"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.storage.s3
Use S3 for storage instead of local storage.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.storage.s3.accessKeyIdPath
The path to a file containing only the access−key−id.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.storage.s3.bucket
The name of the S3 bucket.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.storage.s3.endpoint
S3−compatible endpoint URL with scheme.

Type: string

Example:

```
"https://s3.amazonaws.com"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.storage.s3.forcePathStyle
Force path−style S3 addressing (bucket/key vs key.bucket).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.storage.s3.region
The S3 region.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.storage.s3.secretAccessKeyPath
The path to a file containing only the secret−access−key.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.tempPath
The path to the temporary directory that is used by the cache to download NAR files

Type: absolute path

Default:

```
"/tmp"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.upstream.dialerTimeout
Timeout for establishing TCP connections to upstream caches (e.g., 3s, 5s, 10s).

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.upstream.publicKeys
A list of public keys of upstream caches in the format ‘host[−[0−9]*]:public−key’. This flag is used to verify the signatures of store paths downloaded from upstream caches.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "cache.nixos.org−1:6NCHdD59X431o0gWypbMrAURkbJ16ZPMQFGspcDShjY="
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.upstream.responseHeaderTimeout
Timeout for waiting for upstream server’s response headers.

Type: null or string

Default:

```
null
```

Example:

```
"5s"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.cache.upstream.urls
A list of URLs of upstream binary caches.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "https://cache.nixos.org"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.logLevel
Set the level for logging. Refer to **https://pkg.go.dev/github.com/rs/zerolog#readme-leveled-logging** for more information.

Type: one of “trace”, “debug”, “info”, “warn”, “error”, “fatal”, “panic”

Default:

```
"info"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.netrcFile
The path to netrc file for upstream authentication. When unspecified ncps will look for ``$HOME/.netrc`.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/etc/nix/netrc"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.openTelemetry.enable
Whether to enable Enable OpenTelemetry logs, metrics, and tracing.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.openTelemetry.grpcURL
Configure OpenTelemetry gRPC URL. Missing or “https” scheme enables secure gRPC, “insecure” otherwise. Omit to emit telemetry to stdout.

Type: null or string

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.prometheus.enable
Whether to enable Enable Prometheus metrics endpoint at /metrics.

Type: boolean

Default:

`false`

Example:

`true`

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ncps.server.addr
The address and port the server listens on.

Type: string

Default:

`":8501"`

Declared by:
<nixpkgs/nixos/modules/services/networking/ncps.nix>

services.ndppd.enable
Whether to enable daemon that proxies NDP (Neighbor Discovery Protocol) messages between interfaces.

Type: boolean

Default:

`false`

Example:

`true`

Declared by:
<nixpkgs/nixos/modules/services/networking/ndppd.nix>

services.ndppd.configFile
Path to configuration file.

Type: null or absolute path

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/networking/ndppd.nix>

services.ndppd.interface
Interface which is on link−level with router. (Legacy option, use services.ndppd.proxies.<interface>.rules.<network> instead)

Type: null or string

Default:

```
null
```

Example:

```
"eth0"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ndppd.nix>

services.ndppd.network
Network that we proxy. (Legacy option, use services.ndppd.proxies.<interface>.rules.<network> instead)

Type: null or string

Default:

```
null
```

Example:

```
"1111::/64"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ndppd.nix>

services.ndppd.proxies
This sets up a listener, that will listen for any Neighbor Solicitation messages, and respond to them according to a set of rules.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  eth0.rules."1111::/64" = {};
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ndppd.nix>

services.ndppd.proxies.<name>.interface
Listen for any Neighbor Solicitation messages on this interface, and respond to them according to a set of rules. Defaults to the name of the attrset.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ndppd.nix>

services.ndppd.proxies.<name>.router
Turns on or off the router flag for Neighbor Advertisement Messages.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ndppd.nix>

services.ndppd.proxies.<name>.rules
This is a rule that the target address is to match against. If no netmask is provided, /128 is assumed. You may have several rule sections, and the addresses may or may not overlap.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ndppd.nix>

services.ndppd.proxies.<name>.rules.<name>.interface
Interface to use when method is iface.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ndppd.nix>

services.ndppd.proxies.<name>.rules.<name>.method
static: Immediately answer any Neighbor Solicitation Messages (if they match the IP rule). iface: Forward the Neighbor Solicitation Message through the specified interface and only respond if a matching Neighbor Advertisement Message is received. auto: Same as iface, but instead of manually specifying the outgoing interface, check for a matching route in /proc/net/ipv6_route.

Type: one of “static”, “iface”, “auto”

Default:

```
"auto"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ndppd.nix>

services.ndppd.proxies.<name>.rules.<name>.network
This is the target address is to match against. If no netmask is provided, /128 is assumed. The addresses of several rules may or may not overlap. Defaults to the name of the attrset.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ndppd.nix>

services.ndppd.proxies.<name>.timeout
Controls how long to wait for a Neighbor Advertisement Message before invalidating the entry, in milliseconds.

Type: signed integer

Default:

```
500
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ndppd.nix>

services.ndppd.proxies.<name>.ttl
Controls how long a valid or invalid entry remains in the cache, in milliseconds.

Type: signed integer

Default:

```
30000
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ndppd.nix>

services.ndppd.routeTTL
This tells 'ndppd' how often to reload the route file /proc/net/ipv6_route, in milliseconds.

Type: signed integer

Default:

```
30000
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ndppd.nix>

services.neard.enable
Whether to enable neard, an NFC daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/neard.nix>

services.neard.settings
Neard INI−style configuration file as a Nix attribute set.

See the upstream **configuration file**.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/neard.nix>

services.neard.settings.General.ConstantPoll
Enable constant polling. Constant polling will automatically trigger a new polling loop whenever a tag or a device is no longer in the RF field.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/neard.nix>

services.neard.settings.General.DefaultPowered
Automatically turn an adapter on when being discovered.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/neard.nix>

services.neard.settings.General.ResetOnError
Power cycle the adapter when getting a driver error from the kernel.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/neard.nix>

services.nebula.networks
Nebula network definitions.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nebula.nix>

services.nebula.networks.<name>.enable
Enable or disable this network.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nebula.nix>

services.nebula.networks.<name>.enableReload
Enable automatic config reload on config change. This setting is not enabled by default as nix cannot determine if the config change is reloadable. Please refer to the **config reference** for documentation on reloadable changes.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nebula.nix>

services.nebula.networks.<name>.package

The nebula package to use.

Type: package

Default:

```
pkgs.nebula
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nebula.nix>

services.nebula.networks.<name>.ca

Path to the certificate authority certificate.

Type: absolute path

Example:

```
"/etc/nebula/ca.crt"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nebula.nix>

services.nebula.networks.<name>.cert

Path to the host certificate.

Type: absolute path

Example:

```
"/etc/nebula/host.crt"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nebula.nix>

services.nebula.networks.<name>.firewall.inbound

Firewall rules for inbound traffic.

Type: list of (attribute set)

Default:

```
[ ]
```

Example:

```
[
  {
    host = "any";
    port = "any";
    proto = "any";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nebula.nix>

services.nebula.networks.<name>.firewall.outbound

Firewall rules for outbound traffic.

Type: list of (attribute set)

Default:

```
[ ]
```

Example:

```
[
  {
    host = "any";
    port = "any";
    proto = "any";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nebula.nix>

services.nebula.networks.<name>.isLighthouse
Whether this node is a lighthouse.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nebula.nix>

services.nebula.networks.<name>.isRelay
Whether this node is a relay.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nebula.nix>

services.nebula.networks.<name>.key
Path or reference to the host key.

Type: non−empty string or absolute path

Example:

```
"/etc/nebula/host.key"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nebula.nix>

services.nebula.networks.<name>.lighthouse.dns.enable
Whether this lighthouse node should serve DNS.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nebula.nix>

services.nebula.networks.<name>.lighthouse.dns.host
IP address on which nebula lighthouse should serve DNS. ‘localhost’ is a good default to ensure the service does not listen on public interfaces; use a Nebula address like 10.0.0.5 to make DNS resolution available to nebula hosts only.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nebula.nix>

services.nebula.networks.<name>.lighthouse.dns.port
UDP port number for lighthouse DNS server.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5353
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nebula.nix>

services.nebula.networks.<name>.lighthouses
List of IPs of lighthouse hosts this node should report to and query from. This should be empty on lighthouse nodes. The IPs should be the lighthouse's Nebula IPs, not their external IPs.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "192.168.100.1"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nebula.nix>

services.nebula.networks.<name>.listen.host
IP address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nebula.nix>

services.nebula.networks.<name>.listen.port
Port number to listen on.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
if (config.services.nebula.networks.${name}.isLighthouse ||
    config.services.nebula.networks.${name}.isRelay) then
  4242
else
  0;
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nebula.nix>

services.nebula.networks.<name>.relays

List of IPs of relays that this node should allow traffic from.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "192.168.100.1"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nebula.nix>

services.nebula.networks.<name>.settings

Nebula configuration. Refer to **https://github.com/slackhq/nebula/blob/master/examples/config.yml** for details on supported values.

Type: YAML 1.1 value

Default:

```
{ }
```

Example:

```
{
  lighthouse.interval = 15;
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nebula.nix>

services.nebula.networks.<name>.staticHostMap

The static host map defines a set of hosts with fixed IP addresses on the internet (or any network). A host can have multiple fixed IP addresses defined here, and nebula will try each when establishing a tunnel.

Type: attribute set of list of string

Default:

```
{ }
```

Example:

```
{
  "192.168.100.1" = [
    "100.64.22.11:4242"
  ];
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nebula.nix>

services.nebula.networks.<name>.tun.device

Name of the tun device. Defaults to nebula.${networkName}.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nebula.nix>

services.nebula.networks.<name>.tun.disable
When tun is disabled, a lighthouse can be started without a local tun interface (and therefore without root).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nebula.nix>

services.nebula−lighthouse−service.enable
Whether to enable nebula−lighthouse−service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nebula−lighthouse−service.nix>

services.nebula−lighthouse−service.settings
Configuration for nebula−lighthouse−service.

Type: YAML 1.1 value

Default:

```
{ }
```

Example:

```
{
  max−port = 65535;
  min−port = 49152;
  "webserver.ip" = "127.0.0.1";
  "webserver.port" = 8080;
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nebula−lighthouse−service.nix>

services.nebula−lighthouse−service.user
The user and group to run nebula−lighthouse−service as.

Type: string

Default:

```
"nebula−lighthouse"
```

Example:

```
"nebula−lighthouse"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nebula−lighthouse−service.nix>

services.neo4j.enable
Whether to enable Neo4j Community Edition.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/databases/neo4j.nix>

services.neo4j.package
The neo4j package to use.

Type: package

Default:

```
pkgs.neo4j
```

Declared by:
<nixpkgs/nixos/modules/services/databases/neo4j.nix>

services.neo4j.bolt.enable
Enable the BOLT connector for Neo4j. Setting this option to ‘false’ will stop Neo4j from listening for incoming connections on the BOLT port (7687 by default).

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/databases/neo4j.nix>

services.neo4j.bolt.advertisedAddress
Neo4j advertised address for BOLT traffic. The advertised address is expressed in the format ‘<ip−address>:<port−number>’.

Type: string

Default:

```
config.services.neo4j.bolt.listenAddress
```

Declared by:
<nixpkgs/nixos/modules/services/databases/neo4j.nix>

services.neo4j.bolt.listenAddress
Neo4j listen address for BOLT traffic. The listen address is expressed in the format ‘<ip−address>:<port−number>’.

Type: string

Default:

```
":7687"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/neo4j.nix>

services.neo4j.bolt.sslPolicy

Neo4j SSL policy for BOLT traffic.

The legacy policy is a special policy which is not defined in the policy configuration section, but rather derives from **directories.certificates** and associated files (by default: *neo4j.key* and *neo4j.cert*). Its use will be deprecated.

Note: This connector must be configured to support/require SSL/TLS for the legacy policy to actually be utilized. See **bolt.tlsLevel**.

Type: string

Default:

```
"legacy"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/neo4j.nix>

services.neo4j.bolt.tlsLevel

SSL/TSL requirement level for BOLT traffic.

Type: one of “REQUIRED”, “OPTIONAL”, “DISABLED”

Default:

```
"OPTIONAL"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/neo4j.nix>

services.neo4j.constrainLoadCsv

Sets the root directory for file URLs used with the Cypher ‘LOAD CSV’ clause to be that defined by **directories.imports**. It restricts access to only those files within that directory and its subdirectories.

Setting this option to ‘false’ introduces possible security problems.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/databases/neo4j.nix>

services.neo4j.defaultListenAddress

Default network interface to listen for incoming connections. To listen for connections on all interfaces, use “0.0.0.0”.

Specifies the default IP address and address part of connector specific **listenAddress** options. To bind specific connectors to a specific network interfaces, specify the entire **listenAddress** option for that connector.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/neo4j.nix>

services.neo4j.directories.certificates

Directory for storing certificates to be used by Neo4j for TLS connections.

When setting this directory to something other than its default, ensure the directory's existence, and that read/write permissions are given to the Neo4j daemon user 'neo4j'.

Note that changing this directory from its default will prevent the directory structure required for each SSL policy from being automatically generated. A policy's directory structure as defined by its **baseDirectory**,**revokedDir** and **trustedDir** must then be setup manually. The existence of these directories is mandatory, as well as the presence of the certificate file and the private key. Ensure the correct permissions are set on these directories and files.

Type: absolute path

Default:

```
"${config.services.neo4j.directories.home}/certificates"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/neo4j.nix>

services.neo4j.directories.data

Path of the data directory. You must not configure more than one Neo4j installation to use the same data directory.

When setting this directory to something other than its default, ensure the directory's existence, and that read/write permissions are given to the Neo4j daemon user 'neo4j'.

Type: absolute path

Default:

```
"${config.services.neo4j.directories.home}/data"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/neo4j.nix>

services.neo4j.directories.home

Path of the Neo4j home directory. Other default directories are subdirectories of this path. This directory will be created if non−existent, and its ownership will be **chown** to the Neo4j daemon user 'neo4j'.

Type: absolute path

Default:

```
"/var/lib/neo4j"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/neo4j.nix>

services.neo4j.directories.imports

The root directory for file URLs used with the Cypher 'LOAD CSV' clause. Only meaningful when **constrainLoadCvs** is set to 'true'.

When setting this directory to something other than its default, ensure the directory's existence, and that read permission is given to the Neo4j daemon user 'neo4j'.

Type: absolute path

Default:

```
"${config.services.neo4j.directories.home}/import"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/neo4j.nix>

services.neo4j.directories.plugins

Path of the database plugin directory. Compiled Java JAR files that contain database procedures will be loaded if they are placed in this directory.

When setting this directory to something other than its default, ensure the directory's existence, and that read permission is given to the Neo4j daemon user 'neo4j'.

Type: absolute path

Default:

```
"${config.services.neo4j.directories.home}/plugins"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/neo4j.nix>

services.neo4j.extraServerConfig

Extra configuration for Neo4j Community server. Refer to the **complete reference** of Neo4j configuration settings.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/databases/neo4j.nix>

services.neo4j.http.enable

Enable the HTTP connector for Neo4j. Setting this option to 'false' will stop Neo4j from listening for incoming connections on the HTTPS port (7474 by default).

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/databases/neo4j.nix>

services.neo4j.http.advertisedAddress

Neo4j advertised address for HTTP traffic. The advertised address is expressed in the format '<ip−address>:<port−number>'.

Type: string

Default:

```
config.services.neo4j.http.listenAddress
```

Declared by:

<nixpkgs/nixos/modules/services/databases/neo4j.nix>

services.neo4j.http.listenAddress

Neo4j listen address for HTTP traffic. The listen address is expressed in the format '<ip−address>:<port−number>'.

Type: string

Default:

```
":7474"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/neo4j.nix>

services.neo4j.https.enable
Enable the HTTPS connector for Neo4j. Setting this option to 'false' will stop Neo4j from listening for incoming connections on the HTTPS port (7473 by default).

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/databases/neo4j.nix>

services.neo4j.https.advertisedAddress
Neo4j advertised address for HTTPS traffic. The advertised address is expressed in the format '<ip−address>:<port−number>'.

Type: string

Default:

```
config.services.neo4j.https.listenAddress
```

Declared by:
<nixpkgs/nixos/modules/services/databases/neo4j.nix>

services.neo4j.https.listenAddress
Neo4j listen address for HTTPS traffic. The listen address is expressed in the format '<ip−address>:<port−number>'.

Type: string

Default:

```
":7473"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/neo4j.nix>

services.neo4j.https.sslPolicy
Neo4j SSL policy for HTTPS traffic.

The legacy policy is a special policy which is not defined in the policy configuration section, but rather derives from **directories.certificates** and associated files (by default: *neo4j.key* and *neo4j.cert*). Its use will be deprecated.

Type: string

Default:

```
"legacy"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/neo4j.nix>

services.neo4j.readOnly
Only allow read operations from this Neo4j instance.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/databases/neo4j.nix>

services.neo4j.shell.enable
Enable a remote shell server which Neo4j Shell clients can log in to. Only applicable to **neo4j−shell**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/databases/neo4j.nix>

services.neo4j.ssl.policies
Defines the SSL policies for use with Neo4j connectors. Each attribute of this set defines a policy, with the attribute name defining the name of the policy and its namespace. Refer to the operations manual section on Neo4j's **SSL Framework** for further details.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/databases/neo4j.nix>

services.neo4j.ssl.policies.<name>.allowKeyGeneration
Allows the generation of a private key and associated self−signed certificate. Only performed when both objects cannot be found for this policy. It is recommended to turn this off again after keys have been generated.

The public certificate is required to be duplicated to the directory holding trusted certificates as defined by the **trustedDir** option.

Keys should in general be generated and distributed offline by a trusted certificate authority and not by utilizing this mode.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/databases/neo4j.nix>

services.neo4j.ssl.policies.<name>.baseDirectory
The mandatory base directory for cryptographic objects of this policy. This path is only automatically generated when this option as well as **directories.certificates** are left at their default. Ensure read/write permissions are given to the Neo4j daemon user 'neo4j'.

It is also possible to override each individual configuration with absolute paths. See the **privateKey** and **publicCertificate** policy options.

Type: absolute path

Default:

```
"${config.services.neo4j.directories.certificates}/${name}"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/neo4j.nix>

services.neo4j.ssl.policies.<name>.ciphers

Restrict the allowed ciphers of this policy to those defined here. The default ciphers are those of the JVM platform.

Type: null or (list of string)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/databases/neo4j.nix>

services.neo4j.ssl.policies.<name>.clientAuth

The client authentication stance for this policy.

Type: one of “NONE”, “OPTIONAL”, “REQUIRE”

Default:

```
"REQUIRE"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/neo4j.nix>

services.neo4j.ssl.policies.<name>.privateKey

The name of private PKCS #8 key file for this policy to be found in the **baseDirectory**, or the absolute path to the key file. It is mandatory that a key can be found or generated.

Type: string

Default:

```
"private.key"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/neo4j.nix>

services.neo4j.ssl.policies.<name>.publicCertificate

The name of public X.509 certificate (chain) file in PEM format for this policy to be found in the **baseDirectory**, or the absolute path to the certificate file. It is mandatory that a certificate can be found or generated.

The public certificate is required to be duplicated to the directory holding trusted certificates as defined by the **trustedDir** option.

Type: string

Default:

```
"public.crt"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/neo4j.nix>

services.neo4j.ssl.policies.<name>.revokedDir

Path to directory of CRLs (Certificate Revocation Lists) in PEM format. Must be an absolute path. The existence of this directory is mandatory and will need to be created manually when: setting this option to something other than its default; setting either this policy’s **baseDirectory** or **directories.certificates** to something other than their default. Ensure read/write permissions are given to the Neo4j daemon user ‘neo4j’.

Type: absolute path

Default:

```
"${config.services.neo4j.ssl.policies.<name>.baseDirectory}/revoked \
```

```
"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/neo4j.nix>

services.neo4j.ssl.policies.<name>.tlsVersions
Restrict the TLS protocol versions of this policy to those defined here.

Type: list of string

Default:

```
[
  "TLSv1.2"
]
```

Declared by:
<nixpkgs/nixos/modules/services/databases/neo4j.nix>

services.neo4j.ssl.policies.<name>.trustAll
Makes this policy trust all remote parties. Enabling this is not recommended and the policy's trusted directory will be ignored. Use of this mode is discouraged. It would offer encryption but no security.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/databases/neo4j.nix>

services.neo4j.ssl.policies.<name>.trustedDir
Path to directory of X.509 certificates in PEM format for trusted parties. Must be an absolute path. The existence of this directory is mandatory and will need to be created manually when: setting this option to something other than its default; setting either this policy's **baseDirectory** or **directories.certificates** to something other than their default. Ensure read/write permissions are given to the Neo4j daemon user 'neo4j'.

The public certificate as defined by **publicCertificate** is required to be duplicated to this directory.

Type: absolute path

Default:

```
"${config.services.neo4j.ssl.policies.<name>.baseDirectory}/trusted \
"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/neo4j.nix>

services.neo4j.workerCount
Number of Neo4j worker threads, where the default of '0' indicates a worker count equal to the number of available processors.

Type: integer between 0 and 44738 (both inclusive)

Default:

Declared by:
<nixpkgs/nixos/modules/services/databases/neo4j.nix>

services.netatalk.enable

Whether to enable the Netatalk AFP fileserver.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/netatalk.nix>

services.netatalk.extmap

File name extension mappings. See **extmap.conf**(5). for more information.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/netatalk.nix>

services.netatalk.port

TCP port to be used for AFP.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
548
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/netatalk.nix>

services.netatalk.settings

Configuration for Netatalk. See **afp.conf**(5).

Type: attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Example:

```
{
  Global = {
    "uam list" = "uams_guest.so";
  };
  Homes = {
    "basedir regex" = "/home";
    path = "afp−data";
  };
  example−volume = {
    path = "/srv/volume";
    "read only" = true;
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/netatalk.nix>

services.netbird.enable
Enables backward−compatible NetBird client service.

This is strictly equivalent to:

```
services.netbird.clients.default = {
  port = 51820;
  name = "netbird";
  interface = "wt0";
  hardened = false;
};
```

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.package
The netbird package to use.

Type: package

Default:

```
pkgs.netbird
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.clients
Attribute set of NetBird client daemons, by default each one will:

1. be manageable using dedicated tooling:
   - ‘netbird−<name>’ script,
   - ‘NetBird − netbird−<name>’ graphical interface when appropriate (see ‘ui.enable’),
2. run as a ‘netbird−<name>.service’,
3. listen for incoming remote connections on the port ‘51820’ (‘openFirewall’ by default),
4. manage the ‘netbird−<name>’ wireguard interface,
5. use the */var/lib/netbird−<name>/config.json* configuration file,
6. override */var/lib/netbird−<name>/config.json* with values from */etc/netbird−<name>/config.d/*.json*,
7. (‘hardened’) be locally manageable by ‘netbird−<name>’ system group,

With following caveats:

- multiple daemons will interfere with each other’s DNS resolution of ‘netbird.cloud’, but should remain fully operational otherwise. Setting up custom (non−conflicting) DNS zone is currently possible only when self−hosting.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  services.netbird.clients.wt0.port = 51820;
```

```
  services.netbird.clients.personal.port = 51821;
  services.netbird.clients.work1.port = 51822;
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.clients.<name>.autoStart
Start the service with the system.

As of 2024−02−13 it is not possible to start a NetBird client daemon without immediately connecting to the network, but it is **planned for a near future**.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.clients.<name>.bin.suffix
A system group name for this client instance.

Type: string

Default:

```
"‹name›"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.clients.<name>.config
Additional configuration that exists before the first start and later overrides the existing values in *config.json*.

It is mostly helpful to manage configuration ignored/not yet implemented outside of ‘netbird up’ invocation.

WARNING: this is not an upstream feature, it could break in the future (by having lower priority) after upstream implements an equivalent.

It is implemented as a ‘preStart’ script which overrides *config.json* with content of */etc/netbird−‹name›/config.d/*.json* files. This option manages specifically *50−nixos.json* file.

Consult **the source code** or inspect existing file for a complete list of available configurations.

Type: JSON value

Default:

```
{
  DisableAutoConnect = !client.autoStart;
  WgIface = client.interface;
  WgPort = client.port;
} // optionalAttrs (client.dns−resolver.address != null) {
  CustomDNSAddress = "${client.dns−resolver.address}:${toString cl \
ient.dns−resolver.port}";
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.clients.<name>.dir.baseName

A systemd service name to use (without '.service' suffix).

Type: string

Default:

```
"netbird-‹name›"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.clients.<name>.dir.runtime

A runtime directory used by NetBird client.

Type: absolute path

Default:

```
"/var/run/netbird-‹name›"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.clients.<name>.dir.state

A state directory used by NetBird client to store *config.json*, *state.json* & *resolv.conf*.

Type: absolute path

Default:

```
"/var/lib/netbird-‹name›"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.clients.<name>.dns-resolver.address

An explicit address that NetBird will serve '*.netbird.cloud.' (usually) entries on.

NetBird serves DNS on it's own (dynamic) client address by default.

Type: null or string

Default:

```
null
```

Example:

```
"127.0.0.123"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.clients.<name>.dns-resolver.port

A port to serve DNS entries on when 'dns-resolver.address' is enabled.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
53
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.clients.<name>.environment

Environment for the netbird service, used to pass configuration options.

Type: attribute set of string

Default:

```
{
  NB_STATE_DIR = client.dir.state;
  NB_CONFIG = "${client.dir.state}/config.json";
  NB_DAEMON_ADDR = "unix://${client.dir.runtime}/sock";
  NB_INTERFACE_NAME = client.interface;
  NB_LOG_FILE = mkOptionDefault "console";
  NB_LOG_LEVEL = client.logLevel;
  NB_SERVICE = client.service.name;
  NB_WIREGUARD_PORT = toString client.port;
} // optionalAttrs (client.dns-resolver.address != null) {
  NB_DNS_RESOLVER_ADDRESS = "${client.dns-resolver.address}:${toSt \
ring client.dns-resolver.port}";
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.clients.<name>.hardened

Hardened service:

- runs as a dedicated user with minimal set of permissions (see caveats),
- restricts daemon configuration socket access to dedicated user group (you can grant access to it with ‘users.users."<user>".extraGroups = [netbird-‹name›]’),

Even though the local system resources access is restricted:

- ‘CAP_NET_RAW’, ‘CAP_NET_ADMIN’ and ‘CAP_BPF’ still give unlimited network manipulation possibilites,
- older kernels don’t have ‘CAP_BPF’ and use ‘CAP_SYS_ADMIN’ instead,

Known security features that are not (yet) integrated into the module:

- 2024-02-14: ‘rosenpass’ is an experimental feature configurable solely through ‘--enable-rosenpass’ flag on the ‘netbird up’ command, see **the docs**

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.clients.<name>.interface

Name of the network interface managed by this client.

Type: string

Default:

```
"nb-‹name›"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.clients.<name>.logLevel

Log level of the NetBird daemon.

Type: one of “panic”, “fatal”, “error”, “warn”, “warning”, “info”, “debug”, “trace”

Default:

```
"info"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.clients.<name>.login.enable

Whether to enable automated login for NetBird client.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.clients.<name>.login.setupKeyFile

A Setup Key file path used for automated login of the machine.

Type: null or string

Default:

```
null
```

Example:

```
"/run/secrets/netbird-priv/setup-key"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.clients.<name>.login.systemdDependencies

Additional systemd dependencies required to succeed before the Setup Key file becomes available.

Type: list of string

Default:

```
[ ]
```

Example:

```
[ "sops-install-secrets.service" ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.clients.<name>.name

Primary name for use (as a suffix) in:

- systemd service name,
- hardened user name and group,
- **systemd** ‘*Directory=’ names,
- desktop application identification,

Type: string

Default:

```
"‹name›"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.clients.<name>.openFirewall
Opens up firewall ‘port’ for communication between NetBird peers directly over LAN or public IP, without using (internet−hosted) TURN servers as intermediaries.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.clients.<name>.openInternalFirewall
Opens up internal firewall ports for the NetBird’s network interface.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.clients.<name>.port
Port the NetBird client listens on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Example:

```
51820
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.clients.<name>.service.name
A systemd service name to use (without ‘.service’ suffix).

Type: string

Default:

```
"netbird−‹name›"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.clients.<name>.suffixedName
A systemd service name to use (without ‘.service’ suffix).

Type: string

Default:

```
"netbird−‹name›"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.clients.<name>.ui.enable

Controls presence of ‘netbird−ui’ wrapper for this NetBird client.

Type: boolean

Default:

```
client.ui.enable
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.clients.<name>.user.group

A system group name for this client instance.

Type: string

Default:

```
"netbird−‹name›"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.clients.<name>.user.name

A system user name for this client instance.

Type: string

Default:

```
"netbird−‹name›"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.server.enable

Whether to enable Netbird Server stack, comprising the dashboard, management API and signal service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird/server.nix>

services.netbird.server.enableNginx

Whether to enable Nginx reverse−proxy for the netbird server services.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird/server.nix>

services.netbird.server.coturn.enable

Whether to enable a Coturn server for Netbird, will also open the firewall on the configured range.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird/coturn.nix>

services.netbird.server.coturn.domain

The domain under which the coturn server runs.

Type: string

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird/coturn.nix>

services.netbird.server.coturn.openPorts

The list of ports used by coturn for listening to open in the firewall.

Type: list of 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
with config.services.coturn; [
  listening-port
  alt-listening-port
  tls-listening-port
  alt-tls-listening-port
];
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird/coturn.nix>

services.netbird.server.coturn.password

The password of the user used by netbird to connect to the coturn server. Be advised this will be world readable in the nix store.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird/coturn.nix>

services.netbird.server.coturn.passwordFile

The path to a file containing the password of the user used by netbird to connect to the coturn server.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird/coturn.nix>

services.netbird.server.coturn.useAcmeCertificates

Whether to use ACME certificates corresponding to the given domain for the server.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird/coturn.nix>

services.netbird.server.coturn.user

The username used by netbird to connect to the coturn server.

Type: string

Default:

```
"netbird"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird/coturn.nix>

services.netbird.server.dashboard.enable

Whether to enable the static netbird dashboard frontend.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird/dashboard.nix>

services.netbird.server.dashboard.enableNginx

Whether to enable Nginx reverse−proxy to serve the dashboard.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird/dashboard.nix>

services.netbird.server.dashboard.package

The netbird−dashboard package to use.

Type: package

Default:

```
pkgs.netbird-dashboard
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird/dashboard.nix>

services.netbird.server.dashboard.domain
The domain under which the dashboard runs.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird/dashboard.nix>

services.netbird.server.dashboard.finalDrv
The derivation containing the final templated dashboard.

Type: package *(read only)*

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird/dashboard.nix>

services.netbird.server.dashboard.managementServer
The address of the management server, used for the API endpoints.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird/dashboard.nix>

services.netbird.server.dashboard.settings
An attribute set that will be used to substitute variables when building the dashboard. Any values set here will be templated into the frontend and be public for anyone that can reach your website. The exact values sadly aren't documented anywhere. A starting point when searching for valid values is this **script** The only mandatory value is 'AUTH_AUTHORITY' as we cannot set a default value here.

Type: open submodule of attribute set of (string or boolean)

Default:

```
{
  AUTH_AUDIENCE = "netbird";
  AUTH_CLIENT_ID = "netbird";
  AUTH_SUPPORTED_SCOPES = "openid profile email";
  NETBIRD_TOKEN_SOURCE = "idToken";
  USE_AUTH0 = false;
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird/dashboard.nix>

services.netbird.server.domain
The domain under which the netbird server runs.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird/server.nix>

services.netbird.server.management.enable
Whether to enable Netbird Management Service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird/management.nix>

services.netbird.server.management.enableNginx
Whether to enable Nginx reverse−proxy for the netbird management service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird/management.nix>

services.netbird.server.management.package
The netbird−management package to use.

Type: package

Default:

```
pkgs.netbird−management
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird/management.nix>

services.netbird.server.management.disableAnonymousMetrics
Disables push of anonymous usage metrics to NetBird.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird/management.nix>

services.netbird.server.management.disableSingleAccountMode
If set to true, disables single account mode. The ‘singleAccountModeDomain’ property will be ignored and every new user will have a separate NetBird account.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird/management.nix>

services.netbird.server.management.dnsDomain
Domain used for peer resolution.

Type: string

Default:

```
"netbird.selfhosted"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird/management.nix>

services.netbird.server.management.domain
The domain under which the management API runs.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird/management.nix>

services.netbird.server.management.extraOptions
Additional options given to netbird−mgmt as commandline arguments.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird/management.nix>

services.netbird.server.management.logLevel
Log level of the netbird services.

Type: one of “ERROR”, “WARN”, “INFO”, “DEBUG”

Default:

```
"INFO"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird/management.nix>

services.netbird.server.management.metricsPort
Internal port of the metrics server.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9090
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird/management.nix>

services.netbird.server.management.oidcConfigEndpoint
The oidc discovery endpoint.

Type: string

Example:

```
"https://example.eu.auth0.com/.well-known/openid-configuration"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird/management.nix>

services.netbird.server.management.port
Internal port of the management server.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8011
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird/management.nix>

services.netbird.server.management.settings

Configuration of the netbird management server. Options containing secret data should be set to an attribute set containing the attribute _secret

- a string pointing to a file containing the value the option should be set to. See the example to get a better picture of this: in the resulting management.json file, the 'DataStoreEncryptionKey' key will be set to the contents of the /run/agenix/netbird_mgmt−data_store_encryption_key file.

Type: JSON value

Default:

```
defaultSettings = {
  Stuns = [
    {
      Proto = "udp";
      URI = "stun:${cfg.turnDomain}:3478";
      Username = "";
      Password = null;
    }
  ];
  TURNConfig = {
    Turns = [
      {
        Proto = "udp";
        URI = "turn:${cfg.turnDomain}:3478";
        Username = "netbird";
        Password = "netbird";
      }
    ];
    CredentialsTTL = "12h";
    Secret = "not−secure−secret";
    TimeBasedCredentials = false;
  };
  Signal = {
    Proto = "https";
    URI = "${cfg.domain}:443";
    Username = "";
    Password = null;
  };
  ReverseProxy = {
    TrustedHTTPProxies = [ ];
    TrustedHTTPProxiesCount = 0;
    TrustedPeers = [ "0.0.0.0/0" ];
  };
  Datadir = "${stateDir}/data";
  DataStoreEncryptionKey = "genEVP6j/Yp2EeVujm0zgqXrRos29dQkpvX0hHd \
EUlQ=";
  StoreConfig = { Engine = "sqlite"; };
  HttpConfig = {
    Address = "127.0.0.1:${toString cfg.port}";
    IdpSignKeyRefreshEnabled = true;
    OIDCConfigEndpoint = cfg.oidcConfigEndpoint;
```

```
      };
      IdpManagerConfig = {
        ManagerType = "none";
        ClientConfig = {
          Issuer = "";
          TokenEndpoint = "";
          ClientID = "netbird";
          ClientSecret = "";
          GrantType = "client_credentials";
        };
        ExtraConfig = { };
        Auth0ClientCredentials = null;
        AzureClientCredentials = null;
        KeycloakClientCredentials = null;
        ZitadelClientCredentials = null;
      };
      DeviceAuthorizationFlow = {
        Provider = "none";
        ProviderConfig = {
          Audience = "netbird";
          Domain = null;
          ClientID = "netbird";
          TokenEndpoint = null;
          DeviceAuthEndpoint = "";
          Scope = "openid profile email offline_access api";
          UseIDToken = false;
        };
      };
      PKCEAuthorizationFlow = {
        ProviderConfig = {
          Audience = "netbird";
          ClientID = "netbird";
          ClientSecret = "";
          AuthorizationEndpoint = "";
          TokenEndpoint = "";
          Scope = "openid profile email offline_access api";
          RedirectURLs = "http://localhost:53000";
          UseIDToken = false;
        };
      };
    };
```

Example:

```
    {
      DataStoreEncryptionKey = {
        _secret = "/run/agenix/netbird_mgmt−data_store_encryption_key" \
    ;
      };
    }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird/management.nix>

services.netbird.server.management.singleAccountModeDomain

Enables single account mode. This means that all the users will be under the same account grouped by the specified domain. If the installation has more than one account, the property is ineffective.

Type: string

Default:

```
"netbird.selfhosted"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird/management.nix>

services.netbird.server.management.turnDomain

The domain of the TURN server to use.

Type: string

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird/management.nix>

services.netbird.server.management.turnPort

The port of the TURN server to use.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3478
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird/management.nix>

services.netbird.server.signal.enable

Whether to enable Netbird's Signal Service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird/signal.nix>

services.netbird.server.signal.enableNginx

Whether to enable Nginx reverse−proxy for the netbird signal service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird/signal.nix>

services.netbird.server.signal.package
The netbird−signal package to use.

Type: package

Default:

```
pkgs.netbird-signal
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird/signal.nix>

services.netbird.server.signal.domain
The domain name for the signal service.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird/signal.nix>

services.netbird.server.signal.extraOptions
Additional options given to netbird−signal as commandline arguments.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird/signal.nix>

services.netbird.server.signal.logLevel
Log level of the netbird signal service.

Type: one of “ERROR”, “WARN”, “INFO”, “DEBUG”

Default:

```
"INFO"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird/signal.nix>

services.netbird.server.signal.metricsPort
Internal port of the metrics server.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9091
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird/signal.nix>

services.netbird.server.signal.port
Internal port of the signal server.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8012
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird/signal.nix>

services.netbird.tunnels

Alias of **services.netbird.clients**.

Type: attribute set of (submodule)

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.tunnels.<name>.autoStart

Start the service with the system.

As of 2024−02−13 it is not possible to start a NetBird client daemon without immediately connecting to the network, but it is **planned for a near future**.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.tunnels.<name>.bin.suffix

A system group name for this client instance.

Type: string

Default:

```
"‹name›"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.tunnels.<name>.config

Additional configuration that exists before the first start and later overrides the existing values in *config.json*.

It is mostly helpful to manage configuration ignored/not yet implemented outside of ‘netbird up’ invocation.

WARNING: this is not an upstream feature, it could break in the future (by having lower priority) after upstream implements an equivalent.

It is implemented as a ‘preStart’ script which overrides *config.json* with content of */etc/netbird−‹name›/config.d/*.json* files. This option manages specifically *50−nixos.json* file.

Consult **the source code** or inspect existing file for a complete list of available configurations.

Type: JSON value

Default:

```
{
  DisableAutoConnect = !client.autoStart;
  WgIface = client.interface;
  WgPort = client.port;
} // optionalAttrs (client.dns-resolver.address != null) {
  CustomDNSAddress = "${client.dns-resolver.address}:${toString cl \
ient.dns-resolver.port}";
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.tunnels.<name>.dir.baseName
A systemd service name to use (without '.service' suffix).

Type: string

Default:

```
"netbird-‹name›"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.tunnels.<name>.dir.runtime
A runtime directory used by NetBird client.

Type: absolute path

Default:

```
"/var/run/netbird-‹name›"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.tunnels.<name>.dir.state
A state directory used by NetBird client to store *config.json*, *state.json* & *resolv.conf*.

Type: absolute path

Default:

```
"/var/lib/netbird-‹name›"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.tunnels.<name>.dns-resolver.address
An explicit address that NetBird will serve '*.netbird.cloud.' (usually) entries on.

NetBird serves DNS on it's own (dynamic) client address by default.

Type: null or string

Default:

```
null
```

Example:

```
"127.0.0.123"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.tunnels.<name>.dns-resolver.port
A port to serve DNS entries on when 'dns-resolver.address' is enabled.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
53
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.tunnels.<name>.environment

Environment for the netbird service, used to pass configuration options.

Type: attribute set of string

Default:

```
{
  NB_STATE_DIR = client.dir.state;
  NB_CONFIG = "${client.dir.state}/config.json";
  NB_DAEMON_ADDR = "unix://${client.dir.runtime}/sock";
  NB_INTERFACE_NAME = client.interface;
  NB_LOG_FILE = mkOptionDefault "console";
  NB_LOG_LEVEL = client.logLevel;
  NB_SERVICE = client.service.name;
  NB_WIREGUARD_PORT = toString client.port;
} // optionalAttrs (client.dns-resolver.address != null) {
  NB_DNS_RESOLVER_ADDRESS = "${client.dns-resolver.address}:${toSt \
ring client.dns-resolver.port}";
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.tunnels.<name>.hardened

Hardened service:

- runs as a dedicated user with minimal set of permissions (see caveats),
- restricts daemon configuration socket access to dedicated user group (you can grant access to it with ‘users.users."<user>".extraGroups = [netbird-‹name›]’),

Even though the local system resources access is restricted:

- ‘CAP_NET_RAW’, ‘CAP_NET_ADMIN’ and ‘CAP_BPF’ still give unlimited network manipulation possibilites,
- older kernels don’t have ‘CAP_BPF’ and use ‘CAP_SYS_ADMIN’ instead,

Known security features that are not (yet) integrated into the module:

- 2024-02-14: ‘rosenpass’ is an experimental feature configurable solely through ‘--enable-rosenpass’ flag on the ‘netbird up’ command, see **the docs**

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.tunnels.<name>.interface

Name of the network interface managed by this client.

Type: string

Default:

```
"nb-‹name›"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.tunnels.<name>.logLevel

Log level of the NetBird daemon.

Type: one of “panic”, “fatal”, “error”, “warn”, “warning”, “info”, “debug”, “trace”

Default:

```
"info"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.tunnels.<name>.login.enable

Whether to enable automated login for NetBird client.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.tunnels.<name>.login.setupKeyFile

A Setup Key file path used for automated login of the machine.

Type: null or string

Default:

```
null
```

Example:

```
"/run/secrets/netbird-priv/setup-key"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.tunnels.<name>.login.systemdDependencies

Additional systemd dependencies required to succeed before the Setup Key file becomes available.

Type: list of string

Default:

```
[ ]
```

Example:

```
[ "sops-install-secrets.service" ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.tunnels.<name>.name

Primary name for use (as a suffix) in:

- systemd service name,
- hardened user name and group,
- **systemd** ‘*Directory=’ names,
- desktop application identification,

Type: string

Default:

```
"‹name›"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.tunnels.<name>.openFirewall
Opens up firewall ‘port’ for communication between NetBird peers directly over LAN or public IP, without using (internet−hosted) TURN servers as intermediaries.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.tunnels.<name>.openInternalFirewall
Opens up internal firewall ports for the NetBird’s network interface.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.tunnels.<name>.port
Port the NetBird client listens on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Example:

```
51820
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.tunnels.<name>.service.name
A systemd service name to use (without ‘.service’ suffix).

Type: string

Default:

```
"netbird−‹name›"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.tunnels.<name>.suffixedName
A systemd service name to use (without ‘.service’ suffix).

Type: string

Default:

```
"netbird−‹name›"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.tunnels.<name>.ui.enable

Controls presence of ‘netbird−ui’ wrapper for this NetBird client.

Type: boolean

Default:

```
client.ui.enable
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.tunnels.<name>.user.group

A system group name for this client instance.

Type: string

Default:

```
"netbird−‹name›"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.tunnels.<name>.user.name

A system user name for this client instance.

Type: string

Default:

```
"netbird−‹name›"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.ui.enable

Controls presence ‘netbird−ui’ wrappers, defaults to presence of graphical sessions.

Type: boolean

Default:

```
config.services.displayManager.sessionPackages != [ ] || config.ser \
vices.xserver.enable
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.ui.package

The netbird−ui package to use.

Type: package

Default:

```
pkgs.netbird−ui
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbird.useRoutingFeatures

Enables settings required for NetBird’s routing features: Network Resources, Network Routes & Exit Nodes.

When set to ‘client’ or ‘both’, reverse path filtering will be set to loose instead of strict. When set to ‘server’ or ‘both’, IP forwarding will be enabled.

Type: one of “none”, “client”, “server”, “both”

Default:

```
"none"
```

Example:

```
"server"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netbird.nix>

services.netbox.enable
Enable Netbox.

This module requires a reverse proxy that serves '/static' separately. See this **example** on how to configure this.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/netbox.nix>

services.netbox.enableLdap
Enable LDAP−Authentication for Netbox.

This requires a configuration file being pass through 'ldapConfigPath'.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/netbox.nix>

services.netbox.package
NetBox package to use.

Type: package

Default:

```
if lib.versionAtLeast config.system.stateVersion "26.05"
then pkgs.netbox_4_5
else pkgs.netbox_4_4;
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/netbox.nix>

services.netbox.apiTokenPeppersFile
Path to a file containing the API_TOKEN_PEPPER that will be configured for the pepper_id with the id 1. This is required for netbox >= 4.5. For generating this pepper, **consider using** '$INSTALL_ROOT/netbox/generate_secret_key.py'

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/netbox.nix>

services.netbox.dataDir

Storage path of netbox.

Type: string

Default:

```
"/var/lib/netbox"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/netbox.nix>

services.netbox.extraConfig

Additional lines of configuration appended to the ‘configuration.py’. See the **documentation** for more possible options.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/netbox.nix>

services.netbox.gunicornArgs

extra args for gunicorn when serving netbox

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "−−workers"
  "9"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/netbox.nix>

services.netbox.keycloakClientSecret

File that contains the keycloak client secret.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/netbox.nix>

services.netbox.ldapConfigPath

Path to the Configuration−File for LDAP−Authentication, will be loaded as ‘ldap_config.py’. See the **documentation** for possible options.

Type: absolute path

Default:

```
""
```

Example:

```
  import ldap
```

```
from django_auth_ldap.config import LDAPSearch, PosixGroupType

AUTH_LDAP_SERVER_URI = "ldaps://ldap.example.com/"

AUTH_LDAP_USER_SEARCH = LDAPSearch(
    "ou=accounts,ou=posix,dc=example,dc=com",
    ldap.SCOPE_SUBTREE,
    "(uid=%(user)s)",
)

AUTH_LDAP_GROUP_SEARCH = LDAPSearch(
    "ou=groups,ou=posix,dc=example,dc=com",
    ldap.SCOPE_SUBTREE,
    "(objectClass=posixGroup)",
)
AUTH_LDAP_GROUP_TYPE = PosixGroupType()

# Mirror LDAP group assignments.
AUTH_LDAP_MIRROR_GROUPS = True

# For more granular permissions, we can map LDAP groups to Django \
groups.
AUTH_LDAP_FIND_GROUP_PERMS = True
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/netbox.nix>

services.netbox.listenAddress
Address the server will listen on. Ignored if ‘unixSocket’ is set.

Type: string

Default:

```
"[::1]"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/netbox.nix>

services.netbox.plugins
List of plugin packages to install.

Type: function that evaluates to a(n) list of package

Default:

```
python3Packages: with python3Packages; [];
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/netbox.nix>

services.netbox.port
Port the server will listen on. Ignored if ‘unixSocket’ is set.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8001
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/netbox.nix>

services.netbox.secretKeyFile
Path to a file containing the secret key.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/web−apps/netbox.nix>

services.netbox.settings
Configuration options to set in ‘configuration.py’. See the **documentation** for more possible options.

Type: open submodule of attribute set of (Python value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/netbox.nix>

services.netbox.settings.ALLOWED_HOSTS
A list of valid fully−qualified domain names (FQDNs) and/or IP addresses that can be used to reach the NetBox service.

Type: list of string

Default:

```
[
  "*"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/netbox.nix>

services.netbox.unixSocket
Enable Unix Socket for the server to listen on. ‘listenAddress’ and ‘port’ will be ignored.

Type: null or string

Default:

```
null
```

Example:

```
"/run/netbox/netbox.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/netbox.nix>

services.netclient.enable
Whether to enable Netclient Daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netclient.nix>

services.netclient.package
The netclient package to use.

Type: package

Default:

```
pkgs.netclient
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netclient.nix>

services.netdata.enable
Whether to enable netdata.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/netdata.nix>

services.netdata.enableAnalyticsReporting
Enable reporting of anonymous usage statistics to Netdata Inc. via either Google Analytics (in versions prior to 1.29.4), or Netdata Inc.'s self−hosted PostHog (in versions 1.29.4 and later). See: **https://learn.netdata.cloud/docs/agent/anonymous−statistics**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/netdata.nix>

services.netdata.package
The netdata package to use.

Type: package

Default:

```
pkgs.netdata
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/netdata.nix>

services.netdata.claimTokenFile
If set, automatically registers the agent using the given claim token file.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/netdata.nix>

services.netdata.config
netdata.conf configuration as nix attributes. cannot be combined with configText.

Type: attribute set of (attribute set)

Default:

```
{ }
```

Example:

```
global = {
  "debug log" = "syslog";
  "access log" = "syslog";
  "error log" = "syslog";
};
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/netdata.nix>

services.netdata.configDir
Complete netdata config directory except netdata.conf. The default configuration is merged with changes defined in this option. Each top−level attribute denotes a path in the configuration directory as in environment.etc. Its value is the absolute path and must be readable by netdata. Cannot be combined with configText.

Type: attribute set of absolute path

Default:

```
{ }
```

Example:

```
"health_alarm_notify.conf" = pkgs.writeText "health_alarm_notify.co \
nf" ''
  sendmail="/path/to/sendmail"
"health.d" = "/run/secrets/netdata/health.d";
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/netdata.nix>

services.netdata.configText
Verbatim netdata.conf, cannot be combined with config.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
  [global]
  debug log = syslog
  access log = syslog
  error log = syslog
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/netdata.nix>

services.netdata.deadlineBeforeStopSec

In order to detect when netdata is misbehaving, we run a concurrent task pinging netdata (wait−for−netdata−up) in the systemd unit.

If after a while, this task does not succeed, we stop the unit and mark it as failed.

You can control this deadline in seconds with this option, it's useful to bump it if you have (1) a lot of data (2) doing upgrades (3) have low IOPS/throughput.

Type: signed integer

Default:

```
120
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/netdata.nix>

services.netdata.extraNdsudoPackages

Extra packages to add to 'PATH' to make available to 'ndsudo'.

Warning
'ndsudo' has SUID privileges, be careful what packages you list here.

Note
'cfg.package' must be built with 'withNdsudo = true'

Type: list of package

Default:

```
[ ]
```

Example:

```
[
  pkgs.smartmontools
  pkgs.nvme-cli
]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/netdata.nix>

services.netdata.extraPluginPaths

Extra paths to add to the netdata global "plugins directory" option. Useful for when you want to include your own collection scripts.

Details about writing a custom netdata plugin are available at: **https://docs.netdata.cloud/collectors/plugins.d/**

Cannot be combined with configText.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[ "/path/to/plugins.d" ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/netdata.nix>

services.netdata.group

Group under which netdata runs.

Type: string

Default:

```
"netdata"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/netdata.nix>

services.netdata.python.enable

Whether to enable python−based plugins

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/netdata.nix>

services.netdata.python.extraPackages

Extra python packages available at runtime to enable additional python plugins.

Type: function that evaluates to a(n) list of package

Default:

```
ps: []
```

Example:

```
ps: [
  ps.psycopg2
  ps.docker
  ps.dnspython
]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/netdata.nix>

services.netdata.python.recommendedPythonPackages

Whether to enable a set of recommended Python plugins by installing extra Python packages.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/netdata.nix>

services.netdata.user

User account under which netdata runs.

Type: string

Default:

```
"netdata"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/netdata.nix>

services.netfoil.enable

Enable Netfoil, a minimal, filtering, DNS proxy

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netfoil.nix>

services.netfoil.config

Additional configuration options for Netfoil

Type: attribute set of string

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netfoil.nix>

services.netfoil.doHIPs

The DoH IPs to use for upstream DNS queries

Type: string

Default:

```
"1.1.1.2,1.0.0.2"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netfoil.nix>

services.netfoil.doHUrl

The DoH URL to use for upstream DNS queries

Type: string

Default:

```
"https://security.cloudflare-dns.com/dns-query"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netfoil.nix>

services.netfoil.listen.ipAddress

IP address on which Netfoil listens for incoming connections

Type: string

Default:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netfoil.nix>

services.netfoil.listen.port

Port on which Netfoil listens for incoming connections

Type: signed integer

Default:

```
53
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netfoil.nix>

services.netfoil.logAllowed
Log allowed DNS queries

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netfoil.nix>

services.netfoil.logDenied
Log denied DNS queries

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netfoil.nix>

services.netfoil.rules.allow.exact
List of exact domain names to allow

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netfoil.nix>

services.netfoil.rules.allow.ipv4
List of ipv4 CIDR ranges to allow

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netfoil.nix>

services.netfoil.rules.allow.ipv6
List of ipv6 CIDR ranges to allow

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netfoil.nix>

services.netfoil.rules.allow.tld
List of TLDs to allow

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netfoil.nix>

services.netfoil.rules.deny.exact

List of exact domain names to deny

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netfoil.nix>

services.netfoil.rules.deny.ipv4

List of ipv4 CIDR ranges to deny

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netfoil.nix>

services.netfoil.rules.deny.ipv6

List of ipv6 CIDR ranges to deny

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netfoil.nix>

services.netfoil.rules.deny.tld

List of TLDs to deny

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/netfoil.nix>

services.netfoil.rules.known.knownTlds

List of known TLDs

Type: list of string

Default:

```
[
  ".com"
  ".net"
  ".org"
  ".edu"
  ".gov"
  ".mil"
  ".int"
```

```
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netfoil.nix>

services.netfoil.rules.pin.a

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netfoil.nix>

services.netfoil.rules.pin.responseDomain

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/netfoil.nix>

services.networkaudiod.enable
Whether to enable Networkaudiod (NAA).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/audio/networkaudiod.nix>

services.networkd−dispatcher.enable
Whether to enable Networkd−dispatcher service for systemd−networkd connection status change. See **upstream instructions** for usage .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/networkd−dispatcher.nix>

services.networkd−dispatcher.extraArgs
Extra arguments to pass to the networkd−dispatcher command.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/networkd−dispatcher.nix>

services.networkd−dispatcher.rules
Declarative configuration of networkd−dispatcher rules. See **upstream instructions** for an introduction and example scripts.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{ "restart-tor" = {
    onState = ["routable" "off"];
    script = ''
      #!${pkgs.runtimeShell}
      if [[ $IFACE == "wlan0" && $AdministrativeState == "configure \
d" ]]; then
        echo "Restarting Tor ..."
        systemctl restart tor
      fi
      exit 0
    '';
  };
};
```

Declared by:
<nixpkgs/nixos/modules/services/networking/networkd−dispatcher.nix>

services.networkd−dispatcher.rules.<name>.onState
List of names of the systemd−networkd operational states which should trigger the script. See **networkctl**(1) for a description of the specific state type.

Type: list of (one of “routable”, “dormant”, “no−carrier”, “off”, “carrier”, “degraded”, “configuring”, “configured”, “enslaved”)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/networkd−dispatcher.nix>

services.networkd−dispatcher.rules.<name>.script
Shell commands executed on specified operational states.

Type: strings concatenated with “\n”

Declared by:
<nixpkgs/nixos/modules/services/networking/networkd−dispatcher.nix>

services.networking.websockify.enable
Whether to enable websockify to forward websocket connections to TCP connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/websockify.nix>

services.networking.websockify.portMap
Ports to map by default.

Type: attribute set of 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/websockify.nix>

services.networking.websockify.sslCert
Path to the SSL certificate.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/networking/websockify.nix>

services.networking.websockify.sslKey
Path to the SSL key.

Type: absolute path

Default:

```
config.services.networking.websockify.sslCert
```

Declared by:
<nixpkgs/nixos/modules/services/networking/websockify.nix>

services.newt.enable
Whether to enable Newt, user space tunnel client for Pangolin.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/newt.nix>

services.newt.package
The fosrl−newt package to use.

Type: package

Default:

```
pkgs.fosrl-newt
```

Declared by:
<nixpkgs/nixos/modules/services/networking/newt.nix>

services.newt.blueprint
Blueprint for declarative settings, see **Newt Blueprint docs** for more information.

Type: YAML 1.1 value

Default:

```
{ }
```

Example:

```
{
  proxy-resources = {
    jellyfin = {
      auth = {
        sso-enabled = true;
      };
      full-domain = "jfn.example.com";
      name = "Jellyfin";
      protocol = "http";
      targets = [
        {
          hostname = "localhost";
          method = "http";
          port = 8096;
        }
      ];
    };
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/newt.nix>

services.newt.environmentFile

Path to a file containing sensitive environment variables for Newt. See **Client credentials** for more information. These will overwrite anything defined in the config. The file should contain environment-variable assignments like: NEWT_ID=2ix2t8xk22ubpfy NEWT_SECRET=nnisrfsdfc7prqsp9ewo1dvtvci50j5uiqotez00dgap0ii2

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/newt.nix>

services.newt.settings

Settings for Newt module, see **Newt CLI docs** for more information.

Type: value coercible to CLI argument

Default:

```
{ }
```

Example:

```
{
  endpoint = "pangolin.example.com";
  id = "8yfsghj438a20ol";
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/newt.nix>

services.nextcloud.enable

Whether to enable nextcloud.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.enableImagemagick

Whether to enable the ImageMagick module for PHP. This is used by the theming app and for generating previews of certain images (e.g. SVG and HEIF). You may want to disable it for increased security. In that case, previews will still be available for some images (e.g. JPEG and PNG). See **https://github.com/nextcloud/server/issues/13099** .

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.package

Which package to use for the Nextcloud instance.

Type: package

Related packages:

- ‘pkgs.nextcloud32’
- ‘pkgs.nextcloud33’

Declared by:

<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.appstoreEnable

Allow the installation and updating of apps from the Nextcloud appstore. Enabled by default unless there are packages in **services.nextcloud.extraApps**. Set this to true to force enable the store even if **services.nextcloud.extraApps** is used. Set this to false to disable the installation of apps from the global appstore. App management is always enabled regardless of this setting.

Type: null or boolean

Default:

```
null
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.autoUpdateApps.enable

Run a regular auto−update of all apps installed from the Nextcloud app store.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.autoUpdateApps.startAt

When to run the update. See ‘systemd.services.<name>.startAt’.

Type: string or list of string

Default:

```
"05:00:00"
```

Example:

```
"Sun 14:00:00"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.caching.apcu

Whether to load the APCu module into PHP.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.caching.memcached

Whether to load the Memcached module into PHP. You still need to enable Memcached in your config.php. See **https://docs.nextcloud.com/server/latest/admin_manual/configuration_server/caching_configuration.html**

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.caching.redis

Whether to load the Redis module into PHP. You still need to enable Redis in your config.php. See **https://docs.nextcloud.com/server/latest/admin_manual/configuration_server/caching_configuration.html**

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.cli.memoryLimit

The 'memory_limit' of PHP is equal to **services.nextcloud.maxUploadSize**. The value can be customized for 'nextcloud−cron.service' using this option.

Type: null or string

Default:

```
null
```

Example:

```
"1G"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.config.adminpassFile

The full path to a file that contains the admin's password. The password is set only in the initial setup of Nextcloud by the systemd service 'nextcloud−setup.service'.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.config.adminuser

Username for the admin account. The username is only set during the initial setup of Nextcloud! Since the username also acts as unique ID internally, it cannot be changed later!

Type: null or string

Default:

```
"root"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.config.dbhost

Database host (+port) or socket path. If **services.nextcloud.database.createLocally** is true and **services.nextcloud.config.dbtype** is either 'pgsql' or 'mysql', defaults to the correct Unix socket instead.

Type: null or string

Default:

```
"localhost"
```

Example:

```
"localhost:5000"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.config.dbname

Database name.

Type: null or string

Default:

```
"nextcloud"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.config.dbpassFile
The full path to a file that contains the database password.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.config.dbtableprefix
Table prefix in Nextcloud's database.

Note: since Nextcloud 20 it's not an option anymore to create a database schema with a custom table prefix. This option only exists for backwards compatibility with installations that were originally provisioned with Nextcloud <20.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.config.dbtype
Database type.

Type: null or one of "sqlite", "pgsql", "mysql"

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.config.dbuser
Database user.

Type: null or string

Default:

```
"nextcloud"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.config.objectstore.s3.enable
Whether to enable S3 object storage as primary storage.

This mounts a bucket on an Amazon S3 object storage or compatible implementation into the virtual filesystem.

Further details about this feature can be found in the **upstream documentation** .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.config.objectstore.s3.bucket
The name of the S3 bucket.

Type: string

Example:

```
"nextcloud"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.config.objectstore.s3.hostname
Required for some non−Amazon implementations.

Type: null or string

Default:

```
null
```

Example:

```
"example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.config.objectstore.s3.key
The access key for the S3 bucket.

Type: string

Example:

```
"EJ39ITYZEUH5BGWDRUFY"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.config.objectstore.s3.port
Required for some non−Amazon implementations.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.config.objectstore.s3.region
Required for some non−Amazon implementations.

Type: null or string

Default:

```
null
```

Example:

```
"REGION"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.config.objectstore.s3.secretFile
The full path to a file that contains the access secret.

Type: string

Example:

```
"/var/nextcloud-objectstore-s3-secret"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.config.objectstore.s3.sseCKeyFile
If provided this is the full path to a file that contains the key to enable **server−side encryption with customer−provided keys** (SSE−C).

The file must contain a random 32−byte key encoded as a base64 string, e.g. generated with the command

```
openssl rand 32 | base64
```

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/nextcloud-objectstore-s3-sse-c-key"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.config.objectstore.s3.usePathStyle
Required for some non−Amazon S3 implementations.

Ordinarily, requests will be made with ‘http://bucket.hostname.domain/’, but with path style enabled requests are made with ‘http://hostname.domain/bucket’ instead.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.config.objectstore.s3.useSsl
Use SSL for objectstore access.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.config.objectstore.s3.verify_bucket_exists

Create the objectstore bucket if it does not exist.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.configureRedis

Whether to configure Nextcloud to use the recommended Redis settings for small instances.

Note

The Nextcloud system check recommends to configure either Redis or Memcache for file lock caching.

Note

The 'notify_push' app requires Redis to be configured. If this option is turned off, this must be configured manually.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.database.createLocally

Whether to create the database and database user locally.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.datadir

Nextcloud's data storage path. Will be **services.nextcloud.home** by default. This folder will be populated with a config.php file and a data folder which contains the state of the instance (excluding the database).";

Type: string

Default:

```
config.services.nextcloud.home
```

Example:

```
"/mnt/nextcloud−file"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.extraApps

Extra apps to install. Should be an attrSet of appid to packages generated by fetchNextcloudApp. The appid must be identical to the "id" value in the apps appinfo/info.xml. Using this will disable the appstore to prevent Nextcloud from updating these apps (see **services.nextcloud.appstoreEnable**).

Type: attribute set of package

Default:

```
{ }
```

Example:

```
{
  inherit (pkgs.nextcloud31Packages.apps) mail calendar contacts;
  phonetrack = pkgs.fetchNextcloudApp {
    appName = "phonetrack";
    appVersion = "0.8.2";
    license = "agpl3Plus";
    sha512 = "f67902d1b48def9a244383a39d7bec95bb4215054963a9751f99d \
ae9bd2f2740c02d2ef97b3b76d69a36fa95f8a9374dd049440b195f4dad2f0c4bca \
645de228";
    url = "https://github.com/julien-nc/phonetrack/releases/downlo \
ad/v0.8.2/phonetrack-0.8.2.tar.gz";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/nextcloud.nix>

services.nextcloud.extraAppsEnable

Automatically enable the apps in **services.nextcloud.extraApps** every time Nextcloud starts. If set to false, apps need to be enabled in the Nextcloud web user interface or with 'nextcloud-occ app:enable'.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/nextcloud.nix>

services.nextcloud.fastcgiTimeout

FastCGI timeout for database connection in seconds.

Type: signed integer

Default:

```
120
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/nextcloud.nix>

services.nextcloud.finalPackage

Package to the finalized Nextcloud package, including all installed apps. This is automatically set by the module.

Type: package *(read only)*

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.home
Storage path of nextcloud.

Type: string

Default:

```
"/var/lib/nextcloud"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.hostName
FQDN for the nextcloud instance.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.https
Use HTTPS for generated links.

Be aware that this also enables HTTP Strict Transport Security (HSTS) headers.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.imaginary.enable
Whether to enable Imaginary.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.maxUploadSize
The upload limit for files. This changes the relevant options in php.ini and nginx if enabled.

Type: string

Default:

```
"512M"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.nginx.enableFastcgiRequestBuffering

Whether to buffer requests against fastcgi requests. This is a workaround for ‘PUT’ requests with the ‘Transfer−Encoding: chunked’ header set and an unspecified ‘Content−Length’. Without request buffering for these requests, Nextcloud will create files with zero bytes length as described in **nextcloud/server#7995**.

> **Note**
> Please keep in mind that upstream suggests to not enable this as it might lead to timeouts on large files being uploaded as described in the **administrator manual**.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.nginx.hstsMaxAge

Value for the ‘max−age’ directive of the HTTP ‘Strict−Transport−Security’ header.

See section 6.1.1 of IETF RFC 6797 for detailed information on this directive and header.

Type: positive integer, meaning >0

Default:

```
15552000
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.notify_push.enable

Whether to enable Notify push.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/nextcloud−notify_push.nix>

services.nextcloud.notify_push.package

The nextcloud−notify_push package to use.

Type: package

Default:

```
pkgs.nextcloud-notify_push
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/nextcloud−notify_push.nix>

services.nextcloud.notify_push.bendDomainToLocalhost

Whether to add an entry to ‘/etc/hosts’ for the configured nextcloud domain to point to ‘localhost’ and add ‘localhost ’to nextcloud’s ‘trusted_proxies’ config option.

This is useful when nextcloud’s domain is not a static IP address and when the reverse proxy cannot be bypassed because the backend connection is done via unix socket.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud−notify_push.nix>

services.nextcloud.notify_push.dbhost
Database host (+port) or socket path. If **services.nextcloud.database.createLocally** is true and **services.nextcloud.config.dbtype** is either 'pgsql' or 'mysql', defaults to the correct Unix socket instead.

Type: null or string

Default:

```
config.services.nextcloud.config.dbhost
```

Example:

```
"localhost:5000"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud−notify_push.nix>

services.nextcloud.notify_push.dbname
Database name.

Type: null or string

Default:

```
config.services.nextcloud.config.dbname
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud−notify_push.nix>

services.nextcloud.notify_push.dbpassFile
The full path to a file that contains the database password.

Type: null or string

Default:

```
config.services.nextcloud.config.dbpassFile
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud−notify_push.nix>

services.nextcloud.notify_push.dbtableprefix
Table prefix in Nextcloud's database.

Note: since Nextcloud 20 it's not an option anymore to create a database schema with a custom table prefix. This option only exists for backwards compatibility with installations that were originally provisioned with Nextcloud <20.

Type: null or string

Default:

```
config.services.nextcloud.config.dbtableprefix
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud−notify_push.nix>

services.nextcloud.notify_push.dbtype
Database type.

Type: null or one of “sqlite”, “pgsql”, “mysql”

Default:

```
config.services.nextcloud.config.dbtype
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud−notify_push.nix>

services.nextcloud.notify_push.dbuser
Database user.

Type: null or string

Default:

```
config.services.nextcloud.config.dbuser
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud−notify_push.nix>

services.nextcloud.notify_push.logLevel
Log level

Type: one of “error”, “warn”, “info”, “debug”, “trace”

Default:

```
"error"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud−notify_push.nix>

services.nextcloud.notify_push.nextcloudUrl
Configure the nextcloud URL notify_push tries to connect to.

Type: string

Default:

```
"http${lib.optionalString config.services.nextcloud.https "s"}://${ \
config.services.nextcloud.hostName}"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud−notify_push.nix>

services.nextcloud.notify_push.socketPath
Socket path to use for notify_push

Type: string

Default:

```
"/run/nextcloud−notify_push/sock"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud−notify_push.nix>

services.nextcloud.occ
The nextcloud−occ program preconfigured to target this Nextcloud instance.

Type: package

Default: generated script

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.phpExtraExtensions
Additional PHP extensions to use for Nextcloud. By default, only extensions necessary for a vanilla Nextcloud installation are enabled, but you may choose from the list of available extensions and add further ones. This is sometimes necessary to be able to install a certain Nextcloud app that has additional requirements.

Type: function that evaluates to a(n) list of package

Default:

```
all: []
```

Example:

```
all: [ all.pdlib all.bz2 ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.phpOptions
Options for PHP's php.ini file for nextcloud.

Please note that this option is *additive* on purpose while the attribute values inside the default are option defaults: that means that

```
{
  services.nextcloud.phpOptions."opcache.interned_strings_buffer" = \
 "23";
}
```

will override the 'php.ini' option 'opcache.interned_strings_buffer' without discarding the rest of the defaults.

Overriding all of 'phpOptions' (including 'upload_max_filesize', 'post_max_size' and 'memory_limit' which all point to **services.nextcloud.maxUploadSize** by default) can be done like this:

```
{
  services.nextcloud.phpOptions = lib.mkForce {
    /* ... */
  };
}
```

Type: attribute set of (string or signed integer)

Default:

```
{
  catch_workers_output = "yes";
  display_errors = "stderr";
  error_reporting = "E_ALL & ~E_DEPRECATED & ~E_STRICT";
  expose_php = "Off";
  "opcache.fast_shutdown" = "1";
  "opcache.interned_strings_buffer" = "8";
  "opcache.max_accelerated_files" = "10000";
  "opcache.memory_consumption" = "128";
  "opcache.revalidate_freq" = "1";
  "openssl.cafile" = {
    _type = "literalExpression";
    text = "config.security.pki.caBundle";
  };
```

```
  output_buffering = "0";
  short_open_tag = "Off";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.phpPackage
The php package to use.

Type: package

Default:

```
pkgs.php84
```

Example:

```
php82
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.poolConfig
Options for Nextcloud's PHP pool. See the documentation on 'php−fpm.conf' for details on configuration directives.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.poolSettings
Options for nextcloud's PHP pool. See the documentation on 'php−fpm.conf' for details on configuration directives. The above are recommended for a server with 4GiB of RAM.

It's advisable to read the **section about PHPFPM tuning in the upstream manual** and consider customizing the values.

Type: attribute set of (string or signed integer or boolean)

Default:

```
{
  pm = "dynamic";
  "pm.max_children" = "120";
  "pm.max_requests" = "500";
  "pm.max_spare_servers" = "18";
  "pm.min_spare_servers" = "6";
  "pm.start_servers" = "12";
  "pm.status_path" = "/status";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.secretFile

Secret options which will be appended to Nextcloud's config.php file (written as JSON, in the same form as the **services.nextcloud.settings** option), for example '{"redis":{"password":"secret"}}'.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.secrets

Secret files to read into entries in 'config.php'. This uses 'nix_read_secret' and LoadCredential to read the contents of the file into the entry in 'config.php'.

Type: attribute set of absolute path not in the Nix store

Default:

```
{ }
```

Example:

```
{
  oidc_login_client_secret = "/run/secrets/nextcloud_oidc_secret";
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.settings

Extra options which should be appended to Nextcloud's config.php file.

Type: open submodule of (JSON value)

Default:

```
{ }
```

Example:

```
{
  redis = {
    host = "/run/redis/redis.sock";
    port = 0;
    dbindex = 0;
    password = "secret";
    timeout = 1.5;
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.settings.enabledPreviewProviders

The preview providers that should be explicitly enabled.

Type: list of string

Default:

```
[
  "OC\\Preview\\PNG"
  "OC\\Preview\\JPEG"
```

```
      "OC\\Preview\\GIF"
      "OC\\Preview\\BMP"
      "OC\\Preview\\XBitmap"
      "OC\\Preview\\Krita"
      "OC\\Preview\\WebP"
      "OC\\Preview\\MarkDown"
      "OC\\Preview\\TXT"
      "OC\\Preview\\OpenDocument"
    ]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.settings.default_phone_region

An **ISO 3166−1** country code which replaces automatic phone−number detection without a country code.

As an example, with 'DE' set as the default phone region, the '+49' prefix can be omitted for phone numbers.

Type: string

Default:

```
""
```

Example:

```
"DE"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.settings.log_type

Logging backend to use. systemd automatically adds the php−systemd extensions to services.nextcloud.phpExtraExtensions. See the **nextcloud documentation** for details.

Type: one of "errorlog", "file", "syslog", "systemd"

Default:

```
"syslog"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.settings.loglevel

Log level value between 0 (DEBUG) and 4 (FATAL).

- 0 (debug): Log all activity.
- 1 (info): Log activity such as user logins and file activities, plus warnings, errors, and fatal errors.
- 2 (warn): Log successful operations, as well as warnings of potential problems, errors and fatal errors.
- 3 (error): Log failed operations and fatal errors.
- 4 (fatal): Log only fatal errors that cause the server to stop.

Type: integer between 0 and 4 (both inclusive)

Default:

```
2
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.settings.mail_domain
The return address that you want to appear on emails sent by the Nextcloud server, for example ‘nc−admin@example.com’, substituting your own domain, of course.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.settings.mail_from_address
FROM address that overrides the built−in ‘sharing−noreply’ and ‘lostpassword−noreply’ FROM addresses. Defaults to different FROM addresses depending on the feature.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.settings.mail_send_plaintext_only
Email will be sent by default with an HTML and a plain text body. This option allows sending only plain text emails.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.settings.mail_sendmailmode
For ‘smtp’, the sendmail binary is started with the parameter ‘−bs’: Use the SMTP protocol on standard input and output. For ‘pipe’, the binary is started with the parameters ‘−t’: Read message from STDIN and extract recipients.

Type: one of “smtp”, “pipe”

Default:

```
"smtp"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.settings.mail_smtpauth
This depends on ‘mail_smtpmode’. Change this to ‘true’ if your mail server requires authentication.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.settings.mail_smtpdebug
Enable SMTP class debugging. 'loglevel' will likely need to be adjusted too. **See docs**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.settings.mail_smtphost
This depends on 'mail_smtpmode'. Specify the IP address of your mail server host. This may contain multiple hosts separated by a semicolon. If you need to specify the port number, append it to the IP address separated by a colon, like this: '127.0.0.1:24'.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.settings.mail_smtpmode
Which mode to use for sending mail. If you are using local or remote SMTP, set this to 'smtp'. For the 'sendmail' option, you need an installed and working email system on the server, with your local 'sendmail' installation. For 'qmail', the binary is /var/qmail/bin/sendmail, and it must be installed on your Unix system. Use the string null to send no mails (disable mail delivery). This can be useful if mails should be sent via APIs and rendering messages is not necessary.

Type: one of "sendmail", "smtp", "qmail", "null"

Default:

```
"smtp"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.settings.mail_smtpname
This depends on 'mail_smtpauth'. Specify the username for authenticating to the SMTP server.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.settings.mail_smtpport
This depends on 'mail_smtpmode'. Specify the port for sending mail.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
25
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.settings.mail_smtpsecure
This depends on ‘mail_smtpmode’. Specify ‘ssl’ when you are using SSL/TLS. Any other value will be ignored. If the server advertises STARTTLS capabilities, they might be used, but they cannot be enforced by this config option.

Type: one of “”, “ssl”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.settings.mail_smtpstreamoptions
This depends on ‘mail_smtpmode’. Array of additional streams options that will be passed to underlying Swift mailer implementation.

Type: attribute set of attribute set of anything

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.settings.mail_smtptimeout
This depends on ‘mail_smtpmode’. This sets the SMTP server timeout, in seconds. You may need to increase this if you are running an anti−malware or spam scanner.

Type: signed integer

Default:

```
10
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.settings.mail_template_class
Replaces the default mail template layout. This can be utilized if the options to modify the mail texts with the theming app are not enough. The class must extend ‘\OC\Mail\EMailTemplate’

Type: string

Default:

```
"\\OC\\Mail\\EMailTemplate"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.settings.overwriteprotocol
Force Nextcloud to always use HTTP or HTTPS i.e. for link generation. Nextcloud uses the currently used protocol by default, but when behind a reverse−proxy, it may use ‘http’ for everything although Nextcloud may be served via HTTPS.

Type: one of “”, “http”, “https”

Default:

```
""
```

Example:

```
"https"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.settings."profile.enabled"
Makes user−profiles globally available under 'nextcloud.tld/u/user.name'. Even though it's enabled by default in Nextcloud, it must be explicitly enabled here because it has the side−effect that personal information is even accessible to unauthenticated users by default. By default, the following properties are set to "Show to everyone" if this flag is enabled:

- About
- Full name
- Headline
- Organisation
- Profile picture
- Role
- Twitter
- Website Only has an effect in Nextcloud 23 and later.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.settings.skeletondirectory
The directory where the skeleton files are located. These files will be copied to the data directory of new users. Leave empty to not copy any skeleton files.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.settings.trusted_domains
Trusted domains, from which the nextcloud installation will be accessible. You don't need to add 'services.nextcloud.hostname' here.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.settings.trusted_proxies
Trusted proxies, to provide if the nextcloud installation is being proxied to secure against e.g. spoofing.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud.webfinger
Enable this option if you plan on using the webfinger plugin. The appropriate nginx rewrite rules will be added to your configuration.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nextcloud.nix>

services.nextcloud−spreed−signaling.enable
Whether to enable Spreed standalone signaling server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nextcloud−spreed−signaling.nix>

services.nextcloud−spreed−signaling.package
The nextcloud−spreed−signaling package to use.

Type: package

Default:

```
pkgs.nextcloud−spreed−signaling
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nextcloud−spreed−signaling.nix>

services.nextcloud−spreed−signaling.backends
A list of backends from which clients are allowed to connect from. The name of the attribute will be used as the backend id.

Each backend will have isolated rooms, i.e. clients connecting to room “abc12345” on backend 1 will be in a different room than clients connected to a room with the same name on backend 2. Also sessions connected from different backends will not be able to communicate with each other.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  nextcloud = {
    secretFile = "/run/secrets/nextcloud−secret";
    urls = [
      "https://cloud.example.com"
    ];
  };
```

```
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nextcloud−spreed−signaling.nix>

services.nextcloud−spreed−signaling.backends.<name>.secretFile
The path to the file containing the value for ‘backends.<name>.secret’.

Shared secret for requests from and to the backend servers.

This must be the same value as configured in the Nextloud Talk admin UI.

Type: absolute path

Example:

```
"/run/secrets/backends.<name>.secret"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nextcloud−spreed−signaling.nix>

services.nextcloud−spreed−signaling.backends.<name>.urls
List of URLs of the Nextcloud instance

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nextcloud−spreed−signaling.nix>

services.nextcloud−spreed−signaling.configureNginx
Whether to set up and configure an nginx virtual host according to upstream’s recommendations.

The virtualHost domain must be specified under ‘config.services.nextcloud−spreed−signaling.hostName’ if this is enabled.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nextcloud−spreed−signaling.nix>

services.nextcloud−spreed−signaling.group
Group under which to run the Spreed signaling server.

Type: string

Default:

```
"nextcloud−spreed−signaling"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nextcloud−spreed−signaling.nix>

services.nextcloud−spreed−signaling.hostName

The host name to bind the nginx virtual host to, if ‘config.services.nextcloud−spreed−signaling.configureNginx’ is set to ‘true’.

Type: null or string

Default:

```
null
```

Example:

```
"talk.mydomain.org"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nextcloud−spreed−signaling.nix>

services.nextcloud−spreed−signaling.settings

Declarative configuration. Refer to **https://github.com/strukturag/nextcloud−spreed−signaling/blob/master/server.conf.in** for a list of available options.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nextcloud−spreed−signaling.nix>

services.nextcloud−spreed−signaling.settings.app.debug

Set to “true” to install pprof debug handlers. Access will only be possible from IPs allowed through IPs declared in ‘config.services.nextcloud−spreed−signaling.settings.stats.allowed_ips’.

See “https://golang.org/pkg/net/http/pprof/” for further information.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nextcloud−spreed−signaling.nix>

services.nextcloud−spreed−signaling.settings.backend.allowall

Allow any hostname as backend endpoint. This is insecure and not advised.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nextcloud−spreed−signaling.nix>

services.nextcloud−spreed−signaling.settings.backend.backendtype

Type of backend configuration. Defaults to “static”.

Possible values:

- static: A comma−separated list of backends is given in the “backends” option (derived from ‘config.services.nextcloud−spreed−signaling.backends’)

- etcd: Backends are retrieved from an etcd cluster.

Type: one of “static”, “etcd”

Default:

```
"static"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nextcloud-spreed-signaling.nix>

services.nextcloud-spreed-signaling.settings.backend.connectionsperhost
Maximum number of concurrent backend connections per host

Type: positive integer, meaning >0

Default:

```
8
```

Example:

```
12
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nextcloud-spreed-signaling.nix>

services.nextcloud-spreed-signaling.settings.backend.timeout
Timeout in seconds for requests to the backend

Type: positive integer, meaning >0

Default:

```
10
```

Example:

```
30
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nextcloud-spreed-signaling.nix>

services.nextcloud-spreed-signaling.settings.clients.internalsecretFile
The path to the file containing the value for ‘clients.internalsecret’.

Shared secret for connections from internal clients. This must be the same value as configured in the respective internal services.

Type: absolute path

Example:

```
"/run/secrets/clients.internalsecret"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nextcloud-spreed-signaling.nix>

services.nextcloud-spreed-signaling.settings.etcd.endpoints
List of static etcd endpoints to connect to.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "127.0.0.1:2379"
```

```
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nextcloud−spreed−signaling.nix>

services.nextcloud−spreed−signaling.settings.grpc.listen
IP and port to listen on for GRPC requests. Leave ‘null’ to disable the listener.

Type: null or string

Default:

```
null
```

Example:

```
"127.0.0.1:9090"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nextcloud−spreed−signaling.nix>

services.nextcloud−spreed−signaling.settings.grpc.targets
For target type ‘static’: List of GRPC targets to connect to for clustering mode.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "192.168.0.1:9090"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nextcloud−spreed−signaling.nix>

services.nextcloud−spreed−signaling.settings.http.listen
IP and port to listen on for HTTP requests, in the format of ‘ip:port’.

If set to ‘null’, will not spawn a HTTP listener at all.

Type: null or string

Default:

```
null
```

Example:

```
"127.0.0.1:8080"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nextcloud−spreed−signaling.nix>

services.nextcloud−spreed−signaling.settings.https.certificate
Path to the certificate used for the HTTPS listener. Must be set if ‘config.services.nextcloud−spreed−signaling.settings.https.listen’ is not ‘null’.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/etc/nginx/ssl/server.crt"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nextcloud−spreed−signaling.nix>

services.nextcloud−spreed−signaling.settings.https.key
Path to the private key used for the HTTPS listener. Must be set if ‘config.services.nextcloud−spreed−signaling.settings.https.listen’ is not ‘null’.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/etc/nginx/ssl/server.key"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nextcloud−spreed−signaling.nix>

services.nextcloud−spreed−signaling.settings.https.listen
IP and port to listen on for HTTPS requests, in the format of ‘ip:port’.

If set, must also specify ‘config.services.nextcloud−spreed−signaling.settings.https.certificate’ and ‘config.services.nextcloud−spreed−signaling.settings.https.key’. If set to ‘null’, will not spawn a HTTPS listener at all.

Type: null or string

Default:

```
null
```

Example:

```
"127.0.0.1:8443"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nextcloud−spreed−signaling.nix>

services.nextcloud−spreed−signaling.settings.mcu.type
The type of MCU to use. Leave empty to disable MCU functionality.

Type: null or one of “janus”, “proxy”

Default:

```
null
```

Example:

```
"janus"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nextcloud−spreed−signaling.nix>

services.nextcloud−spreed−signaling.settings.nats.url
URL of one or more NATS backends to use.

This can be set to ‘nats://loopback’ to process NATS messages internally instead.

Type: list of string

Default:

```
[
  "nats://loopback"
]
```

Example:

```
[
  "nats://localhost:4222"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nextcloud-spreed-signaling.nix>

services.nextcloud-spreed-signaling.settings.sessions.blockkeyFile
The path to the file containing the value for 'sessions.blockkey'.

Key for encrypting data in the sessions. Must be either 16, 24, or 32 bytes. Generate one using 'openssl rand -hex 16'

Type: absolute path

Example:

```
"/run/secrets/sessions.blockkey"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nextcloud-spreed-signaling.nix>

services.nextcloud-spreed-signaling.settings.sessions.hashkeyFile
The path to the file containing the value for 'sessions.hashkey'.

Secret value used to generate the checksums of sessions. This should be a random string of 32 or 64 bytes. Generate one using 'openssl rand -hex 32'

Type: absolute path

Example:

```
"/run/secrets/sessions.hashkey"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nextcloud-spreed-signaling.nix>

services.nextcloud-spreed-signaling.settings.stats.allowed_ips
List of IP addresses that are allowed to access the debug, stats and metrics endpoints.

Leave empty or 'null' to only allow access from localhost.

Type: null or (list of string)

Default:

```
null
```

Example:

```
[
  "127.0.0.1"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nextcloud-spreed-signaling.nix>

services.nextcloud-spreed-signaling.settings.turn.apikeyFile
The path to the file containing the value for 'turn.apikey'.

API key that the MCU will need to send when requesting TURN credentials.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/turn.apikey"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nextcloud-spreed-signaling.nix>

services.nextcloud-spreed-signaling.settings.turn.secretFile
The path to the file containing the value for 'turn.secret'.

The shared secret to use for generating TURN credentials. This must be the same as on the TURN server.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/turn.secret"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nextcloud-spreed-signaling.nix>

services.nextcloud-spreed-signaling.settings.turn.servers
A list of TURN servers to use. Leave empty to disable the TURN REST API.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "turn:1.2.3.4:9991?transport=udp"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nextcloud-spreed-signaling.nix>

services.nextcloud-spreed-signaling.stateDir
Directory used for state & config files.

Type: absolute path

Default:

```
"/var/lib/nextcloud-spreed-signaling"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nextcloud-spreed-signaling.nix>

services.nextcloud-spreed-signaling.user
User account under which to run the Spreed signaling server.

Type: string

Default:

```
"nextcloud-spreed-signaling"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nextcloud-spreed-signaling.nix>

services.nextcloud−whiteboard−server.enable

Whether to enable Nextcloud backend server for the Whiteboard app.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/nextcloud−whiteboard−server.nix>

services.nextcloud−whiteboard−server.secrets

A list of files containing the various secrets. Should be in the format expected by systemd's 'EnvironmentFile' directory.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/nextcloud−whiteboard−server.nix>

services.nextcloud−whiteboard−server.settings

Settings to configure backend server. Especially the Nextcloud host url has to be set. The required environment variable 'JWT_SECRET_KEY' should be set via the secrets option.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  NEXTCLOUD_URL = "https://nextcloud.example.org";
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/nextcloud−whiteboard−server.nix>

services.nextdns.enable

Whether to enable the NextDNS DNS/53 to DoH Proxy service.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nextdns.nix>

services.nextdns.arguments

Additional arguments to be passed to nextdns run.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-config"
  "10.0.3.0/24=abcdef"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nextdns.nix>

services.nextjs-ollama-llm-ui.enable
Whether to enable Simple Ollama web UI service; an easy to use web frontend for a Ollama backend service. Run state-of-the-art AI large language models (LLM) similar to ChatGPT locally with privacy on your personal computer. This service is stateless and doesn't store any data on the server; all data is kept locally in your web browser. See **https://github.com/jakobhoeg/nextjs-ollama-llm-ui**.

Required: You need the Ollama backend service running by having "services.nextjs-ollama-llm-ui.ollamaUrl" point to the correct url. You can host such a backend service with NixOS through "services.ollama". .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/nextjs-ollama-llm-ui.nix>

services.nextjs-ollama-llm-ui.package
The nextjs-ollama-llm-ui package to use.

Type: package

Default:

```
pkgs.nextjs-ollama-llm-ui
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/nextjs-ollama-llm-ui.nix>

services.nextjs-ollama-llm-ui.hostname
The hostname under which the Ollama UI interface should be accessible. By default it uses localhost/127.0.0.1 to be accessible only from the local machine. Change to "0.0.0.0" to make it directly accessible from the local network.

Note: You should keep it at 127.0.0.1 and only serve to the local network or internet from a (home) server behind a reverse-proxy and secured encryption. See **https://wiki.nixos.org/wiki/Nginx** for instructions on how to set up a reverse-proxy.

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"ui.example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/nextjs-ollama-llm-ui.nix>

services.nextjs-ollama-llm-ui.ollamaUrl

The address (including host and port) under which we can access the Ollama backend server. !Note that if the the UI service is running under a domain “https://ui.example.org”, the Ollama backend service must allow “CORS” requests from this domain, e.g. by adding “services.ollama.environment.OLLAMA_ORIGINS = [… “https://ui.example.org”];”!

Type: string

Default:

```
"http://127.0.0.1:11434"
```

Example:

```
"https://ollama.example.org"
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/nextjs-ollama-llm-ui.nix>

services.nextjs-ollama-llm-ui.port

The port under which the Ollama UI interface should be accessible.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Example:

```
3000
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/nextjs-ollama-llm-ui.nix>

services.nexus.enable

Whether to enable Sonatype Nexus3 OSS service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/nexus.nix>

services.nexus.package

The nexus package to use.

Type: package

Default:

```
pkgs.nexus
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/nexus.nix>

services.nexus.group

Group which runs Nexus3.

Type: string

Default:

```
"nexus"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nexus.nix>

services.nexus.home
Home directory of the Nexus3 instance.

Type: string

Default:

```
"/var/lib/sonatype−work"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nexus.nix>

services.nexus.jdkPackage
The openjdk8 package to use.

Type: package

Default:

```
pkgs.openjdk8
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nexus.nix>

services.nexus.jvmOpts
Options for the JVM written to ‘nexus.jvmopts’. Please refer to the docs (https://help.sonatype.com/repo-manager3/installation/configuring−the−runtime−environment) for further information.

Type: strings concatenated with “\n”

Default:

```
−Xms1200M
−Xmx1200M
−XX:MaxDirectMemorySize=2G
−XX:+UnlockDiagnosticVMOptions
−XX:+UnsyncloadClass
−XX:+LogVMOutput
−XX:LogFile=${home}/nexus3/log/jvm.log
−XX:−OmitStackTraceInFastThrow
−Djava.net.preferIPv4Stack=true
−Dkaraf.home=${package}
−Dkaraf.base=${package}
−Dkaraf.etc=${package}/etc/karaf
−Djava.util.logging.config.file=${package}/etc/karaf/java.util.l \
ogging.properties
−Dkaraf.data=${home}/nexus3
−Djava.io.tmpdir=${home}/nexus3/tmp
−Dkaraf.startLocalConsole=false
−Djava.endorsed.dirs=${package}/lib/endorsed
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nexus.nix>

services.nexus.listenAddress
Address to listen on.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nexus.nix>

services.nexus.listenPort
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8081
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nexus.nix>

services.nexus.user
User which runs Nexus3.

Type: string

Default:

```
"nexus"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nexus.nix>

services.nezha−agent.enable
Whether to enable Agent of Nezha Monitoring.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/nezha−agent.nix>

services.nezha−agent.package
The nezha−agent package to use.

Type: package

Default:

```
pkgs.nezha−agent
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/nezha−agent.nix>

services.nezha−agent.clientSecretFile
Path to the file contained the client_secret of the dashboard.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/nezha−agent.nix>

services.nezha−agent.debug
Whether to enable verbose log.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/nezha−agent.nix>

services.nezha−agent.genUuid
Whether to generate uuid from fqdn automatically. Please note that changes in hostname/domain will result in different uuid.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/nezha−agent.nix>

services.nezha−agent.settings
Generate to *config.json* as a Nix attribute set. Check the **guide** for possible options.

Type: open submodule of (JSON value)

Declared by:
<nixpkgs/nixos/modules/services/monitoring/nezha−agent.nix>

services.nezha−agent.settings.disable_command_execute
Disable executing the command from dashboard.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/nezha−agent.nix>

services.nezha−agent.settings.disable_nat
Disable NAT penetration.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/nezha-agent.nix>

services.nezha-agent.settings.disable_send_query
Disable sending TCP/ICMP/HTTP requests.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/nezha-agent.nix>

services.nezha-agent.settings.gpu
Enable GPU monitoring.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/nezha-agent.nix>

services.nezha-agent.settings.report_delay
The interval between system status reportings. The value must be an integer from 1 to 4.

Type: integer between 1 and 4 (both inclusive)

Default:

```
3
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/nezha-agent.nix>

services.nezha-agent.settings.server
Address to the dashboard.

Type: string

Example:

```
"127.0.0.1:8008"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/nezha-agent.nix>

services.nezha-agent.settings.skip_connection_count
Do not monitor the number of connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/nezha-agent.nix>

services.nezha-agent.settings.skip_procs_count
Do not monitor the number of processes.

Type: boolean

Default:

`false`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/nezha−agent.nix>

services.nezha−agent.settings.temperature
Enable temperature monitoring.

Type: boolean

Default:

`true`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/nezha−agent.nix>

services.nezha−agent.settings.tls
Enable SSL/TLS encryption.

Type: boolean

Default:

`false`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/nezha−agent.nix>

services.nezha−agent.settings.use_ipv6_country_code
Use ipv6 countrycode to report location.

Type: boolean

Default:

`true`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/nezha−agent.nix>

services.nezha−agent.settings.uuid
Must be set to a unique identifier, preferably a UUID according to RFC 4122. UUIDs can be generated with ‘uuidgen’ command, found in the ‘util−linux’ package.

Set **services.nezha−agent.genUuid** to true to generate uuid from **networking.fqdn** automatically.

Type: null or string

Default:

`null`

Example:

`"6ba7b810−9dad−11d1−80b4−00c04fd430c8"`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/nezha−agent.nix>

services.nfs.extraConfig
Extra nfs−utils configuration.

Type: strings concatenated with “\n”

Default:

`""`

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/nfs.nix>

services.nfs.idmapd.settings
libnfsidmap configuration. Refer to **https://linux.die.net/man/5/idmapd.conf** for details.

Type: attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Example:

```
{
  Translation = {
    GSS-Methods = "static,nsswitch";
  };
  Static = {
    "root/hostname.domain.com@REALM.COM" = "root";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/nfs.nix>

services.nfs.server.enable
Whether to enable the kernel's NFS server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/network-filesystems/nfsd.nix>

services.nfs.server.createMountPoints
Whether to create the mount points in the exports file at startup time.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/network-filesystems/nfsd.nix>

services.nfs.server.exports
Contents of the /etc/exports file. See **exports**(5) for the format.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/network-filesystems/nfsd.nix>

services.nfs.server.extraNfsdConfig

Extra configuration options for the [nfsd] section of /etc/nfs.conf.

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/nfsd.nix>

services.nfs.server.hostName

Hostname or address on which NFS requests will be accepted. Default is all. See the **−H** option in **nfsd**(8).

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/nfsd.nix>

services.nfs.server.lockdPort

Use a fixed port for the NFS lock manager kernel module (‘lockd/nlockmgr’). This is useful if the NFS server is behind a firewall.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Example:

```
4001
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/nfsd.nix>

services.nfs.server.mountdPort

Use fixed port for rpc.mountd, useful if server is behind firewall.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Example:

```
4002
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/nfsd.nix>

services.nfs.server.nproc

Number of NFS server threads. Defaults to the recommended value of 8.

Type: signed integer

Default:

```
8
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/nfsd.nix>

services.nfs.server.statdPort
Use a fixed port for **rpc.statd**. This is useful if the NFS server is behind a firewall.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Example:

```
4000
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/nfsd.nix>

services.nfs.settings
General configuration for NFS daemons and tools. See **nfs.conf**(5) and related man pages for details.

Type: attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Example:

```
{
  mountd.manage-gids = true;
}
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/nfs.nix>

services.nghttpx.enable
Whether to enable nghttpx.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nghttpx/nghttpx−options.nix>

services.nghttpx.backend−address−family
Specify address family of backend connections. If “auto” is given, both IPv4 and IPv6 are considered. If “IPv4” is given, only IPv4 address is considered. If “IPv6” is given, only IPv6 address is considered.

Please see **https://nghttp2.org/documentation/nghttpx.1.html#cmdoption−nghttpx−−backend−address−family**

Type: one of “auto”, “IPv4”, “IPv6”

Default:

```
"auto"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nghttpx/nghttpx−options.nix>

services.nghttpx.backends
A list of backend specifications.

Type: list of (submodule)

Example:

```
[
  {
    params = {
      proto = "http/1.1";
      redirect-if-not-tls = true;
    };
    patterns = [
      "/"
    ];
    server = {
      host = "172.16.0.22";
      port = 8443;
    };
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nghttpx/nghttpx−options.nix>

services.nghttpx.backends.*.params
Parameters to configure a backend.

Type: null or (submodule)

Default:

```
null
```

Example:

```
{
  proto = "h2";
  tls = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nghttpx/nghttpx−options.nix>

services.nghttpx.backends.*.params.affinity
If “ip” is given, client IP based session affinity is enabled. If “none” is given, session affinity is disabled.

Session affinity is enabled (by nghttpx) per−backend pattern. If at least one backend has a non−“none” affinity, then session affinity is enabled for all backend servers sharing the same pattern.

It is advised to set affinity on all backends explicitly if session affinity is desired. The session affinity may break if one of the backend gets unreachable, or backend settings are reloaded or replaced by API.

Please see **https://nghttp2.org/documentation/nghttpx.1.html#cmdoption−nghttpx−b** for more detail.

Type: one of “ip”, “none”

Default:

```
"none"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nghttpx/nghttpx−options.nix>

services.nghttpx.backends.*.params.dns
Name resolution of a backends host name is done at start up, or configuration reload. If “dns” is true, name resolution takes place dynamically.

This is useful if a backends address changes frequently. If “dns” is true, name resolution of a backend’s host name at start up, or configuration reload is skipped.

Please see **https://nghttp2.org/documentation/nghttpx.1.html#cmdoption−nghttpx−b** for more detail.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nghttpx/nghttpx−options.nix>

services.nghttpx.backends.*.params.fall
If nghttpx cannot connect to the backend N times in a row, the backend is assumed to be offline and is excluded from load balancing. If N is 0 the backend is never excluded from load balancing.

Please see **https://nghttp2.org/documentation/nghttpx.1.html#cmdoption−nghttpx−b** for more detail.

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/services/networking/nghttpx/nghttpx−options.nix>

services.nghttpx.backends.*.params.proto
This option configures the protocol the backend server expects to use.

Please see **https://nghttp2.org/documentation/nghttpx.1.html#cmdoption−nghttpx−b** for more detail.

Type: one of “h2”, “http/1.1”

Default:

```
"http/1.1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nghttpx/nghttpx−options.nix>

services.nghttpx.backends.*.params.redirect−if−not−tls
If true, a backend match requires the frontend connection be TLS encrypted. If it is not, nghttpx responds to the request with a 308 status code and https URI the client should use instead in the Location header.

The port number in the redirect URI is 443 by default and can be changed using ‘services.nghttpx.redirect−https−port’ option.

If at least one backend has “redirect−if−not−tls” set to true, this feature is enabled for all backend servers with the same pattern. It is advised to set “redirect−if−no−tls” parameter to all backends explicitly if this feature is desired.

Please see **https://nghttp2.org/documentation/nghttpx.1.html#cmdoption−nghttpx−b** for more detail.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nghttpx/nghttpx−options.nix>

services.nghttpx.backends.*.params.rise
If the backend is excluded from load balancing, nghttpx will periodically attempt to make a connection to the backend. If the connection is successful N times in a row the backend is re−included in load balancing. If N is 0 a backend is never reconsidered for load balancing once it falls.

Please see **https://nghttp2.org/documentation/nghttpx.1.html#cmdoption−nghttpx−b** for more detail.

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/services/networking/nghttpx/nghttpx−options.nix>

services.nghttpx.backends.*.params.sni
Override the TLS SNI field value. This value (in nghttpx) defaults to the host value of the backend configuration.

Please see **https://nghttp2.org/documentation/nghttpx.1.html#cmdoption−nghttpx−b** for more detail.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nghttpx/nghttpx−options.nix>

services.nghttpx.backends.*.params.tls
This option determines whether nghttpx will negotiate its connection with a backend server using TLS or not. The burden is on the backend server to provide the TLS certificate!

Please see **https://nghttp2.org/documentation/nghttpx.1.html#cmdoption−nghttpx−b** for more detail.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nghttpx/nghttpx−options.nix>

services.nghttpx.backends.*.patterns
List of nghttpx backend patterns.

Please see **https://nghttp2.org/documentation/nghttpx.1.html#cmdoption−nghttpx−b** for more information on the pattern syntax and nghttpxs behavior.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "*.host.net/v1/"
  "host.org/v2/mypath"
  "/somepath"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nghttpx/nghttpx−options.nix>

services.nghttpx.backends.*.server
Backend server location specified as either a host:port pair or a unix domain docket.

Type: (submodule) or absolute path

Default:

```
{
  host = "127.0.0.1";
  port = 80;
}
```

Example:

```
{
  host = "127.0.0.1";
  port = 8888;
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nghttpx/nghttpx−options.nix>

services.nghttpx.backlog
Listen backlog size.

Please see **https://nghttp2.org/documentation/nghttpx.1.html#cmdoption−nghttpx−−backlog**

Type: signed integer

Default:

```
65536
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nghttpx/nghttpx−options.nix>

services.nghttpx.extraConfig
Extra configuration options to be appended to the generated configuration file.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nghttpx/nghttpx−options.nix>

services.nghttpx.frontends
A list of frontend listener specifications.

Type: list of (submodule)

Example:

```
[
  {
    params = {
      tls = "no-tls";
    };
    server = {
      host = "*";
      port = 80;
```

```
    };
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nghttpx/nghttpx−options.nix>

services.nghttpx.frontends.*.params
Parameters to configure a backend.

Type: null or (submodule)

Default:

```
null
```

Example:

```
{
  tls = "tls";
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nghttpx/nghttpx−options.nix>

services.nghttpx.frontends.*.params.api
Enable API access for this frontend. This enables you to dynamically modify nghttpx at run−time therefore this feature is disabled by default and should be turned on with care.

Please see **https://nghttp2.org/documentation/nghttpx.1.html#cmdoption−nghttpx−f** for more detail.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nghttpx/nghttpx−options.nix>

services.nghttpx.frontends.*.params.healthmon
Make this frontend a health monitor endpoint. Any request received on this frontend is responded to with a 200 OK.

Please see **https://nghttp2.org/documentation/nghttpx.1.html#cmdoption−nghttpx−f** for more detail.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nghttpx/nghttpx−options.nix>

services.nghttpx.frontends.*.params.proxyproto
Accept PROXY protocol version 1 on frontend connection.

Please see **https://nghttp2.org/documentation/nghttpx.1.html#cmdoption−nghttpx−f** for more detail.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nghttpx/nghttpx−options.nix>

services.nghttpx.frontends.*.params.sni−fwd
When performing a match to select a backend server, SNI host name received from the client is used instead of the request host. See −−backend option about the pattern match.

Please see **https://nghttp2.org/documentation/nghttpx.1.html#cmdoption−nghttpx−f** for more detail.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nghttpx/nghttpx−options.nix>

services.nghttpx.frontends.*.params.tls
Enable or disable TLS. If true (enabled) the key and certificate must be configured for nghttpx.

Please see **https://nghttp2.org/documentation/nghttpx.1.html#cmdoption−nghttpx−f** for more detail.

Type: one of “tls”, “no−tls”

Default:

```
"tls"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nghttpx/nghttpx−options.nix>

services.nghttpx.frontends.*.server
Frontend server interface binding specification as either a host:port pair or a unix domain docket.

NB: a host of “*” listens on all interfaces and includes IPv6 addresses.

Type: (submodule) or absolute path

Default:

```
{
  host = "127.0.0.1";
  port = 80;
}
```

Example:

```
{
  host = "127.0.0.1";
  port = 8888;
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nghttpx/nghttpx−options.nix>

services.nghttpx.rlimit−nofile
Set maximum number of open files (RLIMIT_NOFILE) to <N>. If 0 is given, nghttpx does not set the limit.

Please see **https://nghttp2.org/documentation/nghttpx.1.html#cmdoption−nghttpx−−rlimit−nofile**

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/services/networking/nghttpx/nghttpx−options.nix>

services.nghttpx.single−process
Run this program in a single process mode for debugging purpose. Without this option, nghttpx creates at least 2 processes: master and worker processes. If this option is used, master and worker are unified into a single process. nghttpx still spawns additional process if neverbleed is used. In the single process mode, the signal handling feature is disabled.

Please see **https://nghttp2.org/documentation/nghttpx.1.html#cmdoption−nghttpx−−single−process**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nghttpx/nghttpx−options.nix>

services.nghttpx.single−thread
Run everything in one thread inside the worker process. This feature is provided for better debugging experience, or for the platforms which lack thread support. If threading is disabled, this option is always enabled.

Please see **https://nghttp2.org/documentation/nghttpx.1.html#cmdoption−nghttpx−−single−thread**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nghttpx/nghttpx−options.nix>

services.nghttpx.tls
TLS certificate and key paths. Note that this does not enable TLS for a frontend listener, to do so, a frontend specification must set ‘params.tls’ to true.

Type: null or (submodule)

Default:

```
null
```

Example:

```
{
  crt = "/etc/ssl/certs/server.crt";
  key = "/etc/ssl/keys/server.key";
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nghttpx/nghttpx−options.nix>

services.nghttpx.tls.crt
Path to the TLS certificate file.

Type: string

Default:

```
"/etc/ssl/certs/server.crt"
```

Example:

```
"/etc/ssl/certs/mycert.crt"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nghttpx/nghttpx−options.nix>

services.nghttpx.tls.key
Path to the TLS key file.

Type: string

Default:

```
"/etc/ssl/keys/server.key"
```

Example:

```
"/etc/ssl/keys/mykeyfile.key"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nghttpx/nghttpx−options.nix>

services.nghttpx.workers
Set the number of worker threads.

Please see **https://nghttp2.org/documentation/nghttpx.1.html#cmdoption−nghttpx−n**

Type: signed integer

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nghttpx/nghttpx−options.nix>

services.nginx.enable
Whether to enable Nginx Web Server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.enableQuicBPF
Enables routing of QUIC packets using eBPF. When enabled, this allows to support QUIC connection migration. The directive is only supported on Linux 5.7+. Note that enabling this option will make nginx run with extended capabilities that are usually limited to processes running as root namely ‘CAP_SYS_ADMIN’ and ‘CAP_NET_ADMIN’.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.enableReload

Reload nginx when configuration file changes (instead of restart). The configuration file is exposed at */etc/nginx/nginx.conf*. See also 'systemd.services.*.restartIfChanged'.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.package

Nginx package to use. This defaults to the stable version. Note that the nginx team recommends to use the mainline version which available in nixpkgs as 'nginxMainline'. Supported Nginx forks include 'angie', 'openresty' and 'tengine'.

Type: package

Default:

```
pkgs.nginxStable
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.additionalModules

Additional **third−party nginx modules** to install. Packaged modules are available in 'pkgs.nginxModules'.

Type: list of attribute set of anything

Default:

```
[ ]
```

Example:

```
[ pkgs.nginxModules.echo ]
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.appendConfig

Configuration lines appended to the generated Nginx configuration file. Commonly used by different modules providing http snippets. **appendConfig** can be specified more than once and its value will be concatenated (contrary to **config** which can be set only once).

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.appendHttpConfig

Configuration lines to be appended to the generated http block. This is mutually exclusive with using config and httpConfig for specifying the whole http block verbatim.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.clientMaxBodySize
Set nginx global client_max_body_size.

Type: string

Default:

```
"10m"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.commonHttpConfig
With nginx you must provide common http context definitions before they are used, e.g. log_format, resolver, etc. inside of server or location contexts. Use this attribute to set these definitions at the appropriate location.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
resolver 127.0.0.1 valid=5s;

log_format myformat '$remote_addr − $remote_user [$time_local] '
                    '"$request" $status $body_bytes_sent '
                    '"$http_referer" "$http_user_agent"';
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.config
Verbatim *nginx.conf* configuration. This is mutually exclusive to any other config option for *nginx.conf* except for

- **services.nginx.appendConfig**
- **services.nginx.httpConfig**
- **services.nginx.logError**

If additional verbatim config in addition to other options is needed, **services.nginx.appendConfig** should be used instead.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.defaultHTTPListenPort
If vhosts do not specify listen.port, use these ports for HTTP by default.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
80
```

Example:

```
8080
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.defaultListen

If vhosts do not specify listen, use these addresses by default. This option takes precedence over **defaultListenAddresses** and other listen−related defaults options.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  { addr = "10.0.0.12"; proxyProtocol = true; ssl = true; }
  { addr = "0.0.0.0"; }
  { addr = "[::0]"; }
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.defaultListen.*.addr

IP address.

Type: string

Declared by:

<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.defaultListen.*.extraParameters

Extra parameters of this listen directive.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "backlog=1024"
  "deferred"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.defaultListen.*.port

Port number.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.defaultListen.*.proxyProtocol

Enable PROXY protocol.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.defaultListen.*.ssl

Enable SSL.

Type: null or boolean

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.defaultListenAddresses

If vhosts do not specify listenAddresses, use these addresses by default. This is akin to writing ‘defaultListen = [{ addr = "0.0.0.0" }]’.

Type: list of string

Default:

```
[ "0.0.0.0" ] ++ lib.optional config.networking.enableIPv6 "[::0]"
```

Example:

```
[ "10.0.0.12" "[2002:a00:1::]" ]
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.defaultMimeTypes

Default MIME types for NGINX, as MIME types definitions from NGINX are very incomplete, we use by default the ones bundled in the mailcap package, used by most of the other Linux distributions.

Type: absolute path

Default:

```
$''{pkgs.mailcap}/etc/nginx/mime.types
```

Example:

```
$''{pkgs.nginx}/conf/mime.types
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.defaultSSLListenPort

If vhosts do not specify listen.port, use these ports for SSL by default.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
443
```

Example:

```
8443
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.eventsConfig
Configuration lines to be set inside the events block.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.experimentalZstdSettings
Enable alpha quality zstd module with recommended settings. Learn more about compression in Zstd format **here**.

This adds ‘pkgs.nginxModules.zstd’ to ‘services.nginx.additionalModules’.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.gitweb.enable
If true, enable gitweb in nginx.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/gitweb.nix>

services.nginx.gitweb.group
Group that the CGI process will belong to. (Set to ‘config.services.gitolite.group’ if you are using gitolite.)

Type: string

Default:

```
"nginx"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/gitweb.nix>

services.nginx.gitweb.location
Location to serve gitweb on.

Type: string

Default:

```
"/gitweb"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/gitweb.nix>

services.nginx.gitweb.user

Existing user that the CGI process will belong to. (Default almost surely will do.)

Type: string

Default:

```
"nginx"
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/nginx/gitweb.nix>

services.nginx.gitweb.virtualHost

VirtualHost to serve gitweb on. Default is catch−all.

Type: string

Default:

```
"_"
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/nginx/gitweb.nix>

services.nginx.group

Group account under which nginx runs.

Type: string

Default:

```
"nginx"
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.httpConfig

Configuration lines to be set inside the http block. This is mutually exclusive with the structured configuration via virtualHosts and the recommendedXyzSettings configuration options. See appendHttpConfig for appending to the generated http block.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.logError

Configures logging. The first parameter defines a file that will store the log. The special value stderr selects the standard error file. Logging to syslog can be configured by specifying the “syslog:” prefix. The second parameter determines the level of logging, and can be one of the following: debug, info, notice, warn, error, crit, alert, or emerg. Log levels above are listed in the order of increasing severity. Setting a certain log level will cause all messages of the specified and more severe log levels to be logged. If this parameter is omitted then error is used.

Type: string

Default:

```
"stderr"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.mapHashBucketSize
Sets the bucket size for the map variables hash tables. Default value depends on the processor's cache line size.

Refer to **the nginx docs on hashes** for more information.

Type: null or (positive integer, meaning >0)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.mapHashMaxSize
Sets the maximum size of the map variables hash tables.

Type: null or (positive integer, meaning >0)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.preStart
Shell commands executed before the service's nginx is started.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.prependConfig
Configuration lines prepended to the generated Nginx configuration file. Can for example be used to load modules. **prependConfig** can be specified more than once and its value will be concatenated (contrary to **config** which can be set only once).

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.proxyCachePath
Configure a proxy cache path entry. See **https://nginx.org/en/docs/http/ngx_http_proxy_module.html#proxy_cache_path** for documentation.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.proxyCachePath.<name>.enable
Whether to enable this proxy cache path entry.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.proxyCachePath.<name>.inactive
Cached data that has not been accessed for the time specified by the inactive parameter is removed from the cache, regardless of its freshness.

Type: string

Default:

```
"10m"
```

Example:

```
"1d"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.proxyCachePath.<name>.keysZoneName
Set name to shared memory zone.

Type: string

Default:

```
"cache"
```

Example:

```
"my_cache"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.proxyCachePath.<name>.keysZoneSize
Set size to shared memory zone.

Type: string

Default:

```
"10m"
```

Example:

```
"32m"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.proxyCachePath.<name>.levels

The levels parameter defines structure of subdirectories in cache: from 1 to 3, each level accepts values 1 or 2. Can be used any combination of 1 and 2 in these formats: x, x:x and x:x:x.

Type: string

Default:

```
"1:2"
```

Example:

```
"1:2:2"
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.proxyCachePath.<name>.maxSize

Set maximum cache size

Type: string

Default:

```
"1g"
```

Example:

```
"2048m"
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.proxyCachePath.<name>.useTempPath

Nginx first writes files that are destined for the cache to a temporary storage area, and the use_temp_path=off directive instructs Nginx to write them to the same directories where they will be cached. Recommended that you set this parameter to off to avoid unnecessary copying of data between file systems.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.proxyResolveWhileRunning

Resolves domains of proxyPass targets at runtime and not only at startup. This can be used as a workaround if nginx fails to start because of not−yet−working DNS.

:::{.warn} ‘services.nginx.resolver’ must be set for this option to work. :::

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.proxyTimeout

Change the proxy related timeouts in recommendedProxySettings.

Type: string

Default:

```
"60s"
```

Example:

```
"20s"
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.recommendedBrotliSettings

Enable recommended brotli settings. Learn more about compression in Brotli format **here**.

This adds ‘pkgs.nginxModules.brotli’ to ‘services.nginx.additionalModules’.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.recommendedGzipSettings

Enable recommended gzip settings. Learn more about compression in Gzip format **here**.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.recommendedOptimisation

Enable recommended optimisation settings.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.recommendedProxySettings

Whether to enable recommended proxy settings if a vhost does not specify the option manually.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.recommendedTlsSettings
Enable recommended TLS settings.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.recommendedUwsgiSettings
Whether to enable recommended uwsgi settings if a vhost does not specify the option manually.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.resolver
Configures name servers used to resolve names of upstream servers into addresses

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.resolver.addresses
List of resolvers to use

Type: list of string

Default:

```
[ ]
```

Example:

```
[ "[::1]" "127.0.0.1:5353" ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.resolver.ipv4
By default, nginx will look up both IPv4 and IPv6 addresses while resolving. If looking up of IPv4 addresses is not desired, the ipv4=off parameter can be specified.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.resolver.ipv6

By default, nginx will look up both IPv4 and IPv6 addresses while resolving. If looking up of IPv6 addresses is not desired, the ipv6=off parameter can be specified.

Type: boolean

Default:

```
config.networking.enableIPv6
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.resolver.valid

By default, nginx caches answers using the TTL value of a response. An optional valid parameter allows overriding it

Type: string

Default:

```
""
```

Example:

```
"30s"
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.serverNamesHashBucketSize

Sets the bucket size for the server names hash tables. Default value depends on the processor’s cache line size.

Type: null or (positive integer, meaning >0)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.serverNamesHashMaxSize

Sets the maximum size of the server names hash tables.

Type: null or (positive integer, meaning >0)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.serverTokens

Show nginx version in headers and error pages.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.sslCiphers

List of available cipher suites to choose from when negotiating TLS sessions.

:::{.warn} This option only handles cipher suites up to TLSv1.2. Use ‘ssl_conf_command CipherSuites’ to configure TLSv1.3 cipher suites. :::

Type: null or string or list of string

Default:

```
[
  "ECDHE-ECDSA-AES128-GCM-SHA256"
  "ECDHE-RSA-AES128-GCM-SHA256"
  "ECDHE-ECDSA-AES256-GCM-SHA384"
  "ECDHE-RSA-AES256-GCM-SHA384"
  "ECDHE-ECDSA-CHACHA20-POLY1305"
  "ECDHE-RSA-CHACHA20-POLY1305"
  "DHE-RSA-AES128-GCM-SHA256"
  "DHE-RSA-AES256-GCM-SHA384"
  "DHE-RSA-CHACHA20-POLY1305"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web-servers/nginx/default.nix>

services.nginx.sslDhparam

Path to DH parameters file, or ‘true’ to generate with ‘security.dhparms.params.nginx’.

Type: absolute path or boolean

Default:

```
false
```

Example:

```
"/path/to/dhparams.pem"
```

Declared by:

<nixpkgs/nixos/modules/services/web-servers/nginx/default.nix>

services.nginx.sslProtocols

Allowed TLS protocol versions.

Type: string

Default:

```
"TLSv1.2 TLSv1.3"
```

Example:

```
"TLSv1.3"
```

Declared by:

<nixpkgs/nixos/modules/services/web-servers/nginx/default.nix>

services.nginx.sso.enable

Whether to enable nginx-sso service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/nginx-sso.nix>

services.nginx.sso.package
The nginx-sso package to use.

Type: package

Default:

```
pkgs.nginx-sso
```

Declared by:
<nixpkgs/nixos/modules/services/security/nginx-sso.nix>

services.nginx.sso.configuration
nginx-sso configuration (**documentation**) as a Nix attribute set.

Options containing secret data should be set to an attribute set with the singleton attribute '_secret' - a string value set to the path to the file containing the secret value which should be used in the configuration.

Type: YAML 1.1 value

Default:

```
{ }
```

Example:

```
{
  listen = { addr = "127.0.0.1"; port = 8080; };
  providers.token.tokens = {
    myuser = {
      _secret = "/path/to/secret/token.txt"; # File content should  \
be the secret token
    };
  };
  acl = {
    rule_sets = [
      {
        rules = [ { field = "x-application"; equals = "MyApp"; } ] \
;
        allow = [ "myuser" ];
      }
    ];
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/security/nginx-sso.nix>

services.nginx.statusPage
Enable status page reachable from localhost on http://127.0.0.1/nginx_status.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.streamConfig
Configuration lines to be set inside the stream block.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
server {
  listen 127.0.0.1:53 udp reuseport;
  proxy_timeout 20s;
  proxy_pass 192.168.0.1:53535;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.tailscaleAuth.enable
Whether to enable tailscale.nginx−auth, to authenticate nginx users via tailscale.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/tailscale−auth.nix>

services.nginx.tailscaleAuth.package
Alias of **services.tailscaleAuth.package**.

Type: package

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/tailscale−auth.nix>

services.nginx.tailscaleAuth.expectedTailnet
If you want to prevent node sharing from allowing users to access services across tailnets, declare your expected tailnets domain here.

Type: null or string

Default:

```
""
```

Example:

```
"tailnet012345.ts.net"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/tailscale−auth.nix>

services.nginx.tailscaleAuth.group

Alias of **services.tailscaleAuth.group**.

Type: string

Declared by:

<nixpkgs/nixos/modules/services/web−servers/nginx/tailscale−auth.nix>

services.nginx.tailscaleAuth.socketPath

Alias of **services.tailscaleAuth.socketPath**.

Type: absolute path

Declared by:

<nixpkgs/nixos/modules/services/web−servers/nginx/tailscale−auth.nix>

services.nginx.tailscaleAuth.user

Alias of **services.tailscaleAuth.user**.

Type: string

Declared by:

<nixpkgs/nixos/modules/services/web−servers/nginx/tailscale−auth.nix>

services.nginx.tailscaleAuth.virtualHosts

A list of nginx virtual hosts to put behind tailscale.nginx−auth

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/nginx/tailscale−auth.nix>

services.nginx.typesHashMaxSize

Sets the maximum size of the types hash tables (‘types_hash_max_size’). It is recommended that the minimum size possible size is used. If **recommendedOptimisation** is disabled, nginx would otherwise fail to start since the mailmap ‘mime.types’ database has more entries than the nginx default value 1024.

Type: positive integer, meaning >0

Default:

```
if config.services.nginx.defaultMimeTypes == "${pkgs.mailcap}/etc/n \
ginx/mime.types" then 2688 else 1024
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.upstreams

Defines a group of servers to use as proxy target.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  backend = {
    extraConfig = ''
      keepalive 16;
    '';
```

```
      servers = {
        "backend1.example.com:8080" = {
          weight = 5;
        };
        "backend2.example.com" = {
          fail_timeout = "30s";
          max_fails = 3;
        };
        "backend3.example.com" = { };
        "backup1.example.com" = {
          backup = true;
        };
        "backup2.example.com" = {
          backup = true;
        };
      };
    };
    memcached = {
      servers = {
        "unix:/run/memcached/memcached.sock" = { };
      };
    };
  }
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.upstreams.<name>.extraConfig

These lines go to the end of the upstream verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.upstreams.<name>.servers

Defines the address and other parameters of the upstream servers. See **the documentation** for the available parameters.

Type: attribute set of (open submodule of attribute set of (boolean or signed integer or string))

Default:

```
{ }
```

Example: see **services.nginx.upstreams**

Declared by:

<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.upstreams.<name>.servers.<name>.backup

Marks the server as a backup server. It will be passed requests when the primary servers are unavailable.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.user
User account under which nginx runs.

Type: string

Default:

```
"nginx"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.uwsgiResolveWhileRunning
Resolves domains of uwsgi targets at runtime and not only at start, you have to set services.nginx.resolver, too.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.uwsgiTimeout
Change the uwsgi related timeouts in recommendedUwsgiSettings.

Type: string

Default:

```
"60s"
```

Example:

```
"20s"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.validateConfigFile
Whether to enable validating configuration with pkgs.writeNginxConfig.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts
Declarative vhost config

Type: attribute set of (submodule)

Default:

```
{
  localhost = { };
}
```

Example:

```
{
  "hydra.example.com" = {
    forceSSL = true;
    enableACME = true;
    locations."/" = {
      proxyPass = "http://localhost:3000";
    };
  };
};
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.enableACME
Whether to ask Let's Encrypt to sign a certificate for this vhost. Alternately, you can use an existing certificate through **useACMEHost**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.acmeFallbackHost
Host which to proxy requests to if ACME challenge is not found. Useful if you want multiple hosts to be able to verify the same domain name.

With this option, you could request certificates for the present domain with an ACME client that is running on another host, which you would specify here.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.acmeRoot
Directory for the ACME challenge, which is **public**. Don't put certs or keys in here. Set to null to inherit from config.security.acme.

Type: null or string

Default:

```
"/var/lib/acme/acme-challenge"
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.addSSL
Whether to enable HTTPS in addition to plain HTTP. This will set defaults for 'listen' to listen on all interfaces on the respective default ports (80, 443).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.basicAuth
Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.basicAuthFile
Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.default
Makes this vhost the default.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.extraConfig
These lines go to the end of the vhost verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.forceSSL
Whether to add a separate nginx server block that redirects (defaults to 301, configurable with ‘redirectCode’) all plain HTTP traffic to HTTPS. This will set defaults for ‘listen’ to listen on all interfaces on the respective default ports (80, 443), where the non−SSL listens are used for the redirect vhosts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.globalRedirect
If set, all requests for this host are redirected (defaults to 301, configurable with 'redirectCode') to the given hostname.

Type: null or string

Default:

```
null
```

Example:

```
"newserver.example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.http2
Whether to enable the HTTP/2 protocol. Note that (as of writing) due to nginx's implementation, to disable HTTP/2 you have to disable it on all vhosts that use a given IP address / port. If there is one server block configured to enable http2, then it is enabled for all server blocks on this IP. See **https://stackoverflow.com/a/39466948/263061**.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.http3
Whether to enable the HTTP/3 protocol. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that HTTP/3 support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/** HTTP/3 availability must be manually advertised, preferably in each location block.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.http3_hq
Whether to enable the HTTP/0.9 protocol negotiation used in QUIC interoperability tests. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that special application protocol support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.kTLS
Whether to enable kTLS support. Implementing TLS in the kernel (kTLS) improves performance by significantly reducing the need for copying operations between user space and the kernel. Required Nginx version 1.21.4 or later.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.listen
Listen addresses and ports for this virtual host. IPv6 addresses must be enclosed in square brackets. Note: this option overrides ‘addSSL’ and ‘onlySSL’.

If you only want to set the addresses manually and not the ports, take a look at ‘listenAddresses’.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    addr = "195.154.1.1";
    port = 443;
    ssl = true;
  }
  {
    addr = "192.154.1.1";
    port = 80;
  }
  {
    addr = "unix:/var/run/nginx.sock";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.listen.*.addr
Listen address.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.listen.*.extraParameters
Extra parameters of this listen directive.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "backlog=1024"
  "deferred"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.listen.*.port
Port number to listen on. If unset and the listen address is not a socket then nginx defaults to 80.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.listen.*.proxyProtocol
Enable PROXY protocol.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.listen.*.ssl
Enable SSL.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.listenAddresses
Listen addresses for this virtual host. Compared to ‘listen’ this only sets the addresses and the ports are chosen automatically.

Note: This option overrides ‘networking.enableIPv6’

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "127.0.0.1"
  "[::1]"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.locations
Declarative location config

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "/" = {
    proxyPass = "http://localhost:3000";
  };
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.locations.<name>.alias
Alias directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/alias/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.locations.<name>.basicAuth
Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.locations.<name>.basicAuthFile
Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.locations.<name>.extraConfig
These lines go to the end of the location verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.locations.<name>.fastcgiParams
FastCGI parameters to override. Unlike in the Nginx configuration file, overriding only some default parameters won’t unset the default values for other parameters.

Type: attribute set of (string or absolute path)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.locations.<name>.index
Adds index directive.

Type: null or string

Default:

```
null
```

Example:

```
"index.php index.html"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.locations.<name>.priority
Order of this location block in relation to the others in the vhost. The semantics are the same as with ‘lib.mkOrder’. Smaller values have a greater priority.

Type: signed integer

Default:

```
1000
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.locations.<name>.proxyPass
Adds proxy_pass directive and sets recommended proxy headers if recommendedProxySettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"http://www.example.org/"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.locations.<name>.proxyWebsockets
Whether to support proxying websocket connections with HTTP/1.1.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.locations.<name>.recommendedProxySettings
Enable recommended proxy settings.

Type: boolean

Default:

```
config.services.nginx.recommendedProxySettings
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.locations.<name>.recommendedUwsgiSettings
Enable recommended uwsgi settings.

Type: boolean

Default:

```
config.services.nginx.recommendedUwsgiSettings
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.locations.<name>.return
Adds a return directive, for e.g. redirections.

Type: null or string or signed integer

Default:

```
null
```

Example:

```
"301 http://example.com$request_uri"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.locations.<name>.root
Root directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/root/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.locations.<name>.tryFiles
Adds try_files directive.

Type: null or string

Default:

```
null
```

Example:

```
"$uri =404"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.locations.<name>.uwsgiPass
Adds uwsgi_pass directive and sets recommended proxy headers if recommendedUwsgiSettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"unix:/run/example/example.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.onlySSL
Whether to enable HTTPS and reject plain HTTP connections. This will set defaults for ‘listen’ to listen on all interfaces on port 443.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.quic
Whether to enable the QUIC transport protocol. Note that QUIC support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.redirectCode
HTTP status used by ‘globalRedirect’ and ‘forceSSL’. Possible usecases include temporary (302, 307) redirects, keeping the request method and body (307, 308), or explicitly resetting the method to GET (303). See **https://developer.mozilla.org/en−US/docs/Web/HTTP/Redirections**.

Type: integer between 300 and 399 (both inclusive)

Default:

```
301
```

Example:

```
308
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.rejectSSL
Whether to listen for and reject all HTTPS connections to this vhost. Useful in **default** server blocks to avoid serving the certificate for another vhost. Uses the 'ssl_reject_handshake' directive available in nginx versions 1.19.4 and above.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.reuseport
Create an individual listening socket . It is required to specify only once on one of the hosts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.root
The path of the web root directory.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/data/webserver/docs"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.serverAliases
Additional names of virtual hosts served by this virtual host configuration.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
  "example.org"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.serverName
Name of this virtual host. Defaults to attribute name in virtualHosts.

Type: null or string

Default:

```
null
```

Example:

```
"example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.sslCertificate
Path to server SSL certificate.

Type: absolute path

Example:

```
"/var/host.cert"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.sslCertificateKey
Path to server SSL certificate key.

Type: absolute path

Example:

```
"/var/host.key"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.sslTrustedCertificate
Path to root SSL certificate for stapling and client certificates.

Type: null or absolute path

Default:

```
null
```

Example:

```
"${pkgs.cacert}/etc/ssl/certs/ca−bundle.crt"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

services.nginx.virtualHosts.<name>.useACMEHost
A host of an existing Let’s Encrypt certificate to use. This is useful if you have many subdomains and want to avoid hitting the **rate limit**. Alternately, you can generate a certificate through **enableACME**. *Note that this option does not create any certificates, nor it does add subdomains to existing ones – you will need to create them manually using* **security.acme.certs**[2].

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/nginx/default.nix>

2. see the **security.acme.certs** option

services.ngircd.enable
Whether to enable the ngircd IRC server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ngircd.nix>

services.ngircd.package
The ngircd package to use.

Type: package

Default:

```
pkgs.ngircd
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ngircd.nix>

services.ngircd.config
The ngircd configuration (see **ngircd.conf**(5)).

Type: strings concatenated with “\n”

Declared by:
<nixpkgs/nixos/modules/services/networking/ngircd.nix>

services.nifi.enable
Whether to enable Apache NiFi.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nifi.nix>

services.nifi.enableHTTPS
Enable HTTPS protocol. Don`t use in production.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nifi.nix>

services.nifi.package
The nifi package to use.

Type: package

Default:

```
pkgs.nifi
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nifi.nix>

services.nifi.group
Group account where Apache NiFi runs.

Type: string

Default:

```
"nifi"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nifi.nix>

services.nifi.initJavaHeapSize
Set the initial heap size for the JVM in MB.

Type: null or signed integer

Default:

```
null
```

Example:

```
1024
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nifi.nix>

services.nifi.initPasswordFile
nitial password for Apache NiFi. Password must be at least 12 characters.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/nifi/password−nifi"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nifi.nix>

services.nifi.initUser
Initial user account for Apache NiFi. Username must be at least 4 characters.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nifi.nix>

services.nifi.listenHost

Bind to an ip for Apache NiFi web−ui.

Type: string

Default:

```
if config.services.nifi.enableHTTPS
then "0.0.0.0"
else "127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/nifi.nix>

services.nifi.listenPort

Bind to a port for Apache NiFi web−ui.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
if config.services.nifi.enableHTTPS
then "8443"
else "8000"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/nifi.nix>

services.nifi.maxJavaHeapSize

Set the initial heap size for the JVM in MB.

Type: null or signed integer

Default:

```
null
```

Example:

```
2048
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/nifi.nix>

services.nifi.proxyHost

Allow requests from a specific host.

Type: null or string

Default:

```
if config.services.nifi.enableHTTPS
then "0.0.0.0"
else null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/nifi.nix>

services.nifi.proxyPort

Allow requests from a specific port.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
if config.services.nifi.enableHTTPS
then "8443"
else null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nifi.nix>

services.nifi.user
User account where Apache NiFi runs.

Type: string

Default:

```
"nifi"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nifi.nix>

services.nipap.enable
Whether to enable global Neat IP Address Planner (NIPAP) configuration.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nipap.nix>

services.nipap.authBackendSettings
auth.backends options to set in /etc/nipap/nipap.conf.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{
  local = {
    db_path = "/var/lib/nipap/local_auth.db";
    type = "SqliteAuth";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nipap.nix>

services.nipap.nipap−www.enable
Whether to enable nipap−www server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nipap.nix>

services.nipap.nipap−www.package
The nipap−www package to use.

Type: package

Default:

```
pkgs.nipap−www
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nipap.nix>

services.nipap.nipap−www.host
Host to bind to.

Type: null or string

Default:

```
"::"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nipap.nix>

services.nipap.nipap−www.port
Port to bind to.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
21337
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nipap.nix>

services.nipap.nipap−www.umask
umask for files written by Gunicorn, including UNIX socket.

Type: string

Default:

```
"0"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nipap.nix>

services.nipap.nipap−www.unixSocket
Path to UNIX socket to bind to.

Type: null or string

Default:

```
null
```

Example:

```
"/run/nipap/nipap−www.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nipap.nix>

services.nipap.nipap−www.workers
Number of worker processes for Gunicorn to fork.

Type: signed integer

Default:

```
4
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nipap.nix>

services.nipap.nipap−www.xmlrpcURIFile
Path to file containing XMLRPC URI for use by web UI − this is a secret, since it contains auth credentials. If null, it will be initialized assuming that the auth database is local.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nipap.nix>

services.nipap.nipapd.enable
Whether to enable nipapd server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nipap.nix>

services.nipap.nipapd.package
The nipap package to use.

Type: package

Default:

```
pkgs.nipap
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nipap.nix>

services.nipap.nipapd.database.createLocally
Create a nipap database automatically.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nipap.nix>

services.nipap.settings
Configuration options to set in /etc/nipap/nipap.conf.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nipap.nix>

services.nipap.settings.auth.auth_cache_timeout
Seconds to store cached auth entries for.

Type: signed integer

Default:

```
3600
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nipap.nix>

services.nipap.settings.auth.default_backend
Name of auth backend to use by default.

Type: string

Default:

```
"local"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nipap.nix>

services.nipap.settings.nipapd.db_host
PostgreSQL host to connect to. Empty means use UNIX socket.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nipap.nix>

services.nipap.settings.nipapd.db_name
Name of database to use on PostgreSQL server.

Type: string

Default:

```
"nipap"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nipap.nix>

services.nipap.settings.nipapd.debug
Enable debug logging.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nipap.nix>

services.nipap.settings.nipapd.foreground
Remain in foreground rather than forking to background.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nipap.nix>

services.nipap.settings.nipapd.listen
IP address to bind nipapd to.

Type: string

Default:

```
"::1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nipap.nix>

services.nipap.settings.nipapd.port
Port to bind nipapd to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
1337
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nipap.nix>

services.nipap.user
User to use for running NIPAP services.

Type: string

Default:

```
"nipap"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nipap.nix>

services.nitter.enable
Whether to enable Nitter, an alternative Twitter front−end.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nitter.package
The nitter package to use.

Type: package

Default:

```
pkgs.nitter
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nitter.cache.listMinutes
How long to cache list info (not the tweets, so keep it high).

Type: signed integer

Default:

```
240
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nitter.cache.redisConnections
Redis connection pool size.

Type: signed integer

Default:

```
20
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nitter.cache.redisHost
Redis host.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nitter.cache.redisMaxConnections
Maximum number of connections to Redis.

New connections are opened when none are available, but if the pool size goes above this, they are closed when released, do not worry about this unless you receive tons of requests per second.

Type: signed integer

Default:

```
30
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nitter.cache.redisPort
Redis port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
6379
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nitter.cache.rssMinutes
How long to cache RSS queries.

Type: signed integer

Default:

```
10
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nitter.config.enableDebug
Whether to enable request logs and debug endpoints.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nitter.config.enableRSS
Whether to enable RSS feeds.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nitter.config.base64Media
Use base64 encoding for proxied media URLs.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nitter.config.proxy
URL to a HTTP/HTTPS proxy.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nitter.config.proxyAuth
Credentials for proxy.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nitter.config.tokenCount
Minimum amount of usable tokens.

Tokens are used to authorize API requests, but they expire after ~1 hour, and have a limit of 187 requests. The limit gets reset every 15 minutes, and the pool is filled up so there is always at least tokenCount usable tokens. Only increase this if you receive major bursts all the time.

Type: signed integer

Default:

```
10
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nitter.openFirewall
Open ports in the firewall for Nitter web interface.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nitter.preferences.autoplayGifs
Autoplay GIFs.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nitter.preferences.bidiSupport
Support bidirectional text (makes clicking on tweets harder).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nitter.preferences.hideBanner
Hide profile banner.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nitter.preferences.hidePins
Hide pinned tweets.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nitter.preferences.hideReplies
Hide tweet replies.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nitter.preferences.hideTweetStats
Hide tweet stats (replies, retweets, likes).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nitter.preferences.hlsPlayback
Enable HLS video streaming (requires JavaScript).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nitter.preferences.infiniteScroll
Infinite scrolling (requires JavaScript, experimental!).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nitter.preferences.mp4Playback
Enable MP4 video playback.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nitter.preferences.muteVideos
Mute videos by default.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nitter.preferences.proxyVideos
Proxy video streaming through the server (might be slow).

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nitter.preferences.replaceReddit
Replace Reddit links with links to this instance (blank to disable).

Type: string

Default:

```
""
```

Example:

```
"teddit.net"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nitter.preferences.replaceTwitter
Replace Twitter links with links to this instance (blank to disable).

Type: string

Default:

```
""
```

Example:

```
"nitter.net"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nitter.preferences.replaceYouTube
Replace YouTube links with links to this instance (blank to disable).

Type: string

Default:
`""`

Example:
`"piped.kavin.rocks"`

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nitter.preferences.squareAvatars
Square profile pictures.

Type: boolean

Default:
`false`

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nitter.preferences.stickyProfile
Make profile sidebar stick to top.

Type: boolean

Default:
`true`

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nitter.preferences.theme
Instance theme.

Type: string

Default:
`"Nitter"`

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nitter.redisCreateLocally
Configure local Redis server for Nitter.

Type: boolean

Default:
`true`

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nitter.server.address
The address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Example:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nitter.server.hostname
Hostname of the instance.

Type: string

Default:

```
"localhost"
```

Example:

```
"nitter.net"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nitter.server.httpMaxConnections
Maximum number of HTTP connections.

Type: signed integer

Default:

```
100
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nitter.server.https
Set secure attribute on cookies. Keep it disabled to enable cookies when not using HTTPS.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nitter.server.port
The port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Example:

```
8000
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nitter.server.staticDir
Path to the static files directory.

Type: absolute path

Default:

```
"${config.services.nitter.package}/share/nitter/public"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nitter.server.title
Title of the instance.

Type: string

Default:

```
"nitter"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nitter.sessionsFile
Path to the session tokens file.

This file contains a list of session tokens that can be used to access the instance without logging in. The file is in JSONL format, where each line is a JSON object with the following fields:

{“oauth_token”:“some_token”,“oauth_token_secret”:“some_secret_key”}

See **https://github.com/zedeus/nitter/wiki/Creating-session-tokens** for more information on session tokens and how to generate them.

Type: absolute path

Default:

```
"/var/lib/nitter/sessions.jsonl"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nitter.settings
Add settings here to override NixOS module generated settings.

Check the official repository for the available settings: **https://github.com/zedeus/nitter/blob/master/nitter.example.conf**

Type: attribute set

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nitter.nix>

services.nix-serve.enable
Whether to enable nix-serve, the standalone Nix binary cache server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nix-serve.nix>

services.nix-serve.package
The nix-serve package to use.

Type: package

Default:

```
pkgs.nix-serve
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nix-serve.nix>

services.nix-serve.bindAddress
IP address where nix-serve will bind its listening socket.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nix-serve.nix>

services.nix-serve.extraParams
Extra command line parameters for nix-serve.

Type: strings concatenated with " "

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nix-serve.nix>

services.nix-serve.openFirewall
Open ports in the firewall for nix-serve.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nix-serve.nix>

services.nix-serve.port
Port number where nix-serve will listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5000
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nix-serve.nix>

services.nix−serve.secretKeyFile

The path to the file used for signing derivation data. Generate with:

```
nix−store −−generate−binary−cache−key key−name secret−key− \
file public−key−file
```

For more details see **nix−store**(1).

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nix−serve.nix>

services.nix−store−gcs−proxy

An attribute set describing an HTTP to GCS proxy that allows us to use GCS bucket via HTTP protocol.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nix−store−gcs−proxy.nix>

services.nix−store−gcs−proxy.<name>.enable

Whether to enable proxy for this bucket

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nix−store−gcs−proxy.nix>

services.nix−store−gcs−proxy.<name>.address

The address of the proxy.

Type: string

Example:

```
"localhost:3000"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nix−store−gcs−proxy.nix>

services.nix−store−gcs−proxy.<name>.bucketName

Name of Google storage bucket

Type: string

Default:

```
"‹name›"
```

Example:

```
"my−bucket−name"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nix−store−gcs−proxy.nix>

services.nixops−dns.enable
Whether to enable the nixops−dns resolution of NixOps virtual machines via dnsmasq and fake domain name.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nixops−dns.nix>

services.nixops−dns.dnsmasq
Enable dnsmasq forwarding to nixops−dns. This allows to use nixops−dns for ‘services.nixops−dns.domain’ resolution while forwarding the rest of the queries to original resolvers.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nixops−dns.nix>

services.nixops−dns.domain
Fake domain name to resolve to NixOps virtual machines.

For example “ops” will resolve “vm.ops”.

Type: string

Default:

```
"ops"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nixops−dns.nix>

services.nixops−dns.user
The user the nixops−dns daemon should run as. This should be the user, which is also used for nixops and have the .nixops directory in its home.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/nixops−dns.nix>

services.nixseparatedebuginfod2.enable
Whether to enable nixseparatedebuginfod2, a debuginfod server providing source and debuginfo for nix packages.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/development/nixseparatedebuginfod2.nix>

services.nixseparatedebuginfod2.package
The nixseparatedebuginfod2 package to use.

Type: package

Default:

```
pkgs.nixseparatedebuginfod2
```

Declared by:
<nixpkgs/nixos/modules/services/development/nixseparatedebuginfod2.nix>

services.nixseparatedebuginfod2.cacheExpirationDelay
keep unused cache entries for this long. A number followed by a unit

Type: string

Default:

```
"1d"
```

Declared by:
<nixpkgs/nixos/modules/services/development/nixseparatedebuginfod2.nix>

services.nixseparatedebuginfod2.port
port to listen

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
1949
```

Declared by:
<nixpkgs/nixos/modules/services/development/nixseparatedebuginfod2.nix>

services.nixseparatedebuginfod2.substituters
nix substituter to fetch debuginfo from. Either http/https/file substituters, or ‘local:’ to use debuginfo present in the local store.

Type: list of string

Default:

```
[
  "local:"
  "https://cache.nixos.org"
]
```

Declared by:
<nixpkgs/nixos/modules/services/development/nixseparatedebuginfod2.nix>

services.nmtrust.enable
Whether to enable network trust management.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nmtrust.nix>

services.nmtrust.evalFailurePolicy
How to handle trust evaluation failures (D−Bus errors, NM unavailable). ‘"untrusted"’ (default) is fail−closed: trusted−only units stop. ‘"offline"’ allows units with **allowOffline** to run.

Type: one of “untrusted”, “offline”

Default:

```
"untrusted"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nmtrust.nix>

services.nmtrust.excludedConnectionPatterns
Glob patterns matched against connection names at runtime using fnmatch(3) with FNM_NOESCAPE. Connection names are treated as literal strings (no backslash interpretation). Matching connections are ignored when computing trust state.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nmtrust.nix>

services.nmtrust.mixedPolicy
How to treat mixed trust state (some connections trusted, some untrusted).

Type: one of “trusted”, “untrusted”

Default:

```
"untrusted"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nmtrust.nix>

services.nmtrust.systemUnits
System units to bind to the trusted network target. Keys are systemd unit names.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nmtrust.nix>

services.nmtrust.systemUnits.<name>.allowOffline
Whether this unit should also run when offline.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nmtrust.nix>

services.nmtrust.trustedConnections

List of NetworkManager profile names from **networking.networkmanager.ensureProfiles**. UUIDs are resolved at evaluation time.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nmtrust.nix>

services.nmtrust.trustedUUIDsExtra

Additional trusted connection UUIDs not managed via **networking.networkmanager.ensureProfiles**. Must be valid UUID format.

Type: list of string matching the pattern [0−9a−fA−F]{8}−[0−9a−fA−F]{4}−[0−9a−fA−F]{4}−[0−9a−fA−F]{4}−[0−9a−fA−F]{12}

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nmtrust.nix>

services.nmtrust.userUnits

Per−user units to bind to the trusted network target. Outer keys are usernames, inner keys are systemd unit names. Users must have linger enabled (**users.users.<name>.linger**).

Type: attribute set of attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  alice = {
    "etesync-dav.service" = { };
    "syncthing.service" = { allowOffline = true; };
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nmtrust.nix>

services.nmtrust.userUnits.<name>.<name>.allowOffline

Whether this unit should also run when offline.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nmtrust.nix>

services.nncp.caller.enable

Whether to enable cron'ed NNCP TCP daemon caller. The daemon will take configuration from **programs.nncp.settings** .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nncp.nix>

services.nncp.caller.extraArgs

Extra command−line arguments to pass to caller.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-autotoss"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nncp.nix>

services.nncp.daemon.enable

Whether to enable NNCP TCP synronization daemon. The daemon will take configuration from **programs.nncp.settings** .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nncp.nix>

services.nncp.daemon.extraArgs

Extra command−line arguments to pass to daemon.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-autotoss"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nncp.nix>

services.nncp.daemon.socketActivation.enable
Whether to enable socket activation for nncp−daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nncp.nix>

services.nncp.daemon.socketActivation.listenStreams
TCP sockets to bind to. See **systemd.sockets.<name>.listenStreams**.

Type: list of string

Default:

```
[
  "5400"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nncp.nix>

services.nntp−proxy.enable
Whether to enable NNTP−Proxy.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nntp−proxy.nix>

services.nntp−proxy.listenAddress
Proxy listen address (IPv6 literal addresses need to be enclosed in “[” and “]” characters)

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"[::]"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nntp−proxy.nix>

services.nntp−proxy.port
Proxy listen port

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5555
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nntp−proxy.nix>

services.nntp−proxy.prohibitPosting
Whether to prohibit posting to the upstream server

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nntp−proxy.nix>

services.nntp−proxy.sslCert
Proxy ssl certificate path

Type: string

Default:

```
"cert.pem"
```

Example:

```
"/path/to/your/cert.file"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nntp−proxy.nix>

services.nntp−proxy.sslKey
Proxy ssl key path

Type: string

Default:

```
"key.pem"
```

Example:

```
"/path/to/your/key.file"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nntp−proxy.nix>

services.nntp−proxy.upstreamMaxConnections
Upstream server maximum allowed concurrent connections

Type: signed integer

Default:

```
20
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nntp−proxy.nix>

services.nntp−proxy.upstreamPassword
Upstream server password

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nntp−proxy.nix>

services.nntp−proxy.upstreamPort
Upstream server port

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
563
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nntp−proxy.nix>

services.nntp−proxy.upstreamServer
Upstream server address

Type: string

Default:

```
""
```

Example:

```
"ssl−eu.astraweb.com"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nntp−proxy.nix>

services.nntp−proxy.upstreamUser
Upstream server username

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nntp−proxy.nix>

services.nntp−proxy.users
NNTP−Proxy user configuration

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "user1" = {
    passwordHash = "$6$1l0t5Kn2Dk$appzivc./9l/kjq57eg5UCsBKlcfyCr0z \
NWYNerKoPsI1d7eAwiT0SVsOVx/CTgaBNT/u4fi2vN.iGlPfv1ek0";
    maxConnections = 5;
  };
```

```
  "anotheruser" = {
    passwordHash = "$6$6lwEsWB.TmsS$W7m1riUx4QrA8pKJz8hvff0dnF1NwtZ \
XgdjmGqA1Dx2MDPj07tI9GNcb0SWlMglE.2/hBgynDdAd/XqqtRqVQ0";
    maxConnections = 7;
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nntp-proxy.nix>

services.nntp-proxy.users.<name>.maxConnections
Maximum number of concurrent connections to the proxy for this user

Type: signed integer

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nntp-proxy.nix>

services.nntp-proxy.users.<name>.passwordHash
SHA-512 password hash (can be generated by 'mkpasswd -m sha-512 <password>')

Type: string

Example:

```
"$6$GtzE7FrpE$wwuVgFYU.TZH4Rz.Snjxk9XGua89IeVwPQ/fEUD8eujr40q5Y021y \
hn0aNcsQ2Ifw.BLclyzvzgegopgKcneL0"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nntp-proxy.nix>

services.nntp-proxy.users.<name>.username
Username

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/nntp-proxy.nix>

services.nntp-proxy.verbosity
Verbosity level

Type: one of "error", "warning", "notice", "info", "debug"

Default:

```
"info"
```

Example:

```
"error"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nntp-proxy.nix>

services.node-red.enable
Whether to enable the Node-RED service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/node−red.nix>

services.node−red.package
The node−red package to use.

Type: package

Default:

```
pkgs.node−red
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/node−red.nix>

services.node−red.configFile
Path to the JavaScript configuration file. See **https://github.com/node−red/node−red/blob/master/packages/node_modules/node−red/settings.js** for a configuration example.

Type: absolute path

Default:

```
"${package}/lib/node_modules/node−red/packages/node_modules/node− \
red/settings.js"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/node−red.nix>

services.node−red.define
List of settings.js overrides to pass via −D to Node−RED.

Type: attribute set

Default:

```
{ }
```

Example:

```
{
  "logging.console.level" = "trace";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/node−red.nix>

services.node−red.group
Group under which Node−RED runs.If left as the default value this group will automatically be created on system activation, otherwise the sysadmin is responsible for ensuring the group exists.

Type: string

Default:

```
"node−red"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/node−red.nix>

services.node−red.openFirewall

Open ports in the firewall for the server.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/node−red.nix>

services.node−red.port

Listening port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
1880
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/node−red.nix>

services.node−red.safe

Whether to launch Node−RED in −−safe mode.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/node−red.nix>

services.node−red.user

User under which Node−RED runs.If left as the default value this user will automatically be created on system activation, otherwise the sysadmin is responsible for ensuring the user exists.

Type: string

Default:

```
"node-red"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/node−red.nix>

services.node−red.userDir

The directory to store all user data, such as flow and credential files and all library data. If left as the default value this directory will automatically be created before the node−red service starts, otherwise the sysadmin is responsible for ensuring the directory exists with appropriate ownership and permissions.

Type: absolute path

Default:

```
"/var/lib/node-red"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/node−red.nix>

services.node−red.withNpmAndGcc

Give Node−RED access to npm and GCC at runtime, so ‘Nodes’ can be downloaded and managed imperatively via the ‘Palette Manager’.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/node−red.nix>

services.nohang.enable

Whether to enable nohang, a daemon that keeps system responsiveness when Linux is out of memory.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/system/nohang.nix>

services.nohang.package

The nohang package to use.

Type: package

Default:

```
pkgs.nohang
```

Declared by:

<nixpkgs/nixos/modules/services/system/nohang.nix>

services.nohang.configPath

Configuration file to use with nohang. The default and desktop example configurations in the nohang repository can be used by setting this to “basic” or “desktop” (which is the default). Otherwise, you can set it to the path of a custom configuration file.

Type: one of “basic”, “desktop” or absolute path

Default:

```
"desktop"
```

Example:

```
./my−nohang−config.conf
```

Declared by:

<nixpkgs/nixos/modules/services/system/nohang.nix>

services.nomad.enable

Whether to enable Nomad, a distributed, highly available, datacenter−aware scheduler.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nomad.nix>

services.nomad.enableDocker
Enable Docker support. Needed for Nomad's docker driver.

Note that the docker group membership is effectively equivalent to being root, see **https://github.com/moby/moby/issues/9976**.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nomad.nix>

services.nomad.package
The nomad package to use.

Type: package

Default:

```
pkgs.nomad
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nomad.nix>

services.nomad.credentials
Credentials envs used to configure nomad secrets.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  logs_remote_write_password = "/run/keys/nomad_write_password";
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nomad.nix>

services.nomad.dropPrivileges
Whether the nomad agent should be run as a non−root nomad user.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nomad.nix>

services.nomad.extraPackages
Extra packages to add to **PATH** for the Nomad agent process.

Type: list of package

Default:

```
[ ]
```

Example:

```
with pkgs; [ cni-plugins ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nomad.nix>

services.nomad.extraSettingsPaths

Additional settings paths used to configure nomad. These can be files or directories.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[ "/etc/nomad-mutable.json" "/run/keys/nomad-with-secrets.json"  \
"/etc/nomad/config.d" ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nomad.nix>

services.nomad.extraSettingsPlugins

Additional plugins dir used to configure nomad.

Type: list of (package or absolute path)

Default:

```
[ ]
```

Example:

```
[ "<pluginDir>" pkgs.nomad-driver-nix pkgs.nomad-driver-podman  \
 ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nomad.nix>

services.nomad.settings

Configuration for Nomad. See the **documentation** for supported values.

Notes about ‘data_dir’:

If ‘data_dir’ is set to a value other than the default value of ‘"/var/lib/nomad"’ it is the Nomad cluster manager’s responsibility to make sure that this directory exists and has the appropriate permissions.

Additionally, if ‘dropPrivileges’ is ‘true’ then ‘data_dir’ *cannot* be customized. Setting ‘dropPrivileges’ to ‘true’ enables the ‘DynamicUser’ feature of systemd which directly manages and operates on ‘StateDirectory’.

Type: JSON value

Default:

```
{ }
```

Example:

```
{
  # A minimal config example:
  server = {
    enabled = true;
    bootstrap_expect = 1; # for demo; no fault tolerance
  };
  client = {
```

```
    enabled = true;
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nomad.nix>

services.nominatim.enable
Whether to enable nominatim.

Also enables nginx virtual host management. Further nginx configuration can be done by adapting ‘services.nginx.virtualHosts.<name>’. See **services.nginx.virtualHosts**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/search/nominatim.nix>

services.nominatim.package
The nominatim−api package to use.

Type: package

Default:

```
pkgs.nominatim-api
```

Declared by:
<nixpkgs/nixos/modules/services/search/nominatim.nix>

services.nominatim.database.apiUser
Postgresql database user with read−only permissions used for Nominatim web API service.

Type: string

Default:

```
"nominatim-api"
```

Declared by:
<nixpkgs/nixos/modules/services/search/nominatim.nix>

services.nominatim.database.dbname
Name of the postgresql database.

Type: string

Default:

```
"nominatim"
```

Declared by:
<nixpkgs/nixos/modules/services/search/nominatim.nix>

services.nominatim.database.extraConnectionParams
Extra Nominatim database connection parameters.

Format: <param1>=<value1>;<param2>=<value2>

See **https://www.postgresql.org/docs/current/libpq−connect.html#LIBPQ−PARAMKEYWORDS**.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/search/nominatim.nix>

services.nominatim.database.host
Host of the postgresql server. If not set to 'localhost', Nominatim database and postgresql superuser with appropriate permissions must exist on target host.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/search/nominatim.nix>

services.nominatim.database.passwordFile
Password file used for Nominatim database connection. Must be readable only for the Nominatim web API user.

The file must be a valid '.pgpass' file as described in: **https://www.postgresql.org/docs/current/libpq-pgpass.html**

In most cases, the following will be enough:

```
*:*:*:*:<password>
```

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/search/nominatim.nix>

services.nominatim.database.port
Port of the postgresql database.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5432
```

Declared by:
<nixpkgs/nixos/modules/services/search/nominatim.nix>

services.nominatim.database.superUser
Postgresql database superuser used to create Nominatim database and import data. If 'database.host' is set to 'localhost', a unix user and group of the same name will be automatically created.

Type: string

Default:

```
"nominatim"
```

Declared by:
<nixpkgs/nixos/modules/services/search/nominatim.nix>

services.nominatim.hostName
Hostname to use for the nginx vhost.

Type: string

Example:

```
"nominatim.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/search/nominatim.nix>

services.nominatim.settings
Nominatim configuration settings. For the list of available configuration options see **https://nominatim.org/release-docs/latest/customize/Settings**.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  NOMINATIM_REPLICATION_URL = "https://planet.openstreetmap.org/rep \
lication/minute";
  NOMINATIM_REPLICATION_MAX_DIFF = "100";
}
```

Declared by:
<nixpkgs/nixos/modules/services/search/nominatim.nix>

services.nominatim.ui.package
The nominatim-ui package to use.

Type: package

Default:

```
pkgs.nominatim-ui
```

Declared by:
<nixpkgs/nixos/modules/services/search/nominatim.nix>

services.nominatim.ui.config
Nominatim UI configuration placed to theme/config.theme.js file.

For the list of available configuration options see **https://github.com/osm-search/nominatim-ui/blob/master/dist/config.defaults.js**.

Type: null or string

Default:

```
null
```

Example:

```
  Nominatim_Config.Page_Title='My Nominatim instance';
  Nominatim_Config.Nominatim_API_Endpoint='https://localhost/';
```

Declared by:
<nixpkgs/nixos/modules/services/search/nominatim.nix>

services.nostr-rs-relay.enable
Whether to enable nostr-rs-relay.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nostr−rs−relay.nix>

services.nostr−rs−relay.package
The nostr−rs−relay package to use.

Type: package

Default:

```
pkgs.nostr-rs-relay
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nostr−rs−relay.nix>

services.nostr−rs−relay.dataDir
Directory for SQLite files.

Type: absolute path

Default:

```
"/var/lib/nostr-rs-relay"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nostr−rs−relay.nix>

services.nostr−rs−relay.port
Listen on this port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
12849
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nostr−rs−relay.nix>

services.nostr−rs−relay.settings
See **https://git.sr.ht/~gheartsfield/nostr−rs−relay/#configuration** for documentation.

Type: TOML value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/nostr−rs−relay.nix>

services.novacomd.enable
Whether to enable Novacom service for connecting to WebOS devices.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/novacomd.nix>

services.nscd.enable

Whether to enable the Name Service Cache Daemon. Disabling this is strongly discouraged, as this effectively disables NSS Lookups from all non−glibc NSS modules, including the ones provided by systemd.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/system/nscd.nix>

services.nscd.enableNsncd

Whether to use nsncd instead of nscd from glibc. This is a nscd−compatible daemon, that proxies lookups, without any caching. Using nscd from glibc is discouraged.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/system/nscd.nix>

services.nscd.package

package containing the nscd binary to be used by the service. Ignored when enableNsncd is set to true.

Type: package

Default:

```
if pkgs.stdenv.hostPlatform.libc == "glibc"
  then pkgs.stdenv.cc.libc.bin
  else pkgs.glibc.bin;
```

Declared by:

<nixpkgs/nixos/modules/services/system/nscd.nix>

services.nscd.config

Configuration to use for Name Service Cache Daemon. Only used in case glibc−nscd is used.

Type: strings concatenated with “\n”

Default:

```
  # We basically use nscd as a proxy for forwarding nss requests to \
 appropriate
  # nss modules, as we run nscd with LD_LIBRARY_PATH set to the dir \
ectory
  # containing all such modules
  # Note that we can not use ‘enable−cache no‘ As this will actual \
ly cause nscd
  # to just reject the nss requests it receives, which then causes  \
glibc to
  # fallback to trying to handle the request by itself. Which won’t \
 work as glibc
  # is not aware of the path in which the nss modules live.  As a w \
orkaround, we
  # have ‘enable−cache yes‘ with an explicit ttl of 0
  server−user             nscd

  enable−cache            passwd          yes
```

```
positive-time-to-live   passwd          0
negative-time-to-live   passwd          0
shared                  passwd          yes

enable-cache            group           yes
positive-time-to-live   group           0
negative-time-to-live   group           0
shared                  group           yes

enable-cache            netgroup        yes
positive-time-to-live   netgroup        0
negative-time-to-live   netgroup        0
shared                  netgroup        yes

enable-cache            hosts           yes
positive-time-to-live   hosts           0
negative-time-to-live   hosts           0
shared                  hosts           yes

enable-cache            services        yes
positive-time-to-live   services        0
negative-time-to-live   services        0
shared                  services        yes
```

Declared by:
<nixpkgs/nixos/modules/services/system/nscd.nix>

services.nscd.group
User group under which nscd runs.

Type: string

Default:

```
"nscd"
```

Declared by:
<nixpkgs/nixos/modules/services/system/nscd.nix>

services.nscd.user
User account under which nscd runs.

Type: string

Default:

```
"nscd"
```

Declared by:
<nixpkgs/nixos/modules/services/system/nscd.nix>

services.nsd.enable
Whether to enable NSD authoritative DNS server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.bind8Stats
Whether to enable BIND8 like statistics.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.dnssecInterval
How often to check whether dnssec key rollover is required

Type: string

Default:

```
"1h"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.extraConfig
Extra nsd config.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.hideVersion
Whether NSD should answer VERSION.BIND and VERSION.SERVER CHAOS class queries.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.identity
Identify the server (CH TXT ID.SERVER entry).

Type: string

Default:

```
"unidentified server"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.interfaces

What addresses the server should listen to.

Type: list of string

Default:

```
[
  "127.0.0.0"
  "::1"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.ipFreebind

Whether to bind to nonlocal addresses and interfaces that are down. Similar to ip−transparent.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.ipTransparent

Allow binding to non local addresses.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.ipv4

Whether to listen on IPv4 connections.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.ipv4EDNSSize

Preferred EDNS buffer size for IPv4.

Type: signed integer

Default:

```
4096
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.ipv6

Whether to listen on IPv6 connections.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.ipv6EDNSSize

Preferred EDNS buffer size for IPv6.

Type: signed integer

Default:

```
4096
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.keys

Define your TSIG keys here.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{ "tsig.example.org" = {
    algorithm = "hmac-md5";
    keyFile = "/path/to/my/key";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.keys.<name>.algorithm

Authentication algorithm for this key.

Type: string

Default:

```
"hmac-sha256"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.keys.<name>.keyFile

Path to the file which contains the actual base64 encoded key. The key will be copied into “/var/lib/nsd/private” before NSD starts. The copied file is only accessibly by the NSD user.

Type: absolute path

Declared by:

<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.logTimeAscii

Log time in ascii, if false then in unix epoch seconds.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.nsid

NSID identity (hex string, or “ascii_somestring”).

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.port

Port the service should bind do.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
53
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.ratelimit.enable

Whether to enable ratelimit capabilities.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.ratelimit.ipv4PrefixLength

IPv4 prefix length. Addresses are grouped by netblock.

Type: null or signed integer

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.ratelimit.ipv6PrefixLength

IPv6 prefix length. Addresses are grouped by netblock.

Type: null or signed integer

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.ratelimit.ratelimit

Max qps allowed from any query source. 0 means unlimited. With an verbosity of 2 blocked and unblocked subnets will be logged.

Type: signed integer

Default:

```
200
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.ratelimit.size

Size of the hashtable. More buckets use more memory but lower the chance of hash hash collisions.

Type: signed integer

Default:

```
1000000
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.ratelimit.slip

Number of packets that get discarded before replying a SLIP response. 0 disables SLIP responses. 1 will make every response a SLIP response.

Type: null or signed integer

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.ratelimit.whitelistRatelimit

Max qps allowed from whitelisted sources. 0 means unlimited. Set the rrl−whitelist option for specific queries to apply this limit instead of the default to them.

Type: signed integer

Default:

```
2000
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.remoteControl.enable

Whether to enable remote control via nsd−control.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.remoteControl.controlCertFile

Path to the client certificate signed with the server certificate. This file is used by nsd−control and generated by nsd−control−setup.

Type: absolute path

Default:

```
"/etc/nsd/nsd_control.pem"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.remoteControl.controlKeyFile

Path to the client private key, which is used by nsd−control but not by the server. This file is generated by nsd−control−setup.

Type: absolute path

Default:

```
"/etc/nsd/nsd_control.key"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.remoteControl.interfaces

Which interfaces NSD should bind to for remote control.

Type: list of string

Default:

```
[
  "127.0.0.1"
  "::1"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.remoteControl.port

Port number for remote control operations (uses TLS over TCP).

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8952
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.remoteControl.serverCertFile
Path to the server self signed certificate, which is used by the server but and by nsd−control. This file is generated by nsd−control−setup.

Type: absolute path

Default:

```
"/etc/nsd/nsd_server.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.remoteControl.serverKeyFile
Path to the server private key, which is used by the server but not by nsd−control. This file is generated by nsd−control−setup.

Type: absolute path

Default:

```
"/etc/nsd/nsd_server.key"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.reuseport
Whether to enable SO_REUSEPORT on all used sockets. This lets multiple processes bind to the same port. This speeds up operation especially if the server count is greater than one and makes fast restarts less prone to fail

Type: boolean

Default:

```
pkgs.stdenv.hostPlatform.isLinux
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.rootServer
Whether this server will be a root server (a DNS root server, you usually don’t want that).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.roundRobin
Whether to enable round robin rotation of records.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.serverCount
Number of NSD servers to fork. Put the number of CPUs to use here.

Type: signed integer

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.statistics
Statistics are produced every number of seconds. Prints to log. If null no statistics are logged.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.tcpCount
Maximum number of concurrent TCP connections per server.

Type: signed integer

Default:

```
100
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.tcpQueryCount
Maximum number of queries served on a single TCP connection. 0 means no maximum.

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.tcpTimeout
TCP timeout in seconds.

Type: signed integer

Default:

```
120
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.verbosity
Verbosity level.

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.version
The version string replied for CH TXT version.server and version.bind queries. Will use the compiled package version on null. See hideVersion for enabling/disabling this responses.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.xfrdReloadTimeout
Number of seconds between reloads triggered by xfrd.

Type: signed integer

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.zonefilesCheck
Whether to check mtime of all zone files on start and sighup.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.zonefilesWrite
Write changed secondary zones to their zonefile every N seconds. If the zone (pattern) configuration has “” zonefile, it is not written. Zones that have received zone transfer updates are written to their zonefile. 0 disables writing to zone files.

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.zones
Define your zones here. Zones can cascade other zones and therefore inherit settings from parent zones. Look at the definition of children to learn about inheritance and child zones. The given example will define 3 zones (example.(com|org|net).). Both example.com. and example.org. inherit their configuration from serverGroup1.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{ "serverGroup1" = {
    provideXFR = [ "10.1.2.3 NOKEY" ];
```

```
      children = {
        "example.com." = {
          data = ''
            $ORIGIN example.com.
            $TTL    86400
            @ IN SOA a.ns.example.com. admin.example.com. (
            ...
          '';
        };
        "example.org." = {
          data = ''
            $ORIGIN example.org.
            $TTL    86400
            @ IN SOA a.ns.example.com. admin.example.com. (
            ...
          '';
        };
      };
      "example.net." = {
        provideXFR = [ "10.3.2.1 NOKEY" ];
        data = ''
          ...
        '';
      };
    }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.zones.<name>.allowAXFRFallback

If NSD as secondary server should be allowed to AXFR if the primary server does not allow IXFR.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.zones.<name>.allowNotify

Listed primary servers are allowed to notify this secondary server.

Format: ‘<ip> <key−name | NOKEY | BLOCKED>’

‘<ip>’ either a plain IPv4/IPv6 address or range. Valid patters for ranges:

- ‘10.0.0.0/24’: via subnet size
- ‘10.0.0.0&255.255.255.0’: via subnet mask
- ‘10.0.0.1−10.0.0.254’: via range

A optional port number could be added with a ‘@’:

- ‘2001:1234::1@1234’

‘<key−name | NOKEY | BLOCKED>’

- ‘<key−name>’ will use the specified TSIG key
- ‘NOKEY’ no TSIG signature is required

- ‘BLOCKED’notifies from non−listed or blocked IPs will be ignored

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "192.0.2.0/24 NOKEY"
  "10.0.0.1−10.0.0.5 my_tsig_key_name"
  "10.0.3.4&255.255.0.0 BLOCKED"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.zones.<name>.children

Children zones inherit all options of their parents. Attributes defined in a child will overwrite the ones of its parent. Only leaf zones will be actually served. This way it’s possible to define maybe zones which share most attributes without duplicating everything. This mechanism replaces nsd’s patterns in a save and functional way.

Type: attribute set of anything

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.zones.<name>.data

The actual zone data. This is the content of your zone file. Use imports or pkgs.lib.readFile if you don’t want this data in your config file.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.zones.<name>.dnssec

Whether to enable DNSSEC.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.zones.<name>.dnssecPolicy.algorithm

Which algorithm to use for DNSSEC

Type: string

Default:

```
"RSASHA256"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.zones.<name>.dnssecPolicy.coverage

The length of time to ensure that keys will be correct; no action will be taken to create new keys to be activated after this time.

Type: string

Default:

```
"1y"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.zones.<name>.dnssecPolicy.keyttl

TTL for dnssec records

Type: string

Default:

```
"1h"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.zones.<name>.dnssecPolicy.ksk

Key policy for key signing keys

Type: submodule

Default:

```
{
  keySize = 4096;
  postPublish = "1mo";
  prePublish = "1mo";
  rollPeriod = "0";
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.zones.<name>.dnssecPolicy.ksk.keySize

Key size in bits

Type: signed integer

Declared by:

<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.zones.<name>.dnssecPolicy.ksk.postPublish
How long after deactivation to keep a key in the zone

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.zones.<name>.dnssecPolicy.ksk.prePublish
How long in advance to publish new keys

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.zones.<name>.dnssecPolicy.ksk.rollPeriod
How frequently to change keys

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.zones.<name>.dnssecPolicy.zsk
Key policy for zone signing keys

Type: submodule

Default:

```
{
  keySize = 2048;
  postPublish = "1w";
  prePublish = "1w";
  rollPeriod = "1mo";
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.zones.<name>.dnssecPolicy.zsk.keySize
Key size in bits

Type: signed integer

Declared by:
<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.zones.<name>.dnssecPolicy.zsk.postPublish
How long after deactivation to keep a key in the zone

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.zones.<name>.dnssecPolicy.zsk.prePublish
How long in advance to publish new keys

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.zones.<name>.dnssecPolicy.zsk.rollPeriod

How frequently to change keys

Type: string

Declared by:

<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.zones.<name>.maxRefreshSecs

Limit refresh time for secondary zones. This is the timer which checks to see if the zone has to be refetched when it expires. Normally the value from the SOA record is used, but this option restricts that value.

Type: null or signed integer

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.zones.<name>.maxRetrySecs

Limit retry time for secondary zones. This is the timeout after a failed fetch attempt for the zone. Normally the value from the SOA record is used, but this option restricts that value.

Type: null or signed integer

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.zones.<name>.minRefreshSecs

Limit refresh time for secondary zones.

Type: null or signed integer

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.zones.<name>.minRetrySecs

Limit retry time for secondary zones.

Type: null or signed integer

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.zones.<name>.multiMasterCheck

If enabled, checks all masters for the last zone version. It uses the higher version from all configured masters. Useful if you have multiple masters that have different version numbers served.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.zones.<name>.notify
This primary server will notify all given secondary servers about zone changes.

Format: '<ip> <key−name | NOKEY>'

'<ip>' a plain IPv4/IPv6 address with on optional port number (ip@port)

'<key−name | NOKEY>'

- '<key−name>' sign notifies with the specified key
- 'NOKEY' don't sign notifies

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "10.0.0.1@3721 my_key"
  "::5 NOKEY"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.zones.<name>.notifyRetry
Specifies the number of retries for failed notifies. Set this along with notify.

Type: signed integer

Default:

```
5
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.zones.<name>.outgoingInterface
This address will be used for zone−transfer requests if configured as a secondary server or notifications in case of a primary server. Supply either a plain IPv4 or IPv6 address with an optional port number (ip@port).

Type: null or string

Default:

```
null
```

Example:

```
"2000::1@1234"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.zones.<name>.provideXFR
Allow these IPs and TSIG to transfer zones, addr TSIG|NOKEY|BLOCKED address range 192.0.2.0/24, 1.2.3.4&255.255.0.0, 3.0.2.20−3.0.2.40

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "192.0.2.0/24 NOKEY"
  "192.0.2.0/24 my_tsig_key_name"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.zones.<name>.requestXFR
Format: '[AXFR|UDP] <ip−address> <key−name | NOKEY>'

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.zones.<name>.rrlWhitelist
Whitelists the given rrl−types.

Type: list of (one of "nxdomain", "error", "referral", "any", "rrsig", "wildcard", "nodata", "dnskey", "positive", "all")

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.nsd.zones.<name>.zoneStats
When set to something distinct to null NSD is able to collect statistics per zone. All statistics of this zone(s) will be added to the group specified by this given name. Use "%s" to use the zones name as the group. The groups are output from nsd−control stats and stats_noreset.

Type: null or string

Default:

```
null
```

Example:

```
"%s"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nsd.nix>

services.ntfy−sh.enable
Whether to enable **ntfy−sh**, a push notification service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ntfy-sh.nix>

services.ntfy-sh.package
The ntfy-sh package to use.

Type: package

Default:

```
pkgs.ntfy-sh
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ntfy-sh.nix>

services.ntfy-sh.environmentFile
Path to a file containing extra ntfy environment variables in the systemd 'EnvironmentFile' format. Refer to the **documentation** for config options.

This can be used to pass secrets such as creating declarative users or token without putting them in the Nix store.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/ntfy"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ntfy-sh.nix>

services.ntfy-sh.group
Primary group of ntfy-sh user.

Type: string

Default:

```
"ntfy-sh"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ntfy-sh.nix>

services.ntfy-sh.settings
Configuration for ntfy.sh, supported values are **here**.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Example:

```
{
  listen-http = ":8080";
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ntfy-sh.nix>

services.ntfy−sh.settings.base−url

Public facing base URL of the service

This setting is required for any of the following features:

- attachments (to return a download URL)
- e−mail sending (for the topic URL in the email footer)
- iOS push notifications for self−hosted servers (to calculate the Firebase poll_request topic)
- Matrix Push Gateway (to validate that the pushkey is correct)

Type: string

Example:

```
"https://ntfy.example"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/ntfy−sh.nix>

services.ntfy−sh.user

User the ntfy−sh server runs under.

Type: string

Default:

```
"ntfy−sh"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/ntfy−sh.nix>

services.ntopng.enable

Enable ntopng, a high−speed web−based traffic analysis and flow collection tool.

With the default configuration, ntopng monitors all network interfaces and displays its findings at http://localhost:${toString config.services.ntopng.http−port}. Default username and password is admin/admin.

See the **ntopng**(8) manual page and http://www.ntop.org/products/ntop/ for more info.

Note that enabling ntopng will also enable redis (key−value database server) for persistent data storage.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ntopng.nix>

services.ntopng.configText

Overridable configuration file contents to use for ntopng. By default, use the contents automatically generated by NixOS.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
−−interface=any
−−http−port=3000
−−disable−login
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ntopng.nix>

services.ntopng.extraConfig
Configuration lines that will be appended to the generated ntopng configuration file. Note that this mechanism does not work when the manual **configText** option is used.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ntopng.nix>

services.ntopng.httpPort
Sets the HTTP port of the embedded web server.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ntopng.nix>

services.ntopng.interfaces
List of interfaces to monitor. Use “any” to monitor all interfaces.

Type: list of string

Default:

```
[
  "any"
]
```

Example:

```
[
  "eth0"
  "wlan0"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ntopng.nix>

services.ntopng.redis.address
Redis address − may be a Unix socket or a network host and port.

Type: string

Example:

```
config.services.redis.ntopng.unixSocket
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ntopng.nix>

services.ntopng.redis.createInstance
Local Redis instance name. Set to ‘null’ to disable local Redis instance. Defaults to ‘""’ for ‘system.stateVersion’ older than 22.05.

Type: null or string

Default:

```
"ntopng"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ntopng.nix>

services.ntp.enable
Whether to synchronise your machine's time using ntpd, as a peer in the NTP network.

Disables 'systemd.timesyncd' if enabled.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ntp/ntpd.nix>

services.ntp.extraConfig
Additional text appended to *ntp.conf*.

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
fudge 127.127.1.0 stratum 10
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ntp/ntpd.nix>

services.ntp.extraFlags
Extra flags passed to the ntpd command.

Type: list of string

Default:

```
[ ]
```

Example:

```
[ "--interface=eth0" ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ntp/ntpd.nix>

services.ntp.restrictDefault
The restriction flags to be set by default.

The default flags prevent external hosts from using ntpd as a DDoS reflector, setting system time, and querying OS/ntpd version. As recommended in section 6.5.1.1.3, answer "No" of https://support.ntp.org/Support/AccessRestrictions

Type: list of string

Default:

```
[
  "limited"
  "kod"
  "nomodify"
  "notrap"
  "noquery"
  "nopeer"
```

```
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ntp/ntpd.nix>

services.ntp.restrictSource

The restriction flags to be set on source.

The default flags allow peers to be added by ntpd from configured pool(s), but not by other means.

Type: list of string

Default:

```
[
  "limited"
  "kod"
  "nomodify"
  "notrap"
  "noquery"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ntp/ntpd.nix>

services.ntp.servers

The set of NTP servers from which to synchronise.

Type: list of string

Default:

```
config.networking.timeServers
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ntp/ntpd.nix>

services.ntpd−rs.enable

Whether to enable Network Time Service (ntpd−rs).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ntp/ntpd−rs.nix>

services.ntpd−rs.package

The ntpd−rs package to use.

Type: package

Default:

```
pkgs.ntpd-rs
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ntp/ntpd−rs.nix>

services.ntpd−rs.metrics.enable

Whether to enable ntpd−rs Prometheus Metrics Exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ntp/ntpd−rs.nix>

services.ntpd−rs.settings

Settings to write to *ntp.toml*

See **https://docs.ntpd−rs.pendulum−project.org/man/ntp.toml.5** for more information about available options.

Type: open submodule of (TOML value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ntp/ntpd−rs.nix>

services.ntpd−rs.useNetworkingTimeServers

Use source time servers from *networking.timeServers* in config.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ntp/ntpd−rs.nix>

services.nullidentdmod.enable

Whether to enable the nullidentdmod identd daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nullidentdmod.nix>

services.nullidentdmod.userid

User ID to return. Set to null to return a random string each time.

Type: null or string

Default:

```
null
```

Example:

```
"alice"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nullidentdmod.nix>

services.nullmailer.enable
Whether to enable nullmailer daemon.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/mail/nullmailer.nix>

services.nullmailer.config.adminaddr
If set, all recipients to users at either “localhost” (the literal string) or the canonical host name (from the me control attribute) are remapped to this address. This is provided to allow local daemons to be able to send email to “somebody@localhost” and have it go somewhere sensible instead of being bounced by your relay host. To send to multiple addresses, put them all on one line separated by a comma.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/mail/nullmailer.nix>

services.nullmailer.config.allmailfrom
If set, content will override the envelope sender on all messages.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/mail/nullmailer.nix>

services.nullmailer.config.defaultdomain
The content of this attribute is appended to any host name that does not contain a period (except localhost), including defaulthost and idhost. Defaults to the value of the me attribute, if it exists, otherwise the literal name defauldomain.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/mail/nullmailer.nix>

services.nullmailer.config.defaulthost
The content of this attribute is appended to any address that is missing a host name. Defaults to the value of the me control attribute, if it exists, otherwise the literal name defaulthost.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/mail/nullmailer.nix>

services.nullmailer.config.doublebounceto
If the original sender was empty (the original message was a delivery status or disposition notification), the double bounce is sent to the address in this attribute.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/mail/nullmailer.nix>

services.nullmailer.config.helohost
Sets the environment variable $HELOHOST which is used by the SMTP protocol module to set the parameter given to the HELO command. Defaults to the value of the me configuration attribute.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/mail/nullmailer.nix>

services.nullmailer.config.idhost
The content of this attribute is used when building the message−id string for the message. Defaults to the canonicalized value of defaulthost.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/mail/nullmailer.nix>

services.nullmailer.config.maxpause
The maximum time to pause between successive queue runs, in seconds. Defaults to 24 hours (86400).

Type: null or string or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/mail/nullmailer.nix>

services.nullmailer.config.me
The fully−qualifiled host name of the computer running nullmailer. Defaults to the literal name me.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/mail/nullmailer.nix>

services.nullmailer.config.pausetime

The minimum time to pause between successive queue runs when there are messages in the queue, in seconds. Defaults to 1 minute (60). Each time this timeout is reached, the timeout is doubled to a maximum of maxpause. After new messages are injected, the timeout is reset. If this is set to 0, nullmailer−send will exit immediately after going through the queue once (one−shot mode).

Type: null or string or signed integer

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/mail/nullmailer.nix>

services.nullmailer.config.remotes

A list of remote servers to which to send each message. Each line contains a remote host name or address followed by an optional protocol string, separated by white space.

See ‘man 8 nullmailer−send’ for syntax and available options.

WARNING: This is stored world−readable in the nix store. If you need to specify any secret credentials here, consider using the ‘remotesFile’ option instead.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/mail/nullmailer.nix>

services.nullmailer.config.sendtimeout

The time to wait for a remote module listed above to complete sending a message before killing it and trying again, in seconds. Defaults to 1 hour (3600). If this is set to 0, nullmailer−send will wait forever for messages to complete sending.

Type: null or string or signed integer

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/mail/nullmailer.nix>

services.nullmailer.group

Group to use to run nullmailer−send.

Type: string

Default:

```
"nullmailer"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/nullmailer.nix>

services.nullmailer.remotesFile

Path to the ‘remotes’ control file. This file contains a list of remote servers to which to send each message.

See ‘man 8 nullmailer−send’ for syntax and available options.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/mail/nullmailer.nix>

services.nullmailer.setSendmail
Whether to set the system sendmail to nullmailer's.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/nullmailer.nix>

services.nullmailer.user
User to use to run nullmailer−send.

Type: string

Default:

```
"nullmailer"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/nullmailer.nix>

services.nvme−rs.enable
Whether to enable nvme−rs, a monitoring service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/system/nvme−rs.nix>

services.nvme−rs.package
The nvme−rs package to use.

Type: package

Default:

```
pkgs.nvme−rs
```

Declared by:
<nixpkgs/nixos/modules/services/system/nvme−rs.nix>

services.nvme−rs.settings
Configuration for nvme−rs in TOML format. See the config.toml example for all available options.

Type: open submodule of (TOML value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/system/nvme−rs.nix>

services.nvme−rs.settings.check_interval_secs
Check interval in seconds

Type: signed integer

Default:

```
3600
```

Example:

```
86400
```

Declared by:
<nixpkgs/nixos/modules/services/system/nvme−rs.nix>

services.nvme−rs.settings.email
Email notification configuration

Type: null or (open submodule of (TOML value))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/system/nvme−rs.nix>

services.nvme−rs.settings.email.from
Sender email address

Type: string

Example:

```
"nvme−monitor@example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/system/nvme−rs.nix>

services.nvme−rs.settings.email.smtp_password_file
File containing SMTP password

Type: absolute path

Example:

```
"/run/secrets/smtp−password"
```

Declared by:
<nixpkgs/nixos/modules/services/system/nvme−rs.nix>

services.nvme−rs.settings.email.smtp_port
SMTP server port

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
587
```

Declared by:
<nixpkgs/nixos/modules/services/system/nvme−rs.nix>

services.nvme-rs.settings.email.smtp_server
SMTP server address

Type: string

Default:

```
"smtp.gmail.com"
```

Example:

```
"mail.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/system/nvme-rs.nix>

services.nvme-rs.settings.email.smtp_username
SMTP username

Type: string

Example:

```
"your-email@gmail.com"
```

Declared by:
<nixpkgs/nixos/modules/services/system/nvme-rs.nix>

services.nvme-rs.settings.email.to
Recipient email address

Type: string

Example:

```
"admin@example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/system/nvme-rs.nix>

services.nvme-rs.settings.email.use_tls
Use TLS for SMTP connection

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/system/nvme-rs.nix>

services.nvme-rs.settings.thresholds
Threshold configuration for NVMe monitoring

Type: open submodule of (TOML value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/system/nvme-rs.nix>

services.nvme−rs.settings.thresholds.error_threshold
Error count warning threshold

Type: signed integer

Default:

```
100
```

Declared by:
<nixpkgs/nixos/modules/services/system/nvme−rs.nix>

services.nvme−rs.settings.thresholds.spare_warning
Available spare warning threshold (%)

Type: signed integer

Default:

```
50
```

Declared by:
<nixpkgs/nixos/modules/services/system/nvme−rs.nix>

services.nvme−rs.settings.thresholds.temp_critical
Temperature critical threshold (°C)

Type: signed integer

Default:

```
65
```

Declared by:
<nixpkgs/nixos/modules/services/system/nvme−rs.nix>

services.nvme−rs.settings.thresholds.temp_warning
Temperature warning threshold (°C)

Type: signed integer

Default:

```
55
```

Declared by:
<nixpkgs/nixos/modules/services/system/nvme−rs.nix>

services.nvme−rs.settings.thresholds.wear_critical
Wear critical threshold (%)

Type: signed integer

Default:

```
50
```

Declared by:
<nixpkgs/nixos/modules/services/system/nvme−rs.nix>

services.nvme−rs.settings.thresholds.wear_warning
Wear warning threshold (%)

Type: signed integer

Default:

```
20
```

Declared by:
<nixpkgs/nixos/modules/services/system/nvme−rs.nix>

services.nylon.<name>.enable
Enables nylon as a running service upon activation.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nylon.nix>

services.nylon.<name>.acceptInterface
Tell nylon which interface to listen for client requests on, default is “lo”.

Type: string

Default:

```
"lo"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nylon.nix>

services.nylon.<name>.allowedIPRanges
Allowed client IP ranges are evaluated first, defaults to ARIN IPv4 private ranges: [“192.168.0.0/16” “127.0.0.0/8” “172.16.0.0/12” “10.0.0.0/8”]

Type: list of string

Default:

```
[
  "192.168.0.0/16"
  "127.0.0.1/8"
  "172.16.0.1/12"
  "10.0.0.0/8"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nylon.nix>

services.nylon.<name>.bindInterface
Tell nylon which interface to use as an uplink, default is “enp3s0f0”.

Type: string

Default:

```
"enp3s0f0"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/nylon.nix>

services.nylon.<name>.deniedIPRanges
Denied client IP ranges, these gets evaluated after the allowed IP ranges, defaults to all IPv4 addresses: [“0.0.0.0/0”] To block all other access than the allowed.

Type: list of string

Default:

```
[
  "0.0.0.0/0"
```

```
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nylon.nix>

services.nylon.<name>.logging

Enable logging, default is no logging.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nylon.nix>

services.nylon.<name>.name

The name of this nylon instance.

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nylon.nix>

services.nylon.<name>.nrConnections

The number of allowed simultaneous connections to the daemon, default 10.

Type: signed integer

Default:

```
10
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nylon.nix>

services.nylon.<name>.port

What port to listen for client requests, default is 1080.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
1080
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nylon.nix>

services.nylon.<name>.verbosity

Enable verbose output, default is to not be verbose.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/nylon.nix>

services.nzbget.enable

Whether to enable NZBGet, for downloading files from news servers.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/nzbget.nix>

services.nzbget.package

The nzbget package to use.

Type: package

Default:

```
pkgs.nzbget
```

Declared by:

<nixpkgs/nixos/modules/services/misc/nzbget.nix>

services.nzbget.group

Group under which NZBGet runs

Type: string

Default:

```
"nzbget"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/nzbget.nix>

services.nzbget.settings

NZBGet configuration, passed via command line using switch −o. Refer to **https://github.com/nzbget-com/nzbget/blob/develop/nzbget.conf** for details on supported values.

Type: attribute set of (boolean or signed integer or string)

Default:

```
{ }
```

Example:

```
{
  MainDir = "/data";
}
```

Declared by:

<nixpkgs/nixos/modules/services/misc/nzbget.nix>

services.nzbget.user

User account under which NZBGet runs

Type: string

Default:

```
"nzbget"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nzbget.nix>

services.nzbhydra2.enable
Whether to enable NZBHydra2, Usenet meta search.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nzbhydra2.nix>

services.nzbhydra2.package
The nzbhydra2 package to use.

Type: package

Default:

```
pkgs.nzbhydra2
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nzbhydra2.nix>

services.nzbhydra2.dataDir
The directory where NZBHydra2 stores its data files.

Type: string

Default:

```
"/var/lib/nzbhydra2"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nzbhydra2.nix>

services.nzbhydra2.openFirewall
Open ports in the firewall for the NZBHydra2 web interface.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/nzbhydra2.nix>

services.oauth2−proxy.enable
Whether to enable oauth2−proxy.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.oauth2−proxy.package
The oauth2−proxy package to use.

Type: package

Default:

```
pkgs.oauth2−proxy
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.oauth2−proxy.approvalPrompt
OAuth approval_prompt.

Type: one of “force”, “auto”

Default:

```
"force"
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.oauth2−proxy.azure.resource
The resource that is protected.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.oauth2−proxy.azure.tenant
Go to a tenant−specific or common (tenant−independent) endpoint.

Type: string

Default:

```
"common"
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.oauth2−proxy.basicAuthPassword
The password to set when passing the HTTP Basic Auth header.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.oauth2−proxy.clientID
The OAuth Client ID.

Type: null or string

Default:

```
null
```

Example:

```
"123456.apps.googleusercontent.com"
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2-proxy.nix>

services.oauth2-proxy.clientSecretFile
The path to a file containing the OAuth Client Secret.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/oauth2-client-secret"
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2-proxy.nix>

services.oauth2-proxy.cookie.domain
Optional cookie domains to force cookies to (ie: '.yourcompany.com'). The longest domain matching the request's host will be used (or the shortest cookie domain if there is no match).

Type: null or string

Default:

```
null
```

Example:

```
".yourcompany.com"
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2-proxy.nix>

services.oauth2-proxy.cookie.expire
Expire timeframe for cookie.

Type: string

Default:

```
"168h0m0s"
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2-proxy.nix>

services.oauth2-proxy.cookie.httpOnly
Set HttpOnly cookie flag.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2-proxy.nix>

services.oauth2-proxy.cookie.name
The name of the cookie that the oauth_proxy creates.

Type: string

Default:

```
"_oauth2_proxy"
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.oauth2−proxy.cookie.refresh
Refresh the cookie after this duration; 0 to disable.

Type: null or string

Default:

```
null
```

Example:

```
"168h0m0s"
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.oauth2−proxy.cookie.secretFile
The path to a file containing the seed string for secure cookies.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/oauth2−cookie−secret"
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.oauth2−proxy.cookie.secure
Set secure (HTTPS) cookie flag.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.oauth2−proxy.customTemplatesDir
Path to custom HTML templates.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.oauth2−proxy.email.addresses
Line−separated email addresses that are allowed to authenticate.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.oauth2−proxy.email.domains
Authenticate emails with the specified domains. Use '*' to authenticate any email.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.oauth2−proxy.extraConfig
Extra config to pass to oauth2−proxy.

Type: attribute set of anything

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.oauth2−proxy.github.org
Restrict logins to members of this organisation.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.oauth2−proxy.github.team
Restrict logins to members of this team.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.oauth2−proxy.google.adminEmail
The Google Admin to impersonate for API calls.

Only users with access to the Admin APIs can access the Admin SDK Directory API, thus the service account needs to impersonate one of those users to access the Admin SDK Directory API.

See **https://developers.google.com/admin−sdk/directory/v1/guides/delegation#delegate_domain−wide_authority_to_your_service_account**.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.oauth2−proxy.google.groups
Restrict logins to members of these Google groups.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.oauth2−proxy.google.serviceAccountJSON
The path to the service account JSON credentials.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.oauth2−proxy.htpasswd.displayForm
Display username / password login form if an htpasswd file is provided.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.oauth2−proxy.htpasswd.file
Additionally authenticate against a htpasswd file. Entries must be created with ‘htpasswd −s’ for SHA encryption.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.oauth2−proxy.httpAddress
HTTPS listening address. This module does not expose the port by default. If you want this URL to be accessible to other machines, please add the port to ‘networking.firewall.allowedTCPPorts’.

Type: string

Default:

```
"http://127.0.0.1:4180"
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.oauth2−proxy.keyFile
oauth2−proxy allows passing sensitive configuration via environment variables. Make a file that contains lines like OAUTH2_PROXY_CLIENT_SECRET=asdfasdfasdf.apps.googleuserscontent.com and specify the path here.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/oauth2-proxy"
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2-proxy.nix>

services.oauth2-proxy.loginURL
Authentication endpoint.

You only need to set this if you are using a self-hosted provider (e.g. Github Enterprise). If you're using a publicly hosted provider (e.g github.com), then the default works.

Type: null or string

Default:

```
null
```

Example:

```
"https://provider.example.com/oauth/authorize"
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2-proxy.nix>

services.oauth2-proxy.nginx.domain
The domain under which the oauth2-proxy will be accesible and the path of cookies are set to. This setting must be set to ensure back-redirects are working properly if oauth2-proxy is configured with **services.oauth2-proxy.cookie.domain** or multiple **services.oauth2-proxy.nginx.virtualHosts** that are not on the same domain.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2-proxy-nginx.nix>

services.oauth2-proxy.nginx.proxy
The address of the reverse proxy endpoint for oauth2-proxy

Type: string

Default:

```
config.services.oauth2-proxy.httpAddress
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2-proxy-nginx.nix>

services.oauth2-proxy.nginx.virtualHosts
Nginx virtual hosts to put behind the oauth2 proxy. You can exclude specific locations by setting 'auth_request off;' in the locations extraConfig setting.

Type: (attribute set of (submodule)) or (list of string) convertible to it

Default:

```
{ }
```

Example:

```
{
  "protected.foo.com" = {
    allowed_emails = [
      "boss@foo.com"
    ];
    allowed_groups = [
```

```
        "admins"
      ];
    };
  }
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2-proxy-nginx.nix>

services.oauth2-proxy.nginx.virtualHosts.<name>.allowed_email_domains
List of email domains to allow access to this vhost, or null to allow all.

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2-proxy-nginx.nix>

services.oauth2-proxy.nginx.virtualHosts.<name>.allowed_emails
List of emails to allow access to this vhost, or null to allow all.

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2-proxy-nginx.nix>

services.oauth2-proxy.nginx.virtualHosts.<name>.allowed_groups
List of groups to allow access to this vhost, or null to allow all.

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2-proxy-nginx.nix>

services.oauth2-proxy.oidcIssuerUrl
The OAuth issuer URL.

Type: null or string

Default:

```
null
```

Example:

```
"https://login.microsoftonline.com/{TENANT_ID}/v2.0"
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2-proxy.nix>

services.oauth2-proxy.passAccessToken
Pass OAuth access_token to upstream via X-Forwarded-Access-Token header.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.oauth2−proxy.passBasicAuth
Pass HTTP Basic Auth, X−Forwarded−User and X−Forwarded−Email information to upstream.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.oauth2−proxy.passHostHeader
Pass the request Host Header to upstream.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.oauth2−proxy.profileURL
Profile access endpoint.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.oauth2−proxy.provider
OAuth provider.

Type: one of “adfs”, “azure”, “bitbucket”, “digitalocean”, “facebook”, “github”, “gitlab”, “google”, “keycloak”, “keycloak−oidc”, “linkedin”, “login.gov”, “nextcloud”, “oidc”

Default:

```
"google"
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.oauth2−proxy.proxyPrefix
The url root path that this proxy should be nested under.

Type: string

Default:

```
"/oauth2"
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.oauth2−proxy.redeemURL
Token redemption endpoint.

You only need to set this if you are using a self−hosted provider (e.g. Github Enterprise). If you're using a publicly hosted provider (e.g github.com), then the default works.

Type: null or string

Default:

```
null
```

Example:

```
"https://provider.example.com/oauth/token"
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.oauth2−proxy.redirectURL
The OAuth2 redirect URL.

Type: null or string

Default:

```
null
```

Example:

```
"https://internalapp.yourcompany.com/oauth2/callback"
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.oauth2−proxy.requestLogging
Log requests to stdout.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.oauth2−proxy.reverseProxy
In case when running behind a reverse proxy, controls whether headers like 'X−Real−Ip' are accepted. Usage behind a reverse proxy will require this flag to be set to avoid logging the reverse proxy IP address.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.oauth2−proxy.scope
OAuth scope specification.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.oauth2−proxy.setXauthrequest
Set X−Auth−Request−User and X−Auth−Request−Email response headers (useful in Nginx auth_request mode). Setting this to ‘null’ means using the upstream default (false).

Type: null or boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.oauth2−proxy.signatureKey
GAP−Signature request signature key.

Type: null or string

Default:

```
null
```

Example:

```
"sha1:secret0"
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.oauth2−proxy.skipAuthRegexes
Skip authentication for requests matching any of these regular expressions.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.oauth2−proxy.tls.enable
Whether to serve over TLS.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.oauth2−proxy.tls.certificate
Path to certificate file.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.oauth2−proxy.tls.httpsAddress
‘addr:port’ to listen on for HTTPS clients.

Remember to add ‘port’ to ‘allowedTCPPorts’ if you want other machines to be able to connect to it.

Type: string

Default:

```
":443"
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.oauth2−proxy.tls.key
Path to private key file.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.oauth2−proxy.upstream
The http url(s) of the upstream endpoint or ‘file://’ paths for static files. Routing is based on the path.

Type: (list of string) or string convertible to it

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.oauth2−proxy.validateURL
Access token validation endpoint.

You only need to set this if you are using a self−hosted provider (e.g. Github Enterprise). If you’re using a publicly hosted provider (e.g github.com), then the default works.

Type: null or string

Default:

```
null
```

Example:

```
"https://provider.example.com/user/emails"
```

Declared by:
<nixpkgs/nixos/modules/services/security/oauth2−proxy.nix>

services.ocis.enable
Whether to enable ownCloud Infinite Scale.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/ocis.nix>

services.ocis.package

Which package to use for the ownCloud Infinite Scale instance.

Type: package

Related packages:

- ‘pkgs.ocis_5−bin’

Declared by:

<nixpkgs/nixos/modules/services/web−apps/ocis.nix>

services.ocis.address

Web interface address.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/ocis.nix>

services.ocis.configDir

Path to directory containing oCIS config file.

Example config can be generated by ‘ocis init −−config−path fileName −−admin−password "adminPass"’. Add ‘−−insecure true’ if SSL certificates are generated and managed externally (e.g. using oCIS behind reverse proxy).

Note: This directory must contain at least a *ocis.yaml*. Ensure **user** has read/write access to it. In some circumstances you may need to add additional oCIS configuration files (e.g., *proxy.yaml*) to this directory.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/lib/ocis/config"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/ocis.nix>

services.ocis.environment

Extra config options.

See **the documentation** for available options. See **notes for environment variables** for more information.

Note that all the attributes here will be copied to /nix/store/ and will be world readable. Options like *_PASSWORD or *_SECRET should be part of **environmentFile** instead, and are only provided here for illustrative purpose.

Configuration here will override those from **environmentFile** and will have highest precedence, at the cost of security. Do NOT put security sensitive stuff here.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  CS3_ALLOW_INSECURE = "true";
  GATEWAY_STORAGE_USERS_MOUNT_ID = "123";
  GRAPH_APPLICATION_ID = "1234";
  IDM_IDPSVC_PASSWORD = "password";
  IDM_REVASVC_PASSWORD = "password";
  IDM_SVC_PASSWORD = "password";
  IDP_ISS = "https://localhost:9200";
  IDP_TLS = "false";
  OCIS_INSECURE = "false";
  OCIS_INSECURE_BACKENDS = "true";
  OCIS_JWT_SECRET = "super_secret";
  OCIS_LDAP_BIND_PASSWORD = "password";
  OCIS_LOG_LEVEL = "error";
  OCIS_MACHINE_AUTH_API_KEY = "foo";
  OCIS_MOUNT_ID = "123";
  OCIS_SERVICE_ACCOUNT_ID = "foo";
  OCIS_SERVICE_ACCOUNT_SECRET = "foo";
  OCIS_STORAGE_USERS_MOUNT_ID = "123";
  OCIS_SYSTEM_USER_API_KEY = "foo";
  OCIS_SYSTEM_USER_ID = "123";
  OCIS_TRANSFER_SECRET = "foo";
  STORAGE_USERS_MOUNT_ID = "123";
  TLS_INSECURE = "true";
  TLS_SKIP_VERIFY_CLIENT_CERT = "true";
  WEBDAV_ALLOW_INSECURE = "true";
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/ocis.nix>

services.ocis.environmentFile

An environment file as defined in **systemd.exec**(5).

Configuration provided in this file will override those from **configDir**/ ocis.yaml.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/ocis.env"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/ocis.nix>

services.ocis.group

The group to run oCIS under. By default, a group named ‘ocis’ will be created.

Type: string

Default:

```
"ocis"
```

Example:

```
"yourGroup"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/ocis.nix>

services.ocis.port
Web interface port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9200
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/ocis.nix>

services.ocis.stateDir
ownCloud data directory.

Type: string

Default:

```
"/var/lib/ocis"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/ocis.nix>

services.ocis.url
Web interface address.

Type: string

Default:

```
"https://localhost:9200"
```

Example:

```
"https://some−hostname−or−ip:9200"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/ocis.nix>

services.ocis.user
The user to run oCIS as. By default, a user named ‘ocis’ will be created whose home directory is **stateDir**.

Type: string

Default:

```
"ocis"
```

Example:

```
"yourUser"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/ocis.nix>

services.ocserv.enable
Whether to enable ocserv.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ocserv.nix>

services.ocserv.config

Configuration content to start an OCServ server.

For a full configuration reference,please refer to the online documentation (https://ocserv.gitlab.io/www/manual.html), the openconnect recipes (https://github.com/openconnect/recipes) or ‘man ocserv’.

Type: strings concatenated with “\n”

Example:

```
  # configuration examples from $out/doc without explanatory commen \
ts.
  # for a full reference please look at the installed man pages.
  auth = "plain[passwd=./sample.passwd]"
  tcp-port = 443
  udp-port = 443
  run-as-user = ocserv
  run-as-group = ocserv
  socket-file = /run/ocserv-socket
  server-cert = certs/server-cert.pem
  server-key = certs/server-key.pem
  keepalive = 32400
  dpd = 90
  mobile-dpd = 1800
  switch-to-tcp-timeout = 25
  try-mtu-discovery = false
  cert-user-oid = 0.9.2342.19200300.100.1.1
  tls-priorities = "NORMAL:%SERVER_PRECEDENCE:%COMPAT:-VERS-SSL3 \
.0"
  auth-timeout = 240
  min-reauth-time = 300
  max-ban-score = 80
  ban-reset-time = 1200
  cookie-timeout = 300
  deny-roaming = false
  rekey-time = 172800
  rekey-method = ssl
  use-occtl = true
  pid-file = /run/ocserv.pid
  device = vpns
  predictable-ips = true
  default-domain = example.com
  ipv4-network = 192.168.1.0
  ipv4-netmask = 255.255.255.0
  dns = 192.168.1.2
  ping-leases = false
  route = 10.10.10.0/255.255.255.0
  route = 192.168.0.0/255.255.0.0
  no-route = 192.168.5.0/255.255.255.0
  cisco-client-compat = true
  dtls-legacy = true
```

```
[vhost:www.example.com]
auth = "certificate"
ca-cert = certs/ca.pem
server-cert = certs/server-cert-secp521r1.pem
server-key = cersts/certs/server-key-secp521r1.pem
ipv4-network = 192.168.2.0
ipv4-netmask = 255.255.255.0
cert-user-oid = 0.9.2342.19200300.100.1.1
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ocserv.nix>

services.ocsinventory-agent.enable
Whether to enable OCS Inventory Agent.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/ocsinventory-agent.nix>

services.ocsinventory-agent.package
The ocsinventory-agent package to use.

Type: package

Default:

```
pkgs.ocsinventory-agent
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/ocsinventory-agent.nix>

services.ocsinventory-agent.interval
How often we run the ocsinventory-agent service. Runs by default every daily.

The format is described in **systemd.time**(7).

Type: string

Default:

```
"daily"
```

Example:

```
"06:00"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/ocsinventory-agent.nix>

services.ocsinventory-agent.settings
Configuration for /etc/ocsinventory-agent/ocsinventory-agent.cfg.

Refer to **ocsinventory-agent**(1) for available options.

Type: open submodule of (atom (null, bool, int, float or string))

Default:

```
{ }
```

Example:

```
{
  debug = true;
  server = "https://ocsinventory.localhost:8080/ocsinventory";
  tag = "01234567890123";
}
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/ocsinventory-agent.nix>

services.ocsinventory-agent.settings.ca
Path to CA certificates file in PEM format, for server SSL certificate validation.

Type: absolute path

Default:

```
config.security.pki.caBundle
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/ocsinventory-agent.nix>

services.ocsinventory-agent.settings.debug
Whether to enable debug mode.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/ocsinventory-agent.nix>

services.ocsinventory-agent.settings.local
If specified, the OCS Inventory Agent will run in offline mode and the resulting inventory file will be stored in the specified path.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/lib/ocsinventory-agent/reports"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/ocsinventory-agent.nix>

services.ocsinventory-agent.settings.server
The URI of the OCS Inventory server where to send the inventory file.

This option is ignored if **services.ocsinventory-agent.settings.local** is set.

Type: null or string

Default:

```
null
```

Example:

```
"https://ocsinventory.localhost:8080/ocsinventory"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/ocsinventory-agent.nix>

services.ocsinventory-agent.settings.tag
Tag for the generated inventory.

Type: null or string

Default:

```
null
```

Example:

```
"01234567890123"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/ocsinventory-agent.nix>

services.octoprint.enable
Whether to enable OctoPrint, web interface for 3D printers.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/octoprint.nix>

services.octoprint.package
The octoprint package to use.

Type: package

Default:

```
pkgs.octoprint
```

Declared by:
<nixpkgs/nixos/modules/services/misc/octoprint.nix>

services.octoprint.extraConfig
Extra options which are added to OctoPrint's YAML configuration file.

Type: attribute set

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/octoprint.nix>

services.octoprint.group
Group for the daemon.

Type: string

Default:

```
"octoprint"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/octoprint.nix>

services.octoprint.host
Host to bind OctoPrint to.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/octoprint.nix>

services.octoprint.openFirewall
Open ports in the firewall for OctoPrint.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/octoprint.nix>

services.octoprint.plugins
Additional plugins to be used. Available plugins are passed through the plugins input.

Type: function that evaluates to a(n) list of package

Default:

```
plugins: []
```

Example:

```
plugins: with plugins; [ themeify stlviewer ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/octoprint.nix>

services.octoprint.port
Port to bind OctoPrint to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5000
```

Declared by:
<nixpkgs/nixos/modules/services/misc/octoprint.nix>

services.octoprint.stateDir
State directory of the daemon.

Type: absolute path

Default:

```
"/var/lib/octoprint"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/octoprint.nix>

services.octoprint.user
User for the daemon.

Type: string

Default:

```
"octoprint"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/octoprint.nix>

services.odoo.enable
Whether to enable odoo, an open source ERP and CRM system.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/finance/odoo.nix>

services.odoo.package
Which package to use for the Odoo instance.

Type: package

Related packages:

- ‘pkgs.odoo17’
- ‘pkgs.odoo18’
- ‘pkgs.odoo19’

Declared by:
<nixpkgs/nixos/modules/services/finance/odoo.nix>

services.odoo.addons
Odoo addons.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.odoo_enterprise ]
```

Declared by:
<nixpkgs/nixos/modules/services/finance/odoo.nix>

services.odoo.autoInit
Whether to enable automatically initialize the DB.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/finance/odoo.nix>

services.odoo.autoInitExtraFlags
Extra flags passed to odoo when run for the first time by autoInit

Type: list of string

Default:

```
[ ]
```

Example:

```
[ "--without-demo=all" ]
```

Declared by:
<nixpkgs/nixos/modules/services/finance/odoo.nix>

services.odoo.domain
Domain to host Odoo with nginx

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/finance/odoo.nix>

services.odoo.settings
Odoo configuration settings. For more details see **https://www.odoo.com/documentation/15.0/administration/install/deploy.html**

Type: attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Example:

```
options = {
  db_user = "odoo";
  db_password="odoo";
};
```

Declared by:
<nixpkgs/nixos/modules/services/finance/odoo.nix>

services.offlineimap.enable
Whether to enable OfflineIMAP, a software to dispose your mailbox(es) as a local Maildir(s).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/offlineimap.nix>

services.offlineimap.package

The offlineimap package to use.

Type: package

Default:

```
pkgs.offlineimap
```

Declared by:

<nixpkgs/nixos/modules/services/mail/offlineimap.nix>

services.offlineimap.install

Whether to install a user service for Offlineimap. Once the service is started, emails will be fetched automatically.

The service must be manually started for each user with "systemctl −−user start offlineimap" or globally through *services.offlineimap.enable*.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/mail/offlineimap.nix>

services.offlineimap.onCalendar

How often is offlineimap started. Default is '*:0/3' meaning every 3 minutes. See **systemd.time**(7) for more information about the format.

Type: string

Default:

```
"*:0/3"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/offlineimap.nix>

services.offlineimap.path

List of derivations to put in Offlineimap's path.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[ pkgs.pass pkgs.bash pkgs.notmuch ]
```

Declared by:

<nixpkgs/nixos/modules/services/mail/offlineimap.nix>

services.offlineimap.timeoutStartSec

How long waiting for offlineimap before killing it. Default is '120sec' meaning every 2 minutes. See **systemd.time**(7) for more information about the format.

Type: string

Default:

```
"120sec"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/offlineimap.nix>

services.ofono.enable
Whether to enable Ofono.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ofono.nix>

services.ofono.plugins
The list of plugins to install.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.modem-manager-gui ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ofono.nix>

services.oidentd.enable
Whether to enable ‘oidentd’, an implementation of the Ident protocol (RFC 1413). It allows remote systems to identify the name of the user associated with a TCP connection.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/oidentd.nix>

services.oink.enable
Whether to enable Oink, a dynamic DNS client for Porkbun.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/oink.nix>

services.oink.package

The oink package to use.

Type: package

Default:

```
pkgs.oink
```

Declared by:

<nixpkgs/nixos/modules/services/networking/oink.nix>

services.oink.apiKeyFile

Path to a file containing the API key to use when modifying DNS records.

Type: absolute path

Example:

```
"/run/keys/oink-api-key"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/oink.nix>

services.oink.domains

List of attribute sets containing configuration for each domain.

Each attribute set must have two attributes, one named *domain* and another named *subdomain*. The domain attribute must specify the root domain that you want to configure, and the subdomain attribute must specify its subdomain if any. If you want to configure the root domain rather than a subdomain, leave the subdomain attribute as an empty string.

Additionally, you can use attributes from *services.oink.settings* to override settings per-domain.

Every domain listed here *must* have API access enabled in Porkbun's control panel.

Type: list of attribute set of anything

Default:

```
[ ]
```

Example:

```
[
  {
    domain = "nixos.org";
    subdomain = "";
    ttl = 1200;
  }
  {
    domain = "nixos.org";
    subdomain = "hydra";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/oink.nix>

services.oink.secretApiKeyFile

Path to a file containing the secret API key to use when modifying DNS records.

Type: absolute path

Example:

```
"/run/keys/oink-secret-api-key"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/oink.nix>

services.oink.settings.interval
Seconds to wait before sending another request.

Type: integer between 60 and 172800 (both inclusive)

Default:

```
900
```

Declared by:
<nixpkgs/nixos/modules/services/networking/oink.nix>

services.oink.settings.ttl
The TTL (“Time to Live”) value to set for your DNS records.

The TTL controls how long in seconds your records will be cached for. A smaller value will allow the record to update quicker.

Type: integer between 600 and 172800 (both inclusive)

Default:

```
600
```

Declared by:
<nixpkgs/nixos/modules/services/networking/oink.nix>

services.olivetin.enable
Whether to enable OliveTin.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/olivetin.nix>

services.olivetin.package
The olivetin package to use.

Type: package

Default:

```
if lib.versionAtLeast config.system.stateVersion "26.05"
then pkgs.olivetin-3k
else pkgs.olivetin
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/olivetin.nix>

services.olivetin.extraConfigFiles
Config files to merge into the settings defined in **services.olivetin.settings**. This is useful to avoid putting secrets into the nix store. See **https://docs.olivetin.app/config.html** for more information.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[
  "/run/secrets/olivetin.yaml"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/olivetin.nix>

services.olivetin.group
The group under which OliveTin runs.

Type: string

Default:

```
"olivetin"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/olivetin.nix>

services.olivetin.path
Packages added to the service's **PATH**.

Type: list of (package or string)

Default:

```
with pkgs; [ bash ]
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/olivetin.nix>

services.olivetin.settings
Configuration of OliveTin. See **https://docs.olivetin.app/config.html** for more information.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/olivetin.nix>

services.olivetin.settings.ListenAddressSingleHTTPFrontend
The address to listen on for the internal "microproxy" frontend.

Type: string

Default:

```
"127.0.0.1:8000"
```

Example:

```
"0.0.0.0:8000"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/olivetin.nix>

services.olivetin.user
The user account under which OliveTin runs.

Type: string

Default:

```
"olivetin"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/olivetin.nix>

services.ollama.enable
Whether to enable ollama server for local large language models.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ollama.nix>

services.ollama.package
The ollama package to use. Different packages use different hardware acceleration.

- ‘ollama’: default behavior; usually equivalent to ‘ollama−cpu’
  - if ‘nixpkgs.config.rocmSupport’ is enabled, is equivalent to ‘ollama−rocm’
  - if ‘nixpkgs.config.cudaSupport’ is enabled, is equivalent to ‘ollama−cuda’
  - otherwise defaults to ‘ollama−cpu’
- ‘ollama−cpu’: disable GPU; only use CPU
- ‘ollama−rocm’: supported by most modern AMD GPUs
  - may require overriding gpu type with ‘services.ollama.rocmOverrideGfx’ if rocm doesn’t detect your AMD gpu
- ‘ollama−cuda’: supported by most modern NVIDIA GPUs
- ‘ollama−vulkan’: supported by most GPUs

Type: package

Default:

```
pkgs.ollama
```

Example:

```
pkgs.ollama-rocm
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ollama.nix>

services.ollama.environmentVariables
Set arbitrary environment variables for the ollama service.

Be aware that these are only seen by the ollama server (systemd service), not normal invocations like ‘ollama run’. Since ‘ollama run’ is mostly a shell around the ollama server, this is usually sufficient.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  HIP_VISIBLE_DEVICES = "0,1";
  OLLAMA_LLM_LIBRARY = "cpu";
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ollama.nix>

services.ollama.group
Group under which to run ollama. Only used when ‘services.ollama.user’ is set.

The group will automatically be created, if this option is set to a non−null value.

Type: null or string

Default:

```
config.services.ollama.user
```

Example:

```
"ollama"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ollama.nix>

services.ollama.home
The home directory that the ollama service is started in.

Type: string

Default:

```
"/var/lib/ollama"
```

Example:

```
"/home/foo"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ollama.nix>

services.ollama.host
The host address which the ollama server HTTP interface listens to.

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"[::]"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ollama.nix>

services.ollama.loadModels
Download these models using ‘ollama pull’ as soon as ‘ollama.service’ has started.

This creates a systemd unit ‘ollama−model−loader.service’. Use ‘services.ollama.syncModels’ to automatically remove any models not currently declared here.

Search for models of your choice from: **https://ollama.com/library**

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "dolphin3"
```

```
  "gemma3"
  "gemma3:27b"
  "deepseek-r1:latest"
  "deepseek-r1:1.5b"
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ollama.nix>

services.ollama.models
The directory that the ollama service will read models from and download new models to.

Type: string

Default:

```
"\${config.services.ollama.home}/models"
```

Example:

```
"/path/to/ollama/models"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ollama.nix>

services.ollama.openFirewall
Whether to open the firewall for ollama.

This adds ‘services.ollama.port’ to ‘networking.firewall.allowedTCPPorts’.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ollama.nix>

services.ollama.port
Which port the ollama server listens to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
11434
```

Example:

```
11111
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ollama.nix>

services.ollama.rocmOverrideGfx
Override what rocm will detect your gpu model as. For example, if you have an RX 5700 XT, try setting this to ‘"10.1.0"’ (gfx 1010).

This sets the value of ‘HSA_OVERRIDE_GFX_VERSION’. See **ollama’s docs** for details.

Type: null or string

Default:

```
null
```

Example:

```
"10.3.0"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ollama.nix>

services.ollama.syncModels
Synchronize all currently installed models with those declared in ‘services.ollama.loadModels’, removing any models that are installed but not currently declared there.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ollama.nix>

services.ollama.user
User account under which to run ollama. Defaults to ‘DynamicUser’ when set to ‘null’.

The user will automatically be created, if this option is set to a non−null value.

Type: null or string

Default:

```
null
```

Example:

```
"ollama"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ollama.nix>

services.ombi.enable
Whether to enable Ombi, a web application that automatically gives your shared Plex or Emby users the ability to request content by themselves!

Optionally see **https://docs.ombi.app/info/reverse−proxy** on how to set up a reverse proxy .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ombi.nix>

services.ombi.package
The ombi package to use.

Type: package

Default:

```
pkgs.ombi
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ombi.nix>

services.ombi.dataDir

The directory where Ombi stores its data files.

Type: string

Default:

```
"/var/lib/ombi"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/ombi.nix>

services.ombi.group

Group under which Ombi runs.

Type: string

Default:

```
"ombi"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/ombi.nix>

services.ombi.openFirewall

Open ports in the firewall for the Ombi web interface.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/ombi.nix>

services.ombi.port

The port for the Ombi web interface.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5000
```

Declared by:

<nixpkgs/nixos/modules/services/misc/ombi.nix>

services.ombi.user

User account under which Ombi runs.

Type: string

Default:

```
"ombi"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/ombi.nix>

services.omnom.enable

Whether to enable Omnom, a webpage bookmarking and snapshotting service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/omnom.nix>

services.omnom.package
The omnom package to use.

Type: package

Default:

```
pkgs.omnom
```

Declared by:
<nixpkgs/nixos/modules/services/misc/omnom.nix>

services.omnom.dataDir
The directory where Omnom stores its data files.

Type: absolute path

Default:

```
"/var/lib/omnom"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/omnom.nix>

services.omnom.group
The Omnom service group.

Type: non−empty string

Default:

```
"omnom"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/omnom.nix>

services.omnom.openFirewall
Whether to open ports in the firewall.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/omnom.nix>

services.omnom.passwordFile
File containing the password for the SMTP user.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/omnom.nix>

services.omnom.port

The Omnom service port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
7331
```

Declared by:

<nixpkgs/nixos/modules/services/misc/omnom.nix>

services.omnom.settings

Configuration options for the /etc/omnom/config.yml file.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/misc/omnom.nix>

services.omnom.settings.activitypub.privkey

ActivityPub private key. Will be generated, by default.

Type: absolute path

Default:

```
"${config.services.omnom.dataDir}/private.pem"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/omnom.nix>

services.omnom.settings.activitypub.pubkey

ActivityPub public key. Will be generated, by default.

Type: absolute path

Default:

```
"${config.services.omnom.dataDir}/public.pem"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/omnom.nix>

services.omnom.settings.app.debug

Whether to enable debug mode.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/omnom.nix>

services.omnom.settings.app.disable_signup
Whether to enable restricting user creation.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/omnom.nix>

services.omnom.settings.app.results_per_page
Number of results per page.

Type: signed integer

Default:

```
20
```

Declared by:
<nixpkgs/nixos/modules/services/misc/omnom.nix>

services.omnom.settings.db.connection
Database connection URI.

Type: string

Default:

```
"${config.services.omnom.dataDir}/db.sqlite3"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/omnom.nix>

services.omnom.settings.db.type
Database type.

Type: value “sqlite” (singular enum)

Default:

```
"sqlite"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/omnom.nix>

services.omnom.settings.server.address
Server address.

Type: string

Default:

```
"127.0.0.1:${config.services.omnom.port}"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/omnom.nix>

services.omnom.settings.server.secure_cookie
Whether to limit cookies to a secure channel.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/omnom.nix>

services.omnom.settings.smtp.connection_timeout
Connection timeout duration in seconds.

Type: signed integer

Default:

```
5
```

Declared by:
<nixpkgs/nixos/modules/services/misc/omnom.nix>

services.omnom.settings.smtp.host
SMTP server hostname.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/misc/omnom.nix>

services.omnom.settings.smtp.port
SMTP server port address.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
25
```

Declared by:
<nixpkgs/nixos/modules/services/misc/omnom.nix>

services.omnom.settings.smtp.send_timeout
Send timeout duration in seconds.

Type: signed integer

Default:

```
10
```

Declared by:
<nixpkgs/nixos/modules/services/misc/omnom.nix>

services.omnom.settings.smtp.sender
Omnom sender e−mail.

Type: string

Default:

```
"Omnom <omnom@127.0.0.1>"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/omnom.nix>

services.omnom.settings.smtp.tls
Whether to enable Whether TLS encryption should be used…

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/omnom.nix>

services.omnom.settings.smtp.tls_allow_insecure
Whether to enable Whether to allow insecure TLS…

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/omnom.nix>

services.omnom.settings.storage.type
Storage type.

Type: string

Default:

```
"fs"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/omnom.nix>

services.omnom.user
The Omnom service user.

Type: non−empty string

Default:

```
"omnom"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/omnom.nix>

services.oncall.enable
Whether to enable Oncall web app.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/oncall.nix>

services.oncall.package
The oncall package to use.

Type: package

Default:

```
pkgs.oncall
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/oncall.nix>

services.oncall.database.createLocally
Whether to enable Create the database and database user locally…

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/oncall.nix>

services.oncall.secretFile
A YAML file containing secrets such as database or user passwords. Some variables that can be considered secrets are:

- db.conn.kwargs.password: Password used to authenticate to the database.
- session.encrypt_key: Key for encrypting/signing session cookies. Change to random long values in production.
- session.sign_key: Key for encrypting/signing session cookies. Change to random long values in production.

Type: absolute path not in the Nix store

Example:

```
"/run/keys/oncall−dbpassword"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/oncall.nix>

services.oncall.settings
Extra configuration options to append or override. For available and default option values see **upstream configuration file** and the administration part in the **offical documentation**.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/oncall.nix>

services.oncall.settings.db.conn.kwargs.database
Database name.

Type: string

Default:

```
"oncall"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/oncall.nix>

services.oncall.settings.db.conn.kwargs.host
Database host.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/oncall.nix>

services.oncall.settings.db.conn.kwargs.user
Database user.

Type: string

Default:

```
"oncall"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/oncall.nix>

services.oncall.settings.db.conn.require_auth
Whether authentication is required to access the web app.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/oncall.nix>

services.oncall.settings.db.conn.str
Database connection scheme. The default specifies the connection through a local socket.

Type: string

Default:

```
"%(scheme)s://%(user)s@%(host)s:%(port)s/%(database)s?charset=%(cha \
rset)s&unix_socket=/run/mysqld/mysqld.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/oncall.nix>

services.oncall.settings.oncall_host
FQDN for the Oncall instance.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/oncall.nix>

services.onedrive.enable
Whether to enable OneDrive service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/onedrive.nix>

services.onedrive.package
The onedrive package to use.

Type: package

Default:

```
pkgs.onedrive
```

Declared by:
<nixpkgs/nixos/modules/services/networking/onedrive.nix>

services.onlyoffice.enable
Whether to enable OnlyOffice DocumentServer.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/onlyoffice.nix>

services.onlyoffice.enableExampleServer
Whether to enable OnlyOffice example server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/onlyoffice.nix>

services.onlyoffice.package
The onlyoffice−documentserver package to use.

Type: package

Default:

```
pkgs.onlyoffice−documentserver
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/onlyoffice.nix>

services.onlyoffice.allowLocalConnections
Whether to allow the document server to download files from private IP addresses.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/onlyoffice.nix>

services.onlyoffice.examplePort
Port the OnlyOffice example server should listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/onlyoffice.nix>

services.onlyoffice.hostname
FQDN for the OnlyOffice instance.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/onlyoffice.nix>

services.onlyoffice.jwtSecretFile
Path to a file that contains the secret to sign web requests using JSON Web Tokens. If left at the default value null signing is disabled.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/onlyoffice.nix>

services.onlyoffice.loglevel
Default loglevel to use for documentserver and converter

Type: string

Default:

```
"WARN"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/onlyoffice.nix>

services.onlyoffice.port

Port the OnlyOffice document server should listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8000
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/onlyoffice.nix>

services.onlyoffice.postgresHost

The Postgresql hostname or socket path OnlyOffice should connect to.

Type: string

Default:

```
"/run/postgresql"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/onlyoffice.nix>

services.onlyoffice.postgresName

The name of database OnlyOffice should use.

Type: string

Default:

```
"onlyoffice"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/onlyoffice.nix>

services.onlyoffice.postgresPasswordFile

Path to a file that contains the password OnlyOffice should use to connect to Postgresql. Unused when using socket authentication.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/onlyoffice.nix>

services.onlyoffice.postgresUser

The username OnlyOffice should use to connect to Postgresql. Unused when using socket authentication.

Type: string

Default:

```
"onlyoffice"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/onlyoffice.nix>

services.onlyoffice.rabbitmqUrl

The Rabbitmq in amqp URI style OnlyOffice should connect to.

Type: string

Default:

```
"amqp://guest:guest@localhost:5672"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/onlyoffice.nix>

services.onlyoffice.securityNonceFile
File holding nginx configuration that sets the nonce used to create secret links.

Example:

```
set $secure_link_secret "changeme";
```

This file must be readable both by nginx and by the onlyoffice documentserver. Since nginx is added to the onlyoffice group, you may want to make the file readable to the onlyoffice group.

NOTE: The file must be a valid nginx configuration file. The secret must not contain '$' characters, as they will be interpreted as variables by nginx.

Type: string

Example:

```
"/run/keys/onlyoffice−nginx−nonce.conf"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/onlyoffice.nix>

services.onlyoffice.wopi
Whether to enable Enable WOPI support.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/onlyoffice.nix>

services.onlyoffice.x2t
The onlyoffice−documentserver.passthru.x2t package to use.

Type: package

Default:

```
pkgs."onlyoffice−documentserver.passthru.x2t"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/onlyoffice.nix>

services.open−web−calendar.enable
Whether to enable OpenWebCalendar service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/open−web−calendar.nix>

services.open−web−calendar.package
The open−web−calendar package to use.

Type: package

Default:

```
pkgs.open−web−calendar
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/open−web−calendar.nix>

services.open−web−calendar.calendarSettings
Configure the default calendar.

See the documentation options in **https://open−web−calendar.quelltext.eu/host/configure/#configuring−the−default−calendar** and **https://github.com/niccokunzmann/open−web−calendar/blob/master/open_web_calendar/default_specification.yml**.

Individual calendar instances can be further configured outside this module, by specifying the 'specification_url' parameter.

Type: open submodule of (JSON value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/open−web−calendar.nix>

services.open−web−calendar.domain
The domain under which open−web−calendar is made available

Type: string

Example:

```
"open−web−calendar.example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/open−web−calendar.nix>

services.open−web−calendar.settings
Configuration for the server. These are set as environment variables to the gunicorn/flask service.

See the documentation options in **https://open−web−calendar.quelltext.eu/host/configure/#configuring−the−server**.

Type: open submodule of attribute set of (atom (null, bool, int, float or string))

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/open−web−calendar.nix>

services.open−web−calendar.settings.ALLOWED_HOSTS
The hosts that the Open Web Calendar permits. This is required to mitigate the Host Header Injection vulnerability.

We always set this to the empty list, as Nginx already checks the Host header.

Type: string *(read only)*

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/open−web−calendar.nix>

services.open−webui.enable
Whether to enable Open−WebUI server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/open−webui.nix>

services.open−webui.package
The open−webui package to use.

Type: package

Default:

```
pkgs.open-webui
```

Declared by:
<nixpkgs/nixos/modules/services/misc/open−webui.nix>

services.open−webui.environment
Extra environment variables for Open−WebUI. For more details see **https://docs.openwebui.com/reference/env−configuration**

Type: attribute set of string

Default:

```
{
  ANONYMIZED_TELEMETRY = "False";
  DO_NOT_TRACK = "True";
  SCARF_NO_ANALYTICS = "True";
}
```

Example:

```
{
  OLLAMA_API_BASE_URL = "http://127.0.0.1:11434";
  # Disable authentication
  WEBUI_AUTH = "False";
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/open−webui.nix>

services.open−webui.environmentFile
Environment file to be passed to the systemd service. Useful for passing secrets to the service to prevent them from being world−readable in the Nix store.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/lib/secrets/openWebuiSecrets"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/open-webui.nix>

services.open-webui.host
The host address which the Open-WebUI server HTTP interface listens to.

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/open-webui.nix>

services.open-webui.openFirewall
Whether to open the firewall for Open-WebUI. This adds ‘services.open-webui.port’ to ‘networking.firewall.allowedTCPPorts’.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/open-webui.nix>

services.open-webui.port
Which port the Open-WebUI server listens to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Example:

```
11111
```

Declared by:
<nixpkgs/nixos/modules/services/misc/open-webui.nix>

services.open-webui.stateDir
State directory of Open-WebUI.

Type: absolute path

Default:

```
"/var/lib/open-webui"
```

Example:

```
"/home/foo"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/open-webui.nix>

services.openafsClient.enable
Whether to enable the OpenAFS client.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/openafs/client.nix>

services.openafsClient.packages.module
OpenAFS kernel module package. MUST match the userland package!

Type: package

Default:

```
config.boot.kernelPackages.openafs
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/openafs/client.nix>

services.openafsClient.packages.programs
OpenAFS programs package. MUST match the kernel module package!

Type: package

Default:

```
getBin pkgs.openafs
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/openafs/client.nix>

services.openafsClient.afsdb
Resolve cells via AFSDB DNS records.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/openafs/client.nix>

services.openafsClient.cache.blocks
Cache size in 1KB blocks.

Type: signed integer

Default:

```
100000
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/openafs/client.nix>

services.openafsClient.cache.chunksize
Size of each cache chunk given in powers of 2. ‘0’ resets the chunk size to its default values (13 (8 KB) for memcache, 18−20 (256 KB to 1 MB) for diskcache). Maximum value is 30. Important performance parameter. Set to higher values when dealing with large files.

Type: integer between 0 and 30 (both inclusive)

Default:

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/openafs/client.nix>

services.openafsClient.cache.directory
Cache directory.

Type: string

Default:

```
"/var/cache/openafs"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/openafs/client.nix>

services.openafsClient.cache.diskless
Use in−memory cache for diskless machines. Has no real performance benefit anymore.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/openafs/client.nix>

services.openafsClient.cellName
Cell name.

Type: string

Default:

```
""
```

Example:

```
"grand.central.org"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/openafs/client.nix>

services.openafsClient.cellServDB
This cell’s database server records, added to the global CellServDB. See **CellServDB**(5) man page for syntax. Ignored when ‘afsdb’ is set to ‘true’.

Type: (attribute set of list of (submodule)) or (list of anything) convertible to it

Default:

```
{ }
```

Example:

```
{
  "dns.fqdn.org" = [
    {
      dnsname = "first.afsdb.server.dns.fqdn.org";
      ip = "1.2.3.4";
    }
    {
      dnsname = "second.afsdb.server.dns.fqdn.org";
      ip = "2.3.4.5";
    }
  ];
}
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/openafs/client.nix>

services.openafsClient.cellServDB.<name>.*.dnsname
DNS full−qualified domain name of a database server

Type: string

Default:
```
""
```

Example:
```
"afs.example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/openafs/client.nix>

services.openafsClient.cellServDB.<name>.*.ip
IP Address of a database server

Type: string

Default:
```
""
```

Example:
```
"1.2.3.4"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/openafs/client.nix>

services.openafsClient.crypt
Whether to enable (weak) protocol encryption.

Type: boolean

Default:
```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/openafs/client.nix>

services.openafsClient.daemons
Number of daemons to serve user requests. Numbers higher than 6 usually do no increase performance. Default is sufficient for up to five concurrent users.

Type: signed integer

Default:
```
2
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/openafs/client.nix>

services.openafsClient.fakestat
Return fake data on stat() calls. If ‘true’, always do so. If ‘false’, only do so for cross−cell mounts (as these are potentially expensive).

Type: boolean

Default:
```
false
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/openafs/client.nix>

services.openafsClient.globalCellServDBFile
Global CellServDB file to be deployed. Set to ‘null’ to only deploy the cells in ‘cellServDB’. Any cells defined in ‘cellServDB’ will override cells in the global file.

Type: null or path in the Nix store

Default:

```
pkgs.openafs.cellservdb
```

Example:

```
./CellServDB
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/openafs/client.nix>

services.openafsClient.inumcalc
Inode calculation method. ‘compat’ is computationally less expensive, but ‘md5’ greatly reduces the likelihood of inode collisions in larger scenarios involving multiple cells mounted into one AFS space.

Type: string matching the pattern compat|md5

Default:

```
"compat"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/openafs/client.nix>

services.openafsClient.mountPoint
Mountpoint of the AFS file tree, conventionally ‘/afs’. When set to a different value, only cross−cells that use the same value can be accessed.

Type: string

Default:

```
"/afs"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/openafs/client.nix>

services.openafsClient.sparse
Minimal cell list in /afs.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/openafs/client.nix>

services.openafsClient.startDisconnected
Start up in disconnected mode. You need to execute ‘fs disco online’ (as root) to switch to connected mode. Useful for roaming devices.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/openafs/client.nix>

services.openafsServer.enable
Whether to enable the OpenAFS server. An OpenAFS server needs a complex setup. So, be aware that enabling this service and setting some options does not give you a turn−key−ready solution. You need at least a running Kerberos 5 setup, as OpenAFS relies on it for authentication. See the Guide "QuickStartUnix" coming with 'pkgs.openafs.doc' for complete setup instructions.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/openafs/server.nix>

services.openafsServer.package
The openafs package to use.

Type: package

Default:

```
pkgs.openafs
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/openafs/server.nix>

services.openafsServer.advertisedAddresses
List of IP addresses this server is advertised under. See **NetInfo**(5)

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/openafs/server.nix>

services.openafsServer.cellName
Cell name, this server will serve.

Type: string

Default:

```
""
```

Example:

```
"grand.central.org"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/openafs/server.nix>

services.openafsServer.cellServDB
Definition of all cell−local database server machines. If a single list is provided, it will be used as the servers for 'cellName'.

Type: (attribute set of list of (submodule)) or (list of anything) convertible to it

Default:

```
{ }
```

Example:

```
[
  {
    dnsname = "first.afsdb.server.dns.fqdn.org";
    ip = "1.2.3.4";
  }
  {
    dnsname = "second.afsdb.server.dns.fqdn.org";
    ip = "2.3.4.5";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/openafs/server.nix>

services.openafsServer.cellServDB.<name>.*.dnsname
DNS full−qualified domain name of a database server

Type: string

Default:

```
""
```

Example:

```
"afs.example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/openafs/server.nix>

services.openafsServer.cellServDB.<name>.*.ip
IP Address of a database server

Type: string

Default:

```
""
```

Example:

```
"1.2.3.4"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/openafs/server.nix>

services.openafsServer.dottedPrincipals
If enabled, allow principal names containing (.) dots. Enabling this has security implications!

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/openafs/server.nix>

services.openafsServer.roles.backup.enable
Whether to enable the backup server role. When using OpenAFS built−in buserver, use in conjunction with the ‘database’ role to maintain the Backup Database. Normally only used in conjunction with tape storage or IBM’s Tivoli Storage Manager.

For a modern backup server, enable this role and see **enableFabs** .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/openafs/server.nix>

services.openafsServer.roles.backup.enableFabs

Whether to enable FABS, the flexible AFS backup system. It stores volumes as dump files, relying on other pre−existing backup solutions for handling them .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/openafs/server.nix>

services.openafsServer.roles.backup.buserverArgs

Arguments to the buserver process. See its man page.

Type: string

Default:

```
""
```

Example:

```
"−p 8"
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/openafs/server.nix>

services.openafsServer.roles.backup.cellServDB

Definition of all cell−local backup database server machines. Use this when your cell uses less backup database servers than other database server machines.

Type: (attribute set of list of (submodule)) or (list of anything) convertible to it

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/openafs/server.nix>

services.openafsServer.roles.backup.cellServDB.<name>.*.dnsname

DNS full−qualified domain name of a database server

Type: string

Default:

```
""
```

Example:

```
"afs.example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/openafs/server.nix>

services.openafsServer.roles.backup.cellServDB.<name>.*.ip
IP Address of a database server

Type: string

Default:

```
""
```

Example:

```
"1.2.3.4"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/openafs/server.nix>

services.openafsServer.roles.backup.fabsArgs
Arguments to the fabsys process. See **fabsys_server**(1) and **fabsys_config**(1).

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/openafs/server.nix>

services.openafsServer.roles.backup.fabsExtraConfig
Additional configuration parameters for the FABS backup server.

Type: attribute set

Default:

```
{ }
```

Example:

```
{
  afs.localauth = true;
  afs.keytab = config.sops.secrets.fabsKeytab.path;
}
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/openafs/server.nix>

services.openafsServer.roles.database.enable
Database server role, maintains the Volume Location Database, Protection Database (and Backup Database, see ‘backup’ role). There can be multiple servers in the database role for replication, which then need reliable network connection to each other.

Servers in this role appear in AFSDB DNS records or the CellServDB.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/openafs/server.nix>

services.openafsServer.roles.database.ptserverArgs
Arguments to the ptserver process. See its man page.

Type: string

Default:

```
""
```

Example:

```
"-restricted -default_access S---- S-M---"
```

Declared by:
<nixpkgs/nixos/modules/services/network-filesystems/openafs/server.nix>

services.openafsServer.roles.database.vlserverArgs
Arguments to the vlserver process. See its man page.

Type: string

Default:

```
""
```

Example:

```
"-rxbind"
```

Declared by:
<nixpkgs/nixos/modules/services/network-filesystems/openafs/server.nix>

services.openafsServer.roles.fileserver.enable
Fileserver role, serves files and volumes from its local storage.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network-filesystems/openafs/server.nix>

services.openafsServer.roles.fileserver.fileserverArgs
Arguments to the dafileserver process. See its man page.

Type: string

Default:

```
"-vattachpar 128 -vhashsize 11 -L -rxpck 400 -cb 1000000"
```

Declared by:
<nixpkgs/nixos/modules/services/network-filesystems/openafs/server.nix>

services.openafsServer.roles.fileserver.salvagerArgs
Arguments to the dasalvager process. See its man page.

Type: string

Default:

```
""
```

Example:

```
"-showlog -showmounts"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/openafs/server.nix>

services.openafsServer.roles.fileserver.salvageserverArgs
Arguments to the salvageserver process. See its man page.

Type: string

Default:
```
""
```

Example:
```
"−showlog"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/openafs/server.nix>

services.openafsServer.roles.fileserver.volserverArgs
Arguments to the davolserver process. See its man page.

Type: string

Default:
```
""
```

Example:
```
"−sync never"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/openafs/server.nix>

services.openafsServer.udpPacketSize
UDP packet size to use in Bytes. Higher values can speed up communications. The default of 1 MB is a sufficient in most cases. Make sure to increase the kernel's UDP buffer size accordingly via 'net.core(w|r|opt)mem_max' sysctl.

Type: signed integer

Default:
```
1310720
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/openafs/server.nix>

services.openarena.enable
Whether to enable OpenArena game server.

Type: boolean

Default:
```
false
```

Example:
```
true
```

Declared by:
<nixpkgs/nixos/modules/services/games/openarena.nix>

services.openarena.package

The openarena package to use.

Type: package

Default:

```
pkgs.openarena
```

Declared by:

<nixpkgs/nixos/modules/services/games/openarena.nix>

services.openarena.extraFlags

Extra flags to pass to **oa_ded**

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "+set dedicated 2"
  "+set sv_hostname 'My NixOS OpenArena Server'"
  "+map oa_dm1"
]
```

Declared by:

<nixpkgs/nixos/modules/services/games/openarena.nix>

services.openarena.openPorts

Whether to open firewall ports for OpenArena

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/games/openarena.nix>

services.openbao.enable

Whether to enable OpenBao daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/security/openbao.nix>

services.openbao.package

The openbao package to use.

Type: package

Default:

```
pkgs.openbao
```

Example:

```
pkgs.openbao.override { withHsm = false; withUi = false; }
```

Declared by:
<nixpkgs/nixos/modules/services/security/openbao.nix>

services.openbao.extraArgs
Additional arguments given to OpenBao.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/security/openbao.nix>

services.openbao.settings
Settings of OpenBao.

See **documentation** for more details.

Type: open submodule of (JSON value)

Example:

```
{
  ui = true;
  listener.default = {
    type = "tcp";
    tls_acme_email = config.security.acme.defaults.email;
    tls_acme_domains = [ "example.com" ];
    tls_acme_disable_http_challenge = true;
  };
  cluster_addr = "http://127.0.0.1:8201";
  api_addr = "https://example.com";
  storage.raft.path = "/var/lib/openbao";
}
```

Declared by:
<nixpkgs/nixos/modules/services/security/openbao.nix>

services.openbao.settings.listener
Configure a listener for responding to requests.

Type: attribute set of (open submodule of (JSON value))

Declared by:
<nixpkgs/nixos/modules/services/security/openbao.nix>

services.openbao.settings.listener.<name>.address
The TCP address or UNIX socket path to listen on.

Type: string

Default:

```
if config.services.openbao.settings.listener.<name>.type == "unix"  \
then "/run/openbao/openbao.sock" else "127.0.0.1:8200"
```

Declared by:
<nixpkgs/nixos/modules/services/security/openbao.nix>

services.openbao.settings.listener.<name>.type
The listener type to enable.

Type: one of “tcp”, “unix”

Declared by:
<nixpkgs/nixos/modules/services/security/openbao.nix>

services.openbao.settings.ui
Whether to enable the OpenBao web UI.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/openbao.nix>

services.opencloud.enable
Whether to enable OpenCloud.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/opencloud.nix>

services.opencloud.package
The opencloud package to use.

Type: package

Default:

```
pkgs.opencloud
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/opencloud.nix>

services.opencloud.address
Web server bind address.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/opencloud.nix>

services.opencloud.environment

Extra environment variables to set for the service.

Use this to set configuration that may affect multiple microservices.

Set ‘OC_INSECURE = "false"’ if you want OpenCloud to terminate TLS.

Configuration provided here will override ‘settings’.

Type: attribute set of string

Default:

```
{
  OC_INSECURE = "true";
}
```

Example:

```
{
  OC_INSECURE = "false";
  OC_LOG_LEVEL = "error";
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/opencloud.nix>

services.opencloud.environmentFile

An environment file as defined in **systemd.exec**(5).

Use this to inject secrets, e.g. database or auth credentials out of band.

Configuration provided here will override ‘settings’ and ‘environment’.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/opencloud.env"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/opencloud.nix>

services.opencloud.group

The group to run OpenCloud under. By default, a group named ‘opencloud’ will be created.

Type: string

Default:

```
"opencloud"
```

Example:

```
"mycloud"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/opencloud.nix>

services.opencloud.idpWebPackage

The idp−web package to use.

Type: package

Default:

```
pkgs.opencloud.idp-web
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/opencloud.nix>

services.opencloud.port
Web server port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9200
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/opencloud.nix>

services.opencloud.settings
Additional YAML configuration for OpenCloud services.

Every item in this attrset will be mapped to a .yaml file in /etc/opencloud.

The possible config options are currently not well documented, see source code: https://github.com/opencloud-eu/opencloud/blob/main/pkg/config/config.go

Type: attribute set of (YAML 1.1 value)

Default:

```
{ }
```

Example:

```
{
  proxy = {
    auto_provision_accounts = true;
    oidc = {
      rewrite_well_known = true;
    };
    role_assignment = {
      driver = "oidc";
      oidc_role_mapper = {
        role_claim = "opencloud_roles";
      };
    };
  };
  web = {
    web = {
      config = {
        oidc = {
          scope = "openid profile email opencloud_roles";
        };
      };
    };
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/opencloud.nix>

services.opencloud.stateDir
OpenCloud data directory.

Type: string

Default:

```
"/var/lib/opencloud"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/opencloud.nix>

services.opencloud.url
Web interface root public URL, including scheme and port (if non−default).

Type: string

Default:

```
"https://localhost:9200"
```

Example:

```
"https://cloud.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/opencloud.nix>

services.opencloud.user
The user to run OpenCloud as. By default, a user named ‘opencloud’ will be created whose home directory is **services.opencloud.stateDir**.

Type: string

Default:

```
"opencloud"
```

Example:

```
"mycloud"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/opencloud.nix>

services.opencloud.webPackage
The web package to use.

Type: package

Default:

```
pkgs.opencloud.web
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/opencloud.nix>

services.opendkim.enable
Whether to enable OpenDKIM sender authentication system.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/opendkim.nix>

services.opendkim.configFile
Additional opendkim configuration as a file.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/mail/opendkim.nix>

services.opendkim.domains
Local domains set (see **opendkim**(8) for more information on datasets). Messages from them are signed, not verified.

Type: string

Default:

```
"csl:${config.networking.hostName}"
```

Example:

```
"csl:example.com,mydomain.net"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/opendkim.nix>

services.opendkim.group
Group for the daemon.

Type: string

Default:

```
"opendkim"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/opendkim.nix>

services.opendkim.keyPath
The path that opendkim should put its generated private keys into. The DNS settings will be found in this directory with the name selector.txt.

Type: absolute path

Default:

```
"/var/lib/opendkim/keys"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/opendkim.nix>

services.opendkim.selector
Selector to use when signing.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/mail/opendkim.nix>

services.opendkim.settings

Additional opendkim configuration

Type: open submodule of attribute set of string

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/mail/opendkim.nix>

services.opendkim.socket

Socket which is used for communication with OpenDKIM.

Type: string

Default:

```
"local:/run/opendkim/opendkim.sock"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/opendkim.nix>

services.opendkim.user

User for the daemon.

Type: string

Default:

```
"opendkim"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/opendkim.nix>

services.openiscsi.enable

Whether to enable the openiscsi iscsi daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/iscsi/initiator.nix>

services.openiscsi.enableAutoLoginOut

Whether to enable automatic login and logout of all automatic targets. You probably do not want this .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/iscsi/initiator.nix>

services.openiscsi.package
The openiscsi package to use.

Type: package

Default:

```
pkgs.openiscsi
```

Declared by:
<nixpkgs/nixos/modules/services/networking/iscsi/initiator.nix>

services.openiscsi.discoverPortal
Portal to discover targets on

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/iscsi/initiator.nix>

services.openiscsi.extraConfig
Lines to append to default iscsid.conf

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/iscsi/initiator.nix>

services.openiscsi.extraConfigFile
Append an additional file's contents to /etc/iscsid.conf. Use a non−store path and store passwords in this file.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/iscsi/initiator.nix>

services.openiscsi.name
Name of this iscsi initiator

Type: string

Example:

```
"iqn.2020−08.org.linux−iscsi.initiatorhost:example"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/iscsi/initiator.nix>

services.openldap.enable
Whether to enable the ldap server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/databases/openldap.nix>

services.openldap.package
The openldap package to use. This can be used to, for example, set an OpenLDAP package with custom overrides to enable modules or other functionality.

Type: package

Default:

```
pkgs.openldap
```

Declared by:
<nixpkgs/nixos/modules/services/databases/openldap.nix>

services.openldap.configDir
Use this config directory instead of generating one from the ‘settings’ option. Overrides all NixOS settings.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/lib/openldap/slapd.d"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/openldap.nix>

services.openldap.declarativeContents
Declarative contents for the LDAP database, in LDIF format by suffix.

All data will be erased when starting the LDAP server. Modifications to the database are not prevented, they are just dropped on the next reboot of the server. Performance−wise the database and indexes are rebuilt on each server startup, so this will slow down server startup, especially with large databases.

Note that the root of the DB must be defined in ‘services.openldap.settings’ and the ‘olcDbDirectory’ must begin with ‘"/var/lib/openldap"’.

Type: attribute set of strings concatenated with “\n”

Default:

```
{ }
```

Example:

```
{
  "dc=example,dc=org" = ''
    dn= dn: dc=example,dc=org
    objectClass: domain
    dc: example
    dn: ou=users,dc=example,dc=org
    objectClass = organizationalUnit
    ou: users
    # ...
  '';
}
```

Declared by:
<nixpkgs/nixos/modules/services/databases/openldap.nix>

services.openldap.group
Group account under which slapd runs.

Type: string

Default:

```
"openldap"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/openldap.nix>

services.openldap.mutableConfig
Whether to allow writable on−line configuration. If ‘true’, the NixOS settings will only be used to initialize the OpenLDAP configuration if it does not exist, and are subsequently ignored.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/databases/openldap.nix>

services.openldap.settings
Configuration for OpenLDAP, in OLC format

Type: submodule

Example:

```
{
  attrs.olcLogLevel = [ "stats" ];
  children = {
    "cn=schema".includes = [
       "${pkgs.openldap}/etc/schema/core.ldif"
       "${pkgs.openldap}/etc/schema/cosine.ldif"
       "${pkgs.openldap}/etc/schema/inetorgperson.ldif"
    ];
    "olcDatabase={−1}frontend" = {
      attrs = {
        objectClass = "olcDatabaseConfig";
        olcDatabase = "{−1}frontend";
        olcAccess = [ "{0}to * by dn.exact=uidNumber=0+gidNumber=0, \
cn=peercred,cn=external,cn=auth manage stop by * none stop" ];
      };
    };
    "olcDatabase={0}config" = {
      attrs = {
        objectClass = "olcDatabaseConfig";
        olcDatabase = "{0}config";
        olcAccess = [ "{0}to * by * none break" ];
      };
    };
    "olcDatabase={1}mdb" = {
      attrs = {
        objectClass = [ "olcDatabaseConfig" "olcMdbConfig" ];
```

```
            olcDatabase = "{1}mdb";
            olcDbDirectory = "/var/lib/openldap/ldap";
            olcDbIndex = [
              "objectClass eq"
              "cn pres,eq"
              "uid pres,eq"
              "sn pres,eq,subany"
            ];
            olcSuffix = "dc=example,dc=com";
            olcAccess = [ "{0}to * by * read break" ];
          };
        };
      };
    };
```

Declared by:

<nixpkgs/nixos/modules/services/databases/openldap.nix>

services.openldap.settings.attrs

Attributes of the parent entry.

Type: attribute set of ((LDAP value − either a string, or an attrset containing `path` or `base64` for included values or base−64 encoded values respectively.) or list of (LDAP value − either a string, or an attrset containing `path` or `base64` for included values or base−64 encoded values respectively.))

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/databases/openldap.nix>

services.openldap.settings.children

Child entries of the current entry, with recursively the same structure.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
    "cn=schema" = {
    # The attribute used in the DN must be defined
    attrs = { cn = "schema"; };
    children = {
        # This entry's DN is expanded to "cn=foo,cn=schema"
        "cn=foo" = { ... };
    };
    # These includes are inserted after "cn=schema", but before "cn \
=foo,cn=schema"
    includes = [ ... ];
    };
}
```

Declared by:

<nixpkgs/nixos/modules/services/databases/openldap.nix>

services.openldap.settings.includes

LDIF files to include after the parent's attributes but before its children.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/databases/openldap.nix>

services.openldap.urlList

URL list slapd should listen on.

Type: list of string

Default:

```
[
  "ldap:///"
]
```

Example:

```
[
  "ldaps:///"
]
```

Declared by:

<nixpkgs/nixos/modules/services/databases/openldap.nix>

services.openldap.user

User account under which slapd runs.

Type: string

Default:

```
"openldap"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/openldap.nix>

services.openntpd.enable

Whether to enable OpenNTP time synchronization server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ntp/openntpd.nix>

services.openntpd.extraConfig

Additional text appended to *openntpd.conf*.

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
listen on 127.0.0.1
listen on ::1
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ntp/openntpd.nix>

services.openntpd.extraOptions
Extra options used when launching openntpd.

Type: strings concatenated with " "

Default:

```
""
```

Example:

```
"-s"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ntp/openntpd.nix>

services.openntpd.servers
The set of NTP servers from which to synchronise.

Type: list of string

Default:

```
config.services.ntp.servers
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ntp/openntpd.nix>

services.opensearch.enable
Whether to enable OpenSearch.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/search/opensearch.nix>

services.opensearch.package
The OpenSearch package to use.

Type: package

Default:

```
pkgs.opensearch
```

Declared by:
<nixpkgs/nixos/modules/services/search/opensearch.nix>

services.opensearch.dataDir
Data directory for OpenSearch. If you change this, you need to manually create the directory. You also need to create the ‘opensearch’ user and group, or change **services.opensearch.user** and **services.opensearch.group** to existing ones with access to the directory.

Type: absolute path

Default:

```
"/var/lib/opensearch"
```

Declared by:

<nixpkgs/nixos/modules/services/search/opensearch.nix>

services.opensearch.extraCmdLineOptions

Extra command line options for the OpenSearch launcher.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/search/opensearch.nix>

services.opensearch.extraJavaOptions

Extra command line options for Java.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-Djava.net.preferIPv4Stack=true"
]
```

Declared by:

<nixpkgs/nixos/modules/services/search/opensearch.nix>

services.opensearch.group

The group OpenSearch runs as. Should be left at default unless you have very specific needs.

Type: string

Default:

```
"opensearch"
```

Declared by:

<nixpkgs/nixos/modules/services/search/opensearch.nix>

services.opensearch.logging

opensearch logging configuration.

Type: string

Default:

```
    logger.action.name = org.opensearch.action
    logger.action.level = info

    appender.console.type = Console
    appender.console.name = console
    appender.console.layout.type = PatternLayout
    appender.console.layout.pattern = [%d{ISO8601}][%-5p][%-25c{1.} \
] %marker%m%n

    rootLogger.level = info
    rootLogger.appenderRef.console.ref = console
```

Declared by:
<nixpkgs/nixos/modules/services/search/opensearch.nix>

services.opensearch.restartIfChanged
Automatically restart the service on config change. This can be set to false to defer restarts on a server or cluster. Please consider the security implications of inadvertently running an older version, and the possibility of unexpected behavior caused by inconsistent versions across a cluster when disabling this option.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/search/opensearch.nix>

services.opensearch.settings
OpenSearch configuration.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/search/opensearch.nix>

services.opensearch.settings."cluster.name"
The name of the cluster.

Type: string

Default:

```
"opensearch"
```

Declared by:
<nixpkgs/nixos/modules/services/search/opensearch.nix>

services.opensearch.settings."discovery.type"
The type of discovery to use.

Type: string

Default:

```
"single-node"
```

Declared by:
<nixpkgs/nixos/modules/services/search/opensearch.nix>

services.opensearch.settings."http.port"
The port to listen on for HTTP traffic.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9200
```

Declared by:
<nixpkgs/nixos/modules/services/search/opensearch.nix>

services.opensearch.settings."network.host"
Which port this service should listen on.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/search/opensearch.nix>

services.opensearch.settings."plugins.security.disabled"
Whether to enable the security plugin, 'plugins.security.ssl.transport.keystore_filepath' or 'plugins.security.ssl.transport.server.pemcert_filepath' and 'plugins.security.ssl.transport.client.pemcert_filepath' must be set for this plugin to be enabled.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/search/opensearch.nix>

services.opensearch.settings."transport.port"
The port to listen on for transport traffic.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9300
```

Declared by:
<nixpkgs/nixos/modules/services/search/opensearch.nix>

services.opensearch.user
The user OpenSearch runs as. Should be left at default unless you have very specific needs.

Type: string

Default:

```
"opensearch"
```

Declared by:
<nixpkgs/nixos/modules/services/search/opensearch.nix>

services.opensmtpd.enable
Whether to enable the OpenSMTPD server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/mail/opensmtpd.nix>

services.opensmtpd.package
The opensmtpd package to use.

Type: package

Default:

```
pkgs.opensmtpd
```

Declared by:
<nixpkgs/nixos/modules/services/mail/opensmtpd.nix>

services.opensmtpd.extraServerArgs
Extra command line arguments provided when the smtpd process is started.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-v"
  "-P mta"
]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/opensmtpd.nix>

services.opensmtpd.procPackages
Packages to search for filters, tables, queues, and schedulers.

Add packages here if you want to use them as as such, for example from the opensmtpd−table−* packages.

Type: list of package

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/opensmtpd.nix>

services.opensmtpd.serverConfiguration
The contents of the smtpd.conf configuration file. See the OpenSMTPD documentation for syntax information.

Type: strings concatenated with “\n”

Example:

```
listen on lo
accept for any deliver to lmtp localhost:24
```

Declared by:
<nixpkgs/nixos/modules/services/mail/opensmtpd.nix>

services.opensmtpd.setSendmail
Whether to set the system sendmail to OpenSMTPD’s.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/opensmtpd.nix>

services.opensnitch.enable

Whether to enable Opensnitch application firewall.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/security/opensnitch.nix>

services.opensnitch.package

The opensnitch package to use.

Type: package

Default:

```
pkgs.opensnitch
```

Declared by:

<nixpkgs/nixos/modules/services/security/opensnitch.nix>

services.opensnitch.rules

Declarative configuration of firewall rules. All rules will be stored in '/var/lib/opensnitch/rules' by default. Rules path can be configured with 'settings.Rules.Path'. See **upstream documentation** for available options.

Type: open submodule of (JSON value)

Default:

```
{ }
```

Example:

```
{
  "tor" = {
    "name" = "tor";
    "enabled" = true;
    "action" = "allow";
    "duration" = "always";
    "operator" = {
      "type" ="simple";
      "sensitive" = false;
      "operand" = "process.path";
      "data" = "${lib.getBin pkgs.tor}/bin/tor";
    };
  };
};
```

Declared by:

<nixpkgs/nixos/modules/services/security/opensnitch.nix>

services.opensnitch.settings
opensnitchd configuration. Refer to **upstream documentation** for details on supported values.

Type: open submodule of (JSON value)

Declared by:
<nixpkgs/nixos/modules/services/security/opensnitch.nix>

services.opensnitch.settings.Audit.AudispSocketPath
Configure audit socket path. Used when ‘settings.ProcMonitorMethod’ is set to ‘audit’.

Type: absolute path

Default:

```
"/run/audit/audispd_events"
```

Declared by:
<nixpkgs/nixos/modules/services/security/opensnitch.nix>

services.opensnitch.settings.DefaultAction
Default action whether to block or allow application internet access.

Type: one of “allow”, “deny”

Declared by:
<nixpkgs/nixos/modules/services/security/opensnitch.nix>

services.opensnitch.settings.Ebpf.ModulesPath
Configure eBPF modules path. Used when ‘settings.ProcMonitorMethod’ is set to ‘ebpf’.

Type: null or absolute path

Default:

```
if cfg.settings.ProcMonitorMethod == "ebpf" then
  "\\$\\{config.boot.kernelPackages.opensnitch-ebpf\\}/etc/o \
pensnitchd"
else null;
```

Declared by:
<nixpkgs/nixos/modules/services/security/opensnitch.nix>

services.opensnitch.settings.Firewall
Which firewall backend to use.

Type: one of “iptables”, “nftables”

Declared by:
<nixpkgs/nixos/modules/services/security/opensnitch.nix>

services.opensnitch.settings.InterceptUnknown
Whether to intercept spare connections.

Type: boolean

Declared by:
<nixpkgs/nixos/modules/services/security/opensnitch.nix>

services.opensnitch.settings.LogLevel
Default log level from 0 to 4 (debug, info, important, warning, error).

Type: integer between 0 and 4 (both inclusive)

Declared by:
<nixpkgs/nixos/modules/services/security/opensnitch.nix>

services.opensnitch.settings.ProcMonitorMethod
Which process monitoring method to use.

Type: one of “ebpf”, “proc”, “ftrace”, “audit”

Declared by:
<nixpkgs/nixos/modules/services/security/opensnitch.nix>

services.opensnitch.settings.Rules.Path
Path to the directory where firewall rules can be found and will get stored by the NixOS module.

Type: absolute path

Default:

```
"/var/lib/opensnitch/rules"
```

Declared by:
<nixpkgs/nixos/modules/services/security/opensnitch.nix>

services.opensnitch.settings.Server.Address
Unix socket path (unix:///tmp/osui.sock, the “unix:///” part is mandatory) or TCP socket (192.168.1.100:50051).

Type: string

Declared by:
<nixpkgs/nixos/modules/services/security/opensnitch.nix>

services.opensnitch.settings.Server.LogFile
File to write logs to (use /dev/stdout to write logs to standard output).

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/security/opensnitch.nix>

services.opensnitch.settings.Stats.MaxEvents
Max events to send to the GUI.

Type: signed integer

Declared by:
<nixpkgs/nixos/modules/services/security/opensnitch.nix>

services.opensnitch.settings.Stats.MaxStats
Max stats per item to keep in backlog.

Type: signed integer

Declared by:
<nixpkgs/nixos/modules/services/security/opensnitch.nix>

services.openssh.enable
Whether to enable the OpenSSH secure shell daemon, which allows secure remote logins.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.openssh.enableRecommendedAlgorithms
Use algorithms curated and recommended by NixOS.

Set to false to use upstream's default algorithms.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.openssh.package
OpenSSH package to use for sshd.

Type: package

Default:

```
programs.ssh.package
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.openssh.allowSFTP
Whether to enable the SFTP subsystem in the SSH daemon. This enables the use of commands such as **sftp** and **sshfs**.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.openssh.authorizedKeysCommand
Specifies a program to be used to look up the user's public keys. The program must be owned by root, not writable by group or others and specified by an absolute path.

Type: string

Default:

```
"none"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.openssh.authorizedKeysCommandUser
Specifies the user under whose account the AuthorizedKeysCommand is run. It is recommended to use a dedicated user that has no other role on the host than running authorized keys commands.

Type: string

Default:

```
"nobody"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.openssh.authorizedKeysFiles

Specify the rules for which files to read on the host.

This is an advanced option. If you're looking to configure user keys, you can generally use **users.users.<name>.openssh.authorizedKeys.keys** or **users.users.<name>.openssh.authorizedKeys.keyFiles**.

These are paths relative to the host root file system or home directories and they are subject to certain token expansion rules. See AuthorizedKeysFile in man sshd_config for details.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.openssh.authorizedKeysInHomedir

Enables the use of the '~/.ssh/authorized_keys' file.

Otherwise, the only files trusted by default are those in '/etc/ssh/authorized_keys.d', *i.e.* SSH keys from **users.users.<name>.openssh.authorizedKeys.keys**.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.openssh.extraConfig

Verbatim contents of *sshd_config*.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.openssh.generateHostKeys

Whether to generate SSH host keys.

This can be enabled explicitly if you want to generate host keys but don't want to enable the SSH daemon.

Type: boolean

Default:

```
services.openssh.enable
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.openssh.hostKeys

NixOS can automatically generate SSH host keys. This option specifies the path, type and size of each key. See **ssh-keygen**(1) for supported types and sizes.

Type: list of (attribute set)

Default:

```
[
  {
    bits = 4096;
    path = "/etc/ssh/ssh_host_rsa_key";
    type = "rsa";
  }
  {
    path = "/etc/ssh/ssh_host_ed25519_key";
    type = "ed25519";
  }
]
```

Example:

```
[
  {
    bits = 4096;
    openSSHFormat = true;
    path = "/etc/ssh/ssh_host_rsa_key";
    type = "rsa";
  }
  {
    comment = "key comment";
    path = "/etc/ssh/ssh_host_ed25519_key";
    type = "ed25519";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.openssh.knownHosts

Alias of **programs.ssh.knownHosts**.

Type: attribute set of (submodule)

Declared by:

<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.openssh.knownHosts.<name>.certAuthority

This public key is an SSH certificate authority, rather than an individual host's key.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/programs/ssh.nix>

services.openssh.knownHosts.<name>.extraHostNames

A list of additional host names and/or IP numbers used for accessing the host's ssh service. This list is ignored if 'hostNames' is set explicitly.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/programs/ssh.nix>

services.openssh.knownHosts.<name>.hostNames

A list of host names and/or IP numbers used for accessing the host's ssh service. This list includes the name of the containing 'knownHosts' attribute by default for convenience. If you wish to configure multiple host keys for the same host use multiple 'knownHosts' entries with different attribute names and the same 'hostNames' list.

Type: list of string

Default:

```
[ ‹name› ] ++ config.services.openssh.knownHosts.<name>.extraHostNa \
mes
```

Declared by:

<nixpkgs/nixos/modules/programs/ssh.nix>

services.openssh.knownHosts.<name>.publicKey

The public key data for the host. You can fetch a public key from a running SSH server with the **ssh-keyscan** command. The public key should not include any host names, only the key type and the key itself.

Type: null or string

Default:

```
null
```

Example:

```
"ecdsa-sha2-nistp521 AAAAE2VjZHN...UEPg=="
```

Declared by:

<nixpkgs/nixos/modules/programs/ssh.nix>

services.openssh.knownHosts.<name>.publicKeyFile

The path to the public key file for the host. The public key file is read at build time and saved in the Nix store. You can fetch a public key file from a running SSH server with the **ssh-keyscan** command. The content of the file should follow the same format as described for the 'publicKey' option. Only a single key is supported. If a host has multiple keys, use **programs.ssh.knownHostsFiles** instead.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/programs/ssh.nix>

services.openssh.listenAddresses

List of addresses and ports to listen on (ListenAddress directive in config). If port is not specified for address sshd will listen on all ports specified by ‘ports’ option. NOTE: this will override default listening on all local addresses and port 22. NOTE: setting this option won’t automatically enable given ports in firewall configuration. NOTE: If the IP address is not available at boot time, the following has to be added to make sure sshd will wait for dhcp configuration:

```
systemd.services.sshd = {
  wants = [ "network-online.target" ];
  after = [ "network-online.target" ];
};
```

See the following issue for details: **https://github.com/NixOS/nixpkgs/issues/105570**

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    addr = "192.168.3.1";
    port = 22;
  }
  {
    addr = "0.0.0.0";
    port = 64022;
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.openssh.listenAddresses.*.addr

Host, IPv4 or IPv6 address to listen to.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.openssh.listenAddresses.*.port

Port to listen to.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.openssh.moduliFile

Path to ‘moduli’ file to install in ‘/etc/ssh/moduli’. If this option is unset, then the ‘moduli’ file shipped with OpenSSH will be used.

Type: absolute path

Example:

```
"/etc/my-local-ssh-moduli;"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.openssh.openFirewall

Whether to automatically open the specified ports in the firewall.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.openssh.ports

Specifies on which ports the SSH daemon listens.

Type: list of 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
[
  22
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.openssh.settings

Configuration for ‘sshd_config(5)’.

Type: open submodule of attribute set of (atom (null, bool, int, float or string))

Default:

```
{ }
```

Example:

```
{
  UseDns = true;
  PasswordAuthentication = false;
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.openssh.settings.AcceptEnv

Specifies what environment variables sent by the client will be copied into the session’s environment. The TERM environment variable is always accepted whenever the client requests a pseudo-terminal as it is required by the protocol.

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.openssh.settings.AllowGroups
If specified, login is allowed only for users part of the listed groups. See **sshd_config**(5) for details.

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.openssh.settings.AllowUsers
If specified, login is allowed only for the listed users. See **sshd_config**(5) for details.

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.openssh.settings.AuthorizedPrincipalsFile
Specifies a file that lists principal names that are accepted for certificate authentication. The default is ‘"none"’, i.e. not to use a principals file.

Type: null or string

Default:

```
"none"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.openssh.settings.Banner
The file whose contents are sent to the remote user before authentication.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/etc/ssh/banner"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.openssh.settings.Ciphers
Allowed ciphers

Defaults to a curated set of algorithms. Set enableRecommendedAlgorithms to false to use upstream’s defaults.

Type: null or (list of string)

Default:

```
if config.services.openssh.enableRecommendedAlgorithms then
  [
    "chacha20-poly1305@openssh.com"
```

```
        "aes256-gcm@openssh.com"
        "aes128-gcm@openssh.com"
        "aes256-ctr"
        "aes192-ctr"
        "aes128-ctr"
      ]
    else
      null;
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.openssh.settings.DenyGroups
If specified, login is denied for all users part of the listed groups. Takes precedence over **services.openssh.settings.AllowGroups**. See **sshd_config**(5) for details.

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.openssh.settings.DenyUsers
If specified, login is denied for all listed users. Takes precedence over **services.openssh.settings.AllowUsers**. See **sshd_config**(5) for details.

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.openssh.settings.GatewayPorts
Specifies whether remote hosts are allowed to connect to ports forwarded for the client. See **sshd_config**(5).

Type: null or string

Default:

```
"no"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.openssh.settings.KbdInteractiveAuthentication
Specifies whether keyboard-interactive authentication is allowed.

Type: null or boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.openssh.settings.KexAlgorithms

Allowed key exchange algorithms

Defaults to a curated set of algorithms. Set enableRecommendedAlgorithms to false to use upstream's defaults.

Type: null or (list of string)

Default:

```
if config.services.openssh.enableRecommendedAlgorithms then
  [
    "mlkem768x25519-sha256"
    "sntrup761x25519-sha512"
    "sntrup761x25519-sha512@openssh.com"
    "curve25519-sha256"
    "curve25519-sha256@libssh.org"
    "diffie-hellman-group-exchange-sha256"
  ]
else
  null;
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.openssh.settings.LogLevel

Gives the verbosity level that is used when logging messages from **sshd**(8). Logging with a DEBUG level violates the privacy of users and is not recommended.

Type: null or one of "QUIET", "FATAL", "ERROR", "INFO", "VERBOSE", "DEBUG", "DEBUG1", "DEBUG2", "DEBUG3"

Default:

```
"INFO"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.openssh.settings.Macs

Allowed MACs

Defaults to a curated set of algorithms. Set enableRecommendedAlgorithms to false to use upstream's defaults.

Type: null or (list of string)

Default:

```
if config.services.openssh.enableRecommendedAlgorithms then
  [
    "hmac-sha2-512-etm@openssh.com"
    "hmac-sha2-256-etm@openssh.com"
    "umac-128-etm@openssh.com"
  ]
else
  null;
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.openssh.settings.PasswordAuthentication

Specifies whether password authentication is allowed.

Type: null or boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.openssh.settings.PermitRootLogin

Whether the root user can login using ssh.

Type: null or one of “yes”, “without−password”, “prohibit−password”, “forced−commands−only”, “no”

Default:

```
"prohibit-password"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.openssh.settings.PrintMotd

Whether to enable printing /etc/motd when a user logs in interactively.

Type: null or boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.openssh.settings.StrictModes

Whether sshd should check file modes and ownership of directories

Type: null or boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.openssh.settings.UseDns

Specifies whether **sshd**(8) should look up the remote host name, and to check that the resolved host name for the remote IP address maps back to the very same IP address. If this option is set to no (the default) then only addresses and not host names may be used in ~/.ssh/authorized_keys from and sshd_config Match Host directives.

Type: null or boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.openssh.settings.UsePAM
Whether to enable PAM authentication.

Type: null or boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.openssh.settings.X11Forwarding
Whether to allow X11 connections to be forwarded.

Type: null or boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.openssh.sftpFlags
Commandline flags to add to sftp−server.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "−f AUTHPRIV"
  "−l INFO"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.openssh.sftpServerExecutable
The sftp server executable. Can be a path or “internal−sftp” to use the sftp server built into the sshd binary.

Type: string

Example:

```
"internal−sftp"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.openssh.startWhenNeeded
If set, **sshd** is socket−activated; that is, instead of having it permanently running as a daemon, systemd will start an instance for each incoming connection.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.opentelemetry-collector.enable
Whether to enable Opentelemetry Collector.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/opentelemetry-collector.nix>

services.opentelemetry-collector.package
The opentelemetry-collector package to use.

Type: package

Default:

```
pkgs.opentelemetry-collector
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/opentelemetry-collector.nix>

services.opentelemetry-collector.configFile
Specify a path to a configuration file that Opentelemetry Collector should use.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/opentelemetry-collector.nix>

services.opentelemetry-collector.settings
Specify the configuration for Opentelemetry Collector in Nix.

See **https://opentelemetry.io/docs/collector/configuration/** for available options.

Type: YAML 1.1 value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/opentelemetry-collector.nix>

services.opentelemetry-collector.validateConfigFile
Whether to enable Validate configuration file.

Type: boolean

Default: true if configFile is a store path

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/opentelemetry−collector.nix>

services.openthread−border−router.enable
Whether to enable the OpenThread Border Router.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/openthread−border−router.nix>

services.openthread−border−router.package
The openthread−border−router package to use.

Type: package

Default:

```
pkgs.openthread−border−router
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/openthread−border−router.nix>

services.openthread−border−router.backboneInterfaces
The network interfaces on which to advertise the thread ipv6 mesh prefix. Can be specified multiple times.

Type: list of string

Default:

```
[
  "eth0"
]
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/openthread−border−router.nix>

services.openthread−border−router.extraArgs
Extra arguments to pass to the otbr−agent daemon.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "−−radio−version"
]
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/openthread−border−router.nix>

services.openthread−border−router.interfaceName
The network interface to create for thread packets.

Type: string

Default:

```
"wpan0"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/openthread−border−router.nix>

services.openthread−border−router.logLevel
The level to use when logging messages.

Type: one of “alert”, “crit”, “debug”, “emerg”, “err”, “info”, “notice”, “warning”

Default:

```
"err"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/openthread−border−router.nix>

services.openthread−border−router.openFirewall
Whether to open the firewall for the REST API and web interface ports.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/openthread−border−router.nix>

services.openthread−border−router.radio.baudRate
The baud rate of the radio device. Ignored if **services.openthread−border−router.radio.url** is set.

Type: positive integer, meaning >0

Default:

```
115200
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/openthread−border−router.nix>

services.openthread−border−router.radio.device
The device name of the serial port of the radio device. Ignored if **services.openthread−border−router.radio.url** is set.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/openthread−border−router.nix>

services.openthread−border−router.radio.extraDevices
Extra devices to add to the radio device.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "trel://eth0"
]
```

Declared by:
<nixpkgs/nixos/modules/services/home-automation/openthread-border-router.nix>

services.openthread-border-router.radio.flowControl
Enable hardware flow control. Ignored if **services.openthread-border-router.radio.url** is set.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/home-automation/openthread-border-router.nix>

services.openthread-border-router.radio.url
The URL of the radio device to use.

Type: null or string

Default:

```
null
```

Example:

```
"spinel+hdlc+uart:///dev/ttyUSB0?uart-baudrate=460800&uart-flow- \
control"
```

Declared by:
<nixpkgs/nixos/modules/services/home-automation/openthread-border-router.nix>

services.openthread-border-router.radio.urlQueryString
Extra URL query string parameters. Ignored if **services.openthread-border-router.radio.url** is set.

Type: string

Default:

```
""
```

Example:

```
"bus-latency=100&region=ca"
```

Declared by:
<nixpkgs/nixos/modules/services/home-automation/openthread-border-router.nix>

services.openthread-border-router.rest.listenAddress
The address on which to listen for REST API requests.

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"::"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/openthread−border−router.nix>

services.openthread−border−router.rest.listenPort
The port on which to listen for REST API requests. Warning: the web interface relies on this value being set to 8081.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8081
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/openthread−border−router.nix>

services.openthread−border−router.web.enable
Whether to enable the web interface.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/openthread−border−router.nix>

services.openthread−border−router.web.listenAddress
The address on which the web interface should listen.

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"::"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/openthread−border−router.nix>

services.openthread−border−router.web.listenPort
The port on which the web interface should listen.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8082
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/openthread−border−router.nix>

services.opentracker.enable
Whether to enable opentracker.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/opentracker.nix>

services.opentracker.package
The opentracker package to use.

Type: package

Default:

```
pkgs.opentracker
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/opentracker.nix>

services.opentracker.extraOptions
Configuration Arguments for opentracker See **https://erdgeist.org/arts/software/opentracker/** for all params

Type: strings concatenated with " "

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/opentracker.nix>

services.opentsdb.enable
Whether to enable OpenTSDB.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/databases/opentsdb.nix>

services.opentsdb.package
The opentsdb package to use.

Type: package

Default:

```
pkgs.opentsdb
```

Declared by:
<nixpkgs/nixos/modules/services/databases/opentsdb.nix>

services.opentsdb.config
The contents of OpenTSDB's configuration file

Type: strings concatenated with "\n"

Default:

```
tsd.core.auto_create_metrics = true
tsd.http.request.enable_chunked  = true
```

Declared by:
<nixpkgs/nixos/modules/services/databases/opentsdb.nix>

services.opentsdb.group
Group account under which OpenTSDB runs.

Type: string

Default:

```
"opentsdb"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/opentsdb.nix>

services.opentsdb.port
Which port OpenTSDB listens on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
4242
```

Declared by:
<nixpkgs/nixos/modules/services/databases/opentsdb.nix>

services.opentsdb.user
User account under which OpenTSDB runs.

Type: string

Default:

```
"opentsdb"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/opentsdb.nix>

services.openvpn.package
The openvpn package to use.

Type: package

Default:

```
pkgs.openvpn
```

Declared by:
<nixpkgs/nixos/modules/services/networking/openvpn.nix>

services.openvpn.restartAfterSleep
Whether OpenVPN client should be restarted after sleep.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/openvpn.nix>

services.openvpn.servers
Each attribute of this option defines a systemd service that runs an OpenVPN instance. These can be OpenVPN servers or clients. The name of each systemd service is ‘openvpn−«name».service’, where «name» is the corresponding attribute name.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  server = {
    config = ''
      # Simplest server configuration: https://community.openvpn.ne \
t/openvpn/wiki/StaticKeyMiniHowto
      # server :
      dev tun
      ifconfig 10.8.0.1 10.8.0.2
      secret /root/static.key
    '';
    up = "ip route add ...";
    down = "ip route del ...";
  };
  client = {
    config = ''
      client
      remote vpn.example.org
      dev tun
      proto tcp-client
      port 8080
      ca /root/.vpn/ca.crt
      cert /root/.vpn/alice.crt
      key /root/.vpn/alice.key
    '';
    up = "echo nameserver $nameserver | ${pkgs.openresolv}/sbin/res \
olvconf -m 0 -a $dev";
    down = "${pkgs.openresolv}/sbin/resolvconf -d $dev";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/openvpn.nix>

services.openvpn.servers.<name>.authUserPass

This option can be used to store the username / password credentials with the “auth-user-pass” authentication method.

You can either provide an attribute set of ‘username’ and ‘password’, or the path to a file containing the credentials on two lines.

WARNING: If you use an attribute set, this option will put the credentials WORLD-READABLE into the Nix store!

Type: null or (optionally newline-terminated) single-line string or (submodule)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/openvpn.nix>

services.openvpn.servers.<name>.autoStart

Whether this OpenVPN instance should be started automatically.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/openvpn.nix>

services.openvpn.servers.<name>.config

Configuration of this OpenVPN instance. See **openvpn**(8) for details.

To import an external config file, use the following definition: ‘config = "config /path/to/config.ovpn"’

Type: strings concatenated with “\n”

Declared by:

<nixpkgs/nixos/modules/services/networking/openvpn.nix>

services.openvpn.servers.<name>.down

Shell commands executed when the instance is shutting down.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/networking/openvpn.nix>

services.openvpn.servers.<name>.up

Shell commands executed when the instance is starting.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/networking/openvpn.nix>

services.openvpn.servers.<name>.updateResolvConf

Use the script from the update−resolv−conf package to automatically update resolv.conf with the DNS information provided by openvpn. The script will be run after the “up” commands and before the “down” commands.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/openvpn.nix>

services.openvscode−server.enable

Whether to enable openvscode−server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/openvscode−server.nix>

services.openvscode−server.package
The openvscode−server package to use.

Type: package

Default:

```
pkgs.openvscode−server
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/openvscode−server.nix>

services.openvscode−server.connectionToken
A secret that must be included with all requests.

Type: null or string

Default:

```
null
```

Example:

```
"secret−token"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/openvscode−server.nix>

services.openvscode−server.connectionTokenFile
Path to a file that contains the connection token.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/openvscode−server.nix>

services.openvscode−server.extensionsDir
Set the root path for extensions.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/openvscode−server.nix>

services.openvscode−server.extraArguments
Additional arguments to pass to openvscode−server.

Type: list of string

Default:

```
[ ]
```

Example:

```
[ "−−log=info" ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/openvscode−server.nix>

services.openvscode−server.extraEnvironment
Additional environment variables to pass to openvscode−server.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  PKG_CONFIG_PATH = "/run/current−system/sw/lib/pkgconfig";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/openvscode−server.nix>

services.openvscode−server.extraGroups
An array of additional groups for the ‘openvscode−server’ user.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "docker"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/openvscode−server.nix>

services.openvscode−server.extraPackages
Additional packages to add to the openvscode−server **PATH**.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.go ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/openvscode−server.nix>

services.openvscode−server.group
The group to run openvscode−server under. By default, a group named ‘openvscode−server’ will be created.

Type: string

Default:

```
"openvscode−server"
```

Example:

```
"yourGroup"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/openvscode−server.nix>

services.openvscode−server.host
The host name or IP address the server should listen to.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/openvscode−server.nix>

services.openvscode−server.port
The port the server should listen to. If 0 is passed a random free port is picked. If a range in the format num−num is passed, a free port from the range (end inclusive) is selected.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/openvscode−server.nix>

services.openvscode−server.serverDataDir
Specifies the directory that server data is kept in.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/openvscode−server.nix>

services.openvscode−server.socketPath
The path to a socket file for the server to listen to.

Type: null or string

Default:

```
null
```

Example:

```
"/run/openvscode/socket"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/openvscode−server.nix>

services.openvscode−server.telemetryLevel
Sets the initial telemetry level. Valid levels are: ‘off’, ‘crash’, ‘error’ and ‘all’.

Type: null or one of “off”, “crash”, “error”, “all”

Default:

```
null
```

Example:

```
"crash"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/openvscode−server.nix>

services.openvscode−server.user
The user to run openvscode−server as. By default, a user named ‘openvscode−server’ will be created.

Type: string

Default:

```
"openvscode−server"
```

Example:

```
"yourUser"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/openvscode−server.nix>

services.openvscode−server.userDataDir
Specifies the directory that user data is kept in. Can be used to open multiple distinct instances of Code.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/openvscode−server.nix>

services.openvscode−server.withoutConnectionToken
Run without a connection token. Only use this if the connection is secured by other means.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/openvscode−server.nix>

services.openwebrx.enable
Whether to enable OpenWebRX Web interface for Software−Defined Radios on http://localhost:8073.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/openwebrx.nix>

services.openwebrx.package
The openwebrx package to use.

Type: package

Default:

```
pkgs.openwebrx
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/openwebrx.nix>

services.opkssh.enable
Whether to enable OpenID Connect SSH authentication.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/opkssh/opkssh.nix>

services.opkssh.package
The opkssh package to use.

Type: package

Default:

```
pkgs.opkssh
```

Declared by:
<nixpkgs/nixos/modules/services/networking/opkssh/opkssh.nix>

services.opkssh.authorizations
User authorization mappings

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
# This example refers to values in the providers example
# adjust your expressions as necessary
[
  {
    user = "alice";
    principal = "alice@gmail.com";
    inherit (config.services.opkssh.providers.google) issuer;
  }
  {
    user = "bob";
    principal = "repo:NixOs/nixpkgs:environment:production";
    inherit (config.services.opkssh.providers.github) issuer;
  }
];
```

Declared by:
<nixpkgs/nixos/modules/services/networking/opkssh/opkssh.nix>

services.opkssh.authorizations.*.issuer
Issuer URI

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/opkssh/opkssh.nix>

services.opkssh.authorizations.*.principal
Principal identifier (email, repo, etc.)

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/opkssh/opkssh.nix>

services.opkssh.authorizations.*.user
Linux user to authorize

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/opkssh/opkssh.nix>

services.opkssh.group
System group for opkssh

Type: string

Default:

```
"opksshuser"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/opkssh/opkssh.nix>

services.opkssh.providers
OpenID Connect providers configuration

Type: attribute set of (submodule)

Default:

```
{
  github = {
    clientId = "github";
    issuer = "https://token.actions.githubusercontent.com";
    lifetime = "oidc";
  };
  google = {
    clientId = "206584157355-7cbe4s640tvm7naoludob4ut1emii7sf.apps \
.googleusercontent.com";
    issuer = "https://accounts.google.com";
    lifetime = "24h";
  };
  microsoft = {
    clientId = "096ce0a3-5e72-4da8-9c86-12924b294a01";
    issuer = "https://login.microsoftonline.com/9188040d-6c67-4c5 \
b-b112-36a304b66dad/v2.0";
    lifetime = "24h";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/opkssh/opkssh.nix>

services.opkssh.providers.<name>.clientId
OAuth client ID

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/opkssh/opkssh.nix>

services.opkssh.providers.<name>.issuer
Issuer URI

Type: string

Example:

```
"https://accounts.google.com"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/opkssh/opkssh.nix>

services.opkssh.providers.<name>.lifetime
Token lifetime

Type: one of “12h”, “24h”, “48h”, “1week”, “oidc”, “oidc−refreshed”

Default:

```
"24h"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/opkssh/opkssh.nix>

services.opkssh.user
System user for running opkssh

Type: string

Default:

```
"opksshuser"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/opkssh/opkssh.nix>

services.orangefs.client.enable
Whether to enable OrangeFS client daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/orangefs/client.nix>

services.orangefs.client.extraOptions
Extra command line options for pvfs2−client.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/orangefs/client.nix>

services.orangefs.client.fileSystems

The orangefs file systems to be mounted. This option is preferred over using **fileSystems** directly since the pvfs client service needs to be running for it to be mounted.

Type: list of (submodule)

Example:

```
[
  {
    mountPoint = "/orangefs";
    target = "tcp://server:3334/orangefs";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/orangefs/client.nix>

services.orangefs.client.fileSystems.*.mountPoint

Mount point.

Type: string

Default:

```
"/orangefs"
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/orangefs/client.nix>

services.orangefs.client.fileSystems.*.options

Mount options

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/orangefs/client.nix>

services.orangefs.client.fileSystems.*.target

Target URL

Type: string

Example:

```
"tcp://server:3334/orangefs"
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/orangefs/client.nix>

services.orangefs.server.enable

Whether to enable OrangeFS server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/orangefs/server.nix>

services.orangefs.server.BMIModules
List of BMI modules to load.

Type: list of string

Default:

```
[
  "bmi_tcp"
]
```

Example:

```
[
  "bmi_tcp"
  "bmi_ib"
]
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/orangefs/server.nix>

services.orangefs.server.dataStorageSpace
Directory for data storage.

Type: null or string

Default:

```
null
```

Example:

```
"/data/storage"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/orangefs/server.nix>

services.orangefs.server.extraConfig
Extra config for the global section.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/orangefs/server.nix>

services.orangefs.server.extraDefaults
Extra config for ‘<Defaults>’ section.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/orangefs/server.nix>

services.orangefs.server.fileSystems

These options will create the '<FileSystem>' sections of config file.

Type: attribute set of (submodule)

Default:

```
{
  orangefs = { };
}
```

Example:

```
{
  fs1 = {
    id = 101;
  };
  fs2 = {
    id = 102;
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/orangefs/server.nix>

services.orangefs.server.fileSystems.<name>.extraConfig

Extra config for '<FileSystem>' section.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/orangefs/server.nix>

services.orangefs.server.fileSystems.<name>.extraStorageHints

Extra config for '<StorageHints>' section.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/orangefs/server.nix>

services.orangefs.server.fileSystems.<name>.id

File system ID (must be unique within configuration).

Type: signed integer

Default:

```
1
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/orangefs/server.nix>

services.orangefs.server.fileSystems.<name>.rootHandle

File system root ID.

Type: signed integer

Default:

```
3
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/orangefs/server.nix>

services.orangefs.server.fileSystems.<name>.troveSyncData

Sync data.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/orangefs/server.nix>

services.orangefs.server.fileSystems.<name>.troveSyncMeta

Sync meta data.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/orangefs/server.nix>

services.orangefs.server.logType

Destination for log messages.

Type: one of “file”, “syslog”

Default:

```
"syslog"
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/orangefs/server.nix>

services.orangefs.server.metadataStorageSpace

Directory for meta data storage.

Type: null or string

Default:

```
null
```

Example:

```
"/data/meta"
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/orangefs/server.nix>

services.orangefs.server.servers

URLs for storage server including port. The attribute names define the server alias.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  node1 = "tcp://node1:3334";
  node2 = "tcp://node2:3334";
}
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/orangefs/server.nix>

services.orca.enable

Whether to enable Orca screen reader.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/accessibility/orca.nix>

services.orca.package

The orca package to use.

Type: package

Default:

```
pkgs.orca
```

Declared by:

<nixpkgs/nixos/modules/services/accessibility/orca.nix>

services.orthanc.enable

Whether to enable Orthanc server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/orthanc.nix>

services.orthanc.package

The orthanc package to use.

Type: package

Default:

```
pkgs.orthanc
```

Declared by:
<nixpkgs/nixos/modules/services/misc/orthanc.nix>

services.orthanc.environment
Extra environment variables For more details see **https://orthanc.uclouvain.be/book/users/configuration.html**

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  ORTHANC_NAME = "Orthanc server";
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/orthanc.nix>

services.orthanc.environmentFile
Environment file to be passed to the systemd service. Useful for passing secrets to the service to prevent them from being world−readable in the Nix store.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/lib/secrets/orthancSecrets"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/orthanc.nix>

services.orthanc.openFirewall
Whether to open the firewall for Orthanc. This adds ‘services.orthanc.settings.HttpPort’ to ‘networking.firewall.allowedTCPPorts’.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/orthanc.nix>

services.orthanc.settings
Configuration written to a json file that is read by orthanc. See **https://orthanc.uclouvain.be/book/index.html** for more.

Type: open submodule of (JSON value)

Default:

```
{
  HttpPort = {
    _type = "override";
    content = 8042;
    priority = 1000;
```

```
    };
    IndexDirectory = {
      _type = "override";
      content = "/var/lib/orthanc/";
      priority = 1000;
    };
    StorageDirectory = {
      _type = "override";
      content = "/var/lib/orthanc/";
      priority = 1000;
    };
  }
```

Example:

```
{
  HttpPort = 12345;
  Name = "My Orthanc Server";
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/orthanc.nix>

services.orthanc.stateDir
State directory of Orthanc.

Type: absolute path

Default:

```
"/var/lib/orthanc"
```

Example:

```
"/home/foo"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/orthanc.nix>

services.osquery.enable
Whether to enable osqueryd daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/osquery.nix>

services.osquery.package
The osquery package to use.

Type: package

Default:

```
pkgs.osquery
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/osquery.nix>

services.osquery.flags
Attribute set of flag names and values to be written to the osqueryd flagfile. For more information, refer to **https://osquery.readthedocs.io/en/stable/installation/cli-flags**.

Type: open submodule of attribute set of string

Default:

```
{ }
```

Example:

```
{
  config_refresh = "10";
}
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/osquery.nix>

services.osquery.flags.database_path
Path used for the database file.

> **Note**
> If left as the default value, this directory will be automatically created before the service starts, otherwise you are responsible for ensuring the directory exists with the appropriate ownership and permissions.

Type: absolute path *(read only)*

Default:

```
"/var/lib/osquery/osquery.db"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/osquery.nix>

services.osquery.flags.logger_path
Base directory used for logging.

> **Note**
> If left as the default value, this directory will be automatically created before the service starts, otherwise you are responsible for ensuring the directory exists with the appropriate ownership and permissions.

Type: absolute path *(read only)*

Default:

```
"/var/log/osquery"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/osquery.nix>

services.osquery.flags.pidfile
Path used for pid file.

Type: absolute path *(read only)*

Default:

```
"/run/osquery/osqueryd.pid"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/osquery.nix>

services.osquery.settings
Configuration to be written to the osqueryd JSON configuration file. To understand the configuration format, refer to **https://osquery.readthedocs.io/en/stable/deployment/configuration/#configuration-components**.

Type: attribute set

Default:

```
{ }
```

Example:

```
{
  options = {
    utc = false;
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/osquery.nix>

services.osrm.enable
Enable the OSRM service.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/osrm.nix>

services.osrm.address
IP address on which the web server will listen.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/osrm.nix>

services.osrm.algorithm
Algorithm to use for the data. Must be one of CH, CoreCH, MLD

Type: one of “CH”, “CoreCH”, “MLD”

Default:

```
"MLD"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/osrm.nix>

services.osrm.dataFile
Data file location

Type: absolute path

Example:

```
"/var/lib/osrm/berlin-latest.osrm"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/osrm.nix>

services.osrm.extraFlags
Extra command line arguments passed to osrm−routed

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--max-table-size 1000"
  "--max-matching-size 1000"
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/osrm.nix>

services.osrm.port
Port on which the web server will run.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5000
```

Declared by:
<nixpkgs/nixos/modules/services/misc/osrm.nix>

services.osrm.threads
Number of threads to use.

Type: signed integer

Default:

```
4
```

Declared by:
<nixpkgs/nixos/modules/services/misc/osrm.nix>

services.ostinato.enable
Whether to enable Ostinato agent−controller (Drone).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ostinato.nix>

services.ostinato.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
7878
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ostinato.nix>

services.ostinato.portList.exclude
A list of ports does not appear on the port list managed by drone.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "usbmon*"
  "eth0"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ostinato.nix>

services.ostinato.portList.include
For a port to pass the filter and appear on the port list managed by drone, it be allowed by this include list.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "eth*"
  "lo*"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ostinato.nix>

services.ostinato.rateAccuracy
To ensure that the actual transmit rate is as close as possible to the configured transmit rate, Drone runs a busy−wait loop. While this provides the maximum accuracy possible, the CPU utilization is 100% while the transmit is on. You can however, sacrifice the accuracy to reduce the CPU load.

Type: one of “High”, “Low”

Default:

```
"High"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ostinato.nix>

services.ostinato.rpcServer.address
By default, the Drone RPC server will listen on all interfaces and local IPv4 addresses for incoming connections from clients. Specify a single IPv4 or IPv6 address if you want to restrict that. To listen on any IPv6 address, use ::

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ostinato.nix>

services.outline.enable
Whether to enable outline.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.enableUpdateCheck
Have the installation check for updates by sending anonymized statistics to the maintainers.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.package
Outline package to use.

Type: package

Default:

```
pkgs.outline
```

Example:

```
pkgs.outline.overrideAttrs (super: {
  # Ignore the domain part in emails that come from OIDC. This is m \
ight
  # be helpful if you want multiple users with different email prov \
iders
  # to still land in the same team. Note that this effectively make \
s
  # Outline a single−team instance.
  patchPhase = ''
    sed −i 's/const domain = parts\.length && parts\[1\];/const \
 domain = "example.com";/g' plugins/oidc/server/auth/oidc.ts
  '';
})
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.azureAuthentication
To configure Microsoft/Azure auth, you'll need to create an OAuth Client. See **the guide** for details on setting up your Azure App.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.azureAuthentication.clientId
Authentication client identifier.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.azureAuthentication.clientSecretFile
File path containing the authentication secret.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.azureAuthentication.resourceAppId
Authentication application resource ID.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.cdnUrl
If using a Cloudfront/Cloudflare distribution or similar it can be set using this option. This will cause paths to JavaScript files, stylesheets and images to be updated to the hostname defined here. In your CDN configuration the origin server should be set to public URL.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.concurrency
How many processes should be spawned. For a rough estimate, divide your server's available memory by 512.

Type: signed integer

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.databaseUrl
URI to use for the main PostgreSQL database. If this needs to include credentials that shouldn't be world−readable in the Nix store, set an environment file on the systemd service and override the 'DATABASE_URL' entry. Pass the string 'local' to setup a database on the local server.

Type: string

Default:

```
"local"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.debugOutput
Set this to ‘http’ log HTTP requests.

Type: null or value “http” (singular enum)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.defaultLanguage
The default interface language. See **translate.getoutline.com** for a list of available language codes and their rough percentage translated.

Type: one of “da_DK”, “de_DE”, “en_US”, “es_ES”, “fa_IR”, “fr_FR”, “it_IT”, “ja_JP”, “ko_KR”, “nl_NL”, “pl_PL”, “pt_BR”, “pt_PT”, “ru_RU”, “sv_SE”, “th_TH”, “vi_VN”, “zh_CN”, “zh_TW”

Default:

```
"en_US"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.discordAuthentication
To configure Discord auth, you’ll need to create an application at **https://discord.com/developers/applications/**

See **https://docs.getoutline.com/s/hosting/doc/discord−g4JdWFFub6** for details on setting up your Discord app.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.discordAuthentication.clientId
Authentication client identifier.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.discordAuthentication.clientSecretFile
File path containing the authentication secret.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.discordAuthentication.serverId
Restrict logins to a specific server (optional, but recommended). You can find a Discord server’s ID by right−clicking the server icon, and select “Copy Server ID”.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.discordAuthentication.serverRoles
Optionally restrict logins to a comma−separated list of role IDs

Type: strings concatenated with ","

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.forceHttps
Auto−redirect to HTTPS in production. The default is 'true' but you may set this to 'false' if you can be sure that SSL is terminated at an external loadbalancer.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.googleAnalyticsId
Optionally enable Google Analytics to track page views in the knowledge base.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.googleAuthentication
To configure Google auth, you'll need to create an OAuth Client ID at **https://console.cloud.google.com/apis/credentials**

When configuring the Client ID, add an Authorized redirect URI to 'https://[publicUrl]/auth/google.callback'.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.googleAuthentication.clientId
Authentication client identifier.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.googleAuthentication.clientSecretFile
File path containing the authentication secret.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.group
Group under which the service should run. If this is the default value, the group will be created.

Type: string

Default:

```
"outline"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.logo
Custom logo displayed on the authentication screen. This will be scaled to a height of 60px.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.maximumImportSize
The maximum size of document imports. Overriding this could be required if you have especially large Word documents with embedded imagery.

Type: signed integer

Default:

```
5120000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.oidcAuthentication
To configure generic OIDC auth, you'll need some kind of identity provider. See the documentation for whichever IdP you use to fill out all the fields. The redirect URL is 'https://[publicUrl]/auth/oidc.callback'.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.oidcAuthentication.authUrl
OIDC authentication URL endpoint.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.oidcAuthentication.clientId
Authentication client identifier.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.oidcAuthentication.clientSecretFile
File path containing the authentication secret.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.oidcAuthentication.displayName
Display name for OIDC authentication.

Type: string

Default:

```
"OpenID"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.oidcAuthentication.scopes
OpenID authentication scopes.

Type: list of string

Default:

```
[
  "openid"
  "profile"
  "email"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.oidcAuthentication.tokenUrl
OIDC token URL endpoint.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.oidcAuthentication.userinfoUrl
OIDC userinfo URL endpoint.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.oidcAuthentication.usernameClaim
Specify which claims to derive user information from. Supports any valid JSON path with the JWT payload

Type: string

Default:

```
"preferred_username"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.port
Listening port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.publicUrl
The fully qualified, publicly accessible URL

Type: string

Default:

```
"http://localhost:3000"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.rateLimiter.enable
Whether to enable rate limiter for the application web server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.rateLimiter.durationWindow
Length of a throttling window.

Type: signed integer

Default:

```
60
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.rateLimiter.requests
Maximum number of requests in a throttling window.

Type: signed integer

Default:

```
5000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.redisUrl

Connection to a redis server. If this needs to include credentials that shouldn't be world−readable in the Nix store, set an environment file on the systemd service and override the 'REDIS_URL' entry. Pass the string 'local' to setup a local Redis database.

Type: string

Default:

```
"local"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.secretKeyFile

File path that contains the application secret key. It must be 32 bytes long and hex−encoded. If the file does not exist, a new key will be generated and saved here.

Type: string

Default:

```
"/var/lib/outline/secret_key"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.sentryDsn

Optionally enable **Sentry** to track errors and performance.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.sentryTunnel

Optionally add a **Sentry proxy tunnel** for bypassing ad blockers in the UI.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.slackAuthentication

To configure Slack auth, you'll need to create an Application at **https://api.slack.com/apps**

When configuring the Client ID, add a redirect URL under "OAuth & Permissions" to 'https://[publicUrl]/auth/slack.callback'.

Type: null or (submodule)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.slackAuthentication.clientId
Authentication key.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.slackAuthentication.secretFile
File path containing the authentication secret.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.slackIntegration
For a complete Slack integration with search and posting to channels this configuration is also needed. See here for details: **https://wiki.generaloutline.com/share/be25efd1−b3ef−4450−b8e5−c4a4fc11e02a**

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.slackIntegration.appId
Application ID.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.slackIntegration.messageActions
Whether to enable message actions.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.slackIntegration.verificationTokenFile
File path containing the verification token.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.smtp
To support sending outgoing transactional emails such as “document updated” or “you’ve been invited” you’ll need to provide authentication for an SMTP server.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.smtp.fromEmail
Sender email in outgoing mail.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.smtp.host
Host name or IP address of the SMTP server.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.smtp.passwordFile
File path containing the password to authenticate with.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.smtp.port
TCP port of the SMTP server.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.smtp.replyEmail
Reply address in outgoing mail.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.smtp.secure
Use a secure SMTP connection.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.smtp.tlsCiphers
Override SMTP cipher configuration.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.smtp.username

Username to authenticate with.

Type: string

Declared by:

<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.sslCertFile

File path that contains the Base64−encoded certificate for HTTPS termination. This is only required if you do not use an external reverse proxy. See **the documentation**.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.sslKeyFile

File path that contains the Base64−encoded private key for HTTPS termination. This is only required if you do not use an external reverse proxy. See **the documentation**.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.storage

To support uploading of images for avatars and document attachments an s3−compatible storage can be provided. AWS S3 is recommended for redundancy however if you want to keep all file storage local an alternative such as **garage** can be used. Local filesystem storage can also be used.

A more detailed guide on setting up storage is available **here**.

Type: submodule

Example:

```
{
  accessKey = "...";
  secretKeyFile = "/somewhere";
  uploadBucketUrl = "https://garage.example.com";
  uploadBucketName = "outline";
  region = "us−east−1";
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.storage.accelerateUrl

URL for AWS S3 **transfer acceleration**.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.storage.accessKey
S3 access key.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.storage.acl
ACL setting.

Type: string

Default:

```
"private"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.storage.forcePathStyle
Force S3 path style.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.storage.localRootDir
If ‘storageType’ is ‘local’, this sets the parent directory under which all attachments/images go.

Type: string

Default:

```
"/var/lib/outline/data"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.storage.region
AWS S3 region name.

Type: string

Default:

```
"xx−xxxx−x"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.storage.secretKeyFile
File path that contains the S3 secret key.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.storage.storageType
File storage type, it can be local or s3.

Type: one of “local”, “s3”

Default:

```
"s3"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.storage.uploadBucketName
Name of the bucket where uploads should be stored.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.storage.uploadBucketUrl
URL endpoint of an S3−compatible API where uploads should be stored.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.storage.uploadMaxSize
Maxmium file size for uploads.

Type: signed integer

Default:

```
26214400
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.user
User under which the service should run. If this is the default value, the user will be created, with the specified group as the primary group.

Type: string

Default:

```
"outline"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.outline.utilsSecretFile
File path that contains the utility secret key. If the file does not exist, a new key will be generated and saved here.

Type: string

Default:

```
"/var/lib/outline/utils_secret"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/outline.nix>

services.overseerr.enable

Whether to enable Overseerr, a request management and media discovery tool for the Plex ecosystem.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/overseerr.nix>

services.overseerr.package

The overseerr package to use.

Type: package

Default:

```
pkgs.overseerr
```

Declared by:

<nixpkgs/nixos/modules/services/misc/overseerr.nix>

services.overseerr.openFirewall

Open a port in the firewall for the Overseerr web interface.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/overseerr.nix>

services.overseerr.port

The port which the Overseerr web UI should listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5055
```

Declared by:

<nixpkgs/nixos/modules/services/misc/overseerr.nix>

services.owamp.enable

Whether to enable OWAMP server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/owamp.nix>

services.owncast.enable

Whether to enable owncast, a video live streaming solution.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/owncast.nix>

services.owncast.dataDir

The directory where owncast stores its data files. If left as the default value this directory will automatically be created before the owncast server starts, otherwise the sysadmin is responsible for ensuring the directory exists with appropriate ownership and permissions.

Type: string

Default:

```
"/var/lib/owncast"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/owncast.nix>

services.owncast.group

Group under which owncast runs.

Type: string

Default:

```
"owncast"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/owncast.nix>

services.owncast.listen

The IP address to bind the owncast web server to.

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/owncast.nix>

services.owncast.openFirewall

Open the appropriate ports in the firewall for owncast.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/owncast.nix>

services.owncast.port
TCP port where owncast web−gui listens.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/misc/owncast.nix>

services.owncast.rtmp−port
TCP port where owncast rtmp service listens.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
1935
```

Declared by:
<nixpkgs/nixos/modules/services/misc/owncast.nix>

services.owncast.user
User account under which owncast runs.

Type: string

Default:

```
"owncast"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/owncast.nix>

services.oxidized.enable
Whether to enable the oxidized configuration backup service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/admin/oxidized.nix>

services.oxidized.package
The oxidized package to use.

Type: package

Default:

```
pkgs.oxidized
```

Declared by:
<nixpkgs/nixos/modules/services/admin/oxidized.nix>

services.oxidized.configFile

Path to the oxidized configuration file.

Type: null or absolute path

Default:

```
null
```

Example:

```
pkgs.writeText "oxidized-config.yml" ''
  ---
  debug: true
  use_syslog: true
  input:
    default: ssh
    ssh:
      secure: true
  interval: 3600
  model_map:
    dell: powerconnect
    hp: procurve
  source:
    default: csv
    csv:
      delimiter: !ruby/regexp /:/
      file: "/var/lib/oxidized/.config/oxidized/router.db"
      map:
        name: 0
        model: 1
        username: 2
        password: 3
  pid: "/var/lib/oxidized/.config/oxidized/pid"
  rest: 127.0.0.1:8888
  retries: 3
  # ... additional config
```

Declared by:

<nixpkgs/nixos/modules/services/admin/oxidized.nix>

services.oxidized.dataDir

State directory for the oxidized service.

Type: absolute path

Default:

```
"/var/lib/oxidized"
```

Declared by:

<nixpkgs/nixos/modules/services/admin/oxidized.nix>

services.oxidized.group

Group under which the oxidized service runs.

Type: string

Default:

```
"oxidized"
```

Declared by:
<nixpkgs/nixos/modules/services/admin/oxidized.nix>

services.oxidized.routerDB
Path to the file/database which contains the targets for oxidized.

Type: null or absolute path

Default:

```
null
```

Example:

```
pkgs.writeText "oxidized-router.db" ''
  hostname-sw1:powerconnect:username1:password2
  hostname-sw2:procurve:username2:password2
  # ... additional hosts
```

Declared by:
<nixpkgs/nixos/modules/services/admin/oxidized.nix>

services.oxidized.user
User under which the oxidized service runs.

Type: string

Default:

```
"oxidized"
```

Declared by:
<nixpkgs/nixos/modules/services/admin/oxidized.nix>

services.pacemaker.enable
Whether to enable pacemaker.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/pacemaker/default.nix>

services.pacemaker.package
The pacemaker package to use.

Type: package

Default:

```
pkgs.pacemaker
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/pacemaker/default.nix>

services.pairdrop.enable
Whether to enable pairdrop.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pairdrop.nix>

services.pairdrop.package
The pairdrop package to use.

Type: package

Default:

```
pkgs.pairdrop
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pairdrop.nix>

services.pairdrop.environment
Additional configuration (environment variables) for PairDrop, see **https://github.com/schlagmichdoch/PairDrop/blob/master/docs/host−your−own.md#environment−variables** for supported values.

Type: open submodule of attribute set of (boolean or signed integer or string)

Default:

```
{ }
```

Example:

```
{
  BLUESKY_BUTTON_ACTIVE = false;
  CUSTOM_BUTTON_ACTIVE = false;
  DEBUG_MODE = true;
  DONATION_BUTTON_ACTIVE = false;
  IPV6_LOCALIZE = 4;
  MASTODON_BUTTON_ACTIVE = false;
  PRIVACYPOLICY_BUTTON_ACTIVE = false;
  RATE_LIMIT = 1;
  RTC_CONFIG = "/etc/pairdrop/rtc−config.json";
  SIGNALING_SERVER = "pairdrop.net";
  TWITTER_BUTTON_ACTIVE = false;
  WS_FALLBACK = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pairdrop.nix>

services.pairdrop.port
The port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Example:

```
3010
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pairdrop.nix>

services.pairdrop.rtcConfig

Configuration for STUN/TURN servers. This is converted to JSON and written into a file automatically. If you want to provide a file path instead, set 'RTC_CONFIG' in **services.pairdrop.environment**.

Type: JSON value

Default:

```
null
```

Example:

```
{
  iceServers = [
    {
      urls = "stun:stun.example.com:19302";
    }
  ];
  sdpSemantics = "unified-plan";
}
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/pairdrop.nix>

services.paisa.enable

Whether to enable Paisa personal finance manager.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/paisa.nix>

services.paisa.package

The paisa package to use.

Type: package

Default:

```
pkgs.paisa
```

Declared by:

<nixpkgs/nixos/modules/services/misc/paisa.nix>

services.paisa.host

Host bind IP address.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/paisa.nix>

services.paisa.mutableSettings

Allow changes made on the web interface to persist between service restarts.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/paisa.nix>

services.paisa.openFirewall

Open ports in the firewall for the Paisa web server.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/paisa.nix>

services.paisa.port

Port to serve Paisa on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
7500
```

Declared by:

<nixpkgs/nixos/modules/services/misc/paisa.nix>

services.paisa.settings

Paisa configuration. Please refer to **https://paisa.fyi/reference/config/** for details.

On start and if ‘mutableSettings’ is ‘true’, these options are merged into the configuration file on start, taking precedence over configuration changes made on the web interface.

Type: null or (open submodule of (YAML 1.1 value))

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/misc/paisa.nix>

services.paisa.settings.dataDir

Path to paisa data directory.

Type: string

Default:

```
"/var/lib/paisa/"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/paisa.nix>

services.paisa.settings.dbFile

Filename of the Paisa database.

Type: string

Default:

```
"paisa.sqlite3"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/paisa.nix>

services.paisa.settings.journalFile
Filename of the main journal / ledger file.

Type: string

Default:

```
"main.ledger"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/paisa.nix>

services.pangolin.enable
Whether to enable Pangolin reverse proxy server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pangolin.nix>

services.pangolin.package
The fosrl−pangolin package to use.

Type: package

Default:

```
pkgs.fosrl-pangolin
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pangolin.nix>

services.pangolin.baseDomain
Your base fully qualified domain name (without any subdomains).

Type: null or string

Default:

```
null
```

Example:

```
"example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pangolin.nix>

services.pangolin.dashboardDomain
The domain where the application will be hosted. This is used for many things, including generating links. You can run Pangolin on a subdomain or root domain. Do not prefix with ‘http’ or ‘https’.

Type: string

Default:

```
"pangolin.\${config.services.pangolin.baseDomain}"
```

Example:

```
"auth.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pangolin.nix>

services.pangolin.dataDir
Path to variable state data directory for Pangolin.

Type: string

Default:

```
"/var/lib/pangolin"
```

Example:

```
"/srv/pangolin"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pangolin.nix>

services.pangolin.dnsProvider
The DNS provider Traefik will request wildcard certificates from. See the **Traefik Documentation** for more information.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pangolin.nix>

services.pangolin.environmentFile
Path to a file containing sensitive environment variables for Pangolin. See the **Pangolin Documentation** for more information. These will overwrite anything defined in the config. The file should contain environment−variable assignments like:

```
SERVER_SECRET=1234567890abc
```

Type: null or absolute path

Default:

```
null
```

Example:

```
"/etc/nixos/secrets/pangolin.env"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pangolin.nix>

services.pangolin.letsEncryptEmail
An email address for SSL certificate registration with Let’s Encrypt. This should be an email you have access to.

Type: null or string

Default:

```
config.security.acme.defaults.email
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pangolin.nix>

services.pangolin.openFirewall
Whether to enable opening TCP ports 80 and 443, and UDP port 51820 in the firewall for the Pangolin service(s).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pangolin.nix>

services.pangolin.settings
Additional attributes to be merged with the configuration options and written to Pangolin's *config.yml* file.

Type: YAML 1.1 value

Default:

```
{ }
```

Example:

```
{
  app = {
    save_logs = true;
  };
  domains = {
    domain1 = {
      prefer_wildcard_cert = true;
    };
  };
  server = {
    external_port = 3007;
    internal_port = 3008;
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pangolin.nix>

services.pantalaimon−headless.instances
Declarative instance config.

Note: to use pantalaimon interactively, e.g. for a Matrix client which does not support End−to−end encryption (like 'fractal'), refer to the home−manager module.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/pantalaimon.nix>

services.pantalaimon-headless.instances.<name>.dataPath
The directory where ‘pantalaimon’ should store its state such as the database file.

Type: absolute path

Default:

```
"/var/lib/pantalaimon-‹name›"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/pantalaimon.nix>

services.pantalaimon-headless.instances.<name>.extraSettings
Extra configuration options. See **pantalaimon(5)** for available options.

Type: attribute set

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/pantalaimon.nix>

services.pantalaimon-headless.instances.<name>.homeserver
The URI of the homeserver that the ‘pantalaimon’ proxy should forward requests to, without the matrix API path but including the http(s) schema.

Type: string

Example:

```
"https://matrix.org"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/pantalaimon.nix>

services.pantalaimon-headless.instances.<name>.listenAddress
The address where the daemon will listen to client connections for this homeserver.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/pantalaimon.nix>

services.pantalaimon-headless.instances.<name>.listenPort
The port where the daemon will listen to client connections for this homeserver. Note that the listen address/port combination needs to be lib.unique between different homeservers.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8009
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/pantalaimon.nix>

services.pantalaimon−headless.instances.<name>.logLevel
Set the log level of the daemon.

Type: one of “info”, “warning”, “error”, “debug”

Default:

```
"warning"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/pantalaimon.nix>

services.pantalaimon−headless.instances.<name>.ssl
Whether or not SSL verification should be enabled for outgoing connections to the homeserver.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/pantalaimon.nix>

services.pantheon.apps.enable
Whether to enable Pantheon default applications.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktop−managers/pantheon.nix>

services.pantheon.contractor.enable
Whether to enable contractor, a desktop−wide extension service used by Pantheon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktop−managers/pantheon.nix>

services.pantheon.parental−controls.enable
Whether to enable Pantheon parental controls daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktop−managers/pantheon.nix>

services.paperless.enable
Whether to enable Paperless−ngx.

When started, the Paperless database is automatically created if it doesn't exist and updated if the Paperless package has changed. Both tasks are achieved by running a Django migration.

A script to manage the Paperless−ngx instance (by wrapping Django's manage.py) is available as 'paperless−manage'.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/paperless.nix>

services.paperless.package
The paperless−ngx package to use.

Type: package

Default:

```
pkgs.paperless-ngx
```

Declared by:
<nixpkgs/nixos/modules/services/misc/paperless.nix>

services.paperless.address
Web interface address.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/paperless.nix>

services.paperless.configureNginx
Whether to configure nginx as a reverse proxy.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/paperless.nix>

services.paperless.configureTika
Whether to configure Tika and Gotenberg to process Office and e−mail files with OCR.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/paperless.nix>

services.paperless.consumptionDir
Directory from which new documents are imported.

Type: string

Default:

```
"${dataDir}/consume"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/paperless.nix>

services.paperless.consumptionDirIsPublic
Whether all users can write to the consumption dir.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/paperless.nix>

services.paperless.dataDir
Directory to store the Paperless data.

Type: string

Default:

```
"/var/lib/paperless"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/paperless.nix>

services.paperless.database.createLocally
Configure local PostgreSQL database server for Paperless.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/paperless.nix>

services.paperless.domain
Domain under which paperless will be available.

Type: null or string

Default:

```
null
```

Example:

```
"paperless.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/paperless.nix>

services.paperless.environmentFile

Path to a file containing extra paperless config options in the systemd ‘EnvironmentFile’ format. Refer to the **documentation** for config options.

This can be used to pass secrets to paperless without putting them in the Nix store.

To set a database password, point ‘environmentFile’ at a file containing:

```
PAPERLESS_DBPASS=<pass>
```

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/paperless"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/paperless.nix>

services.paperless.exporter.enable

Whether to enable regular automatic document exports.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/paperless.nix>

services.paperless.exporter.directory

Directory to store export.

Type: string

Default:

```
${config.services.paperless.dataDir}/export
```

Declared by:

<nixpkgs/nixos/modules/services/misc/paperless.nix>

services.paperless.exporter.onCalendar

When to run the exporter. See **systemd.time**(7).

‘null’ disables the timer; allowing you to run the ‘paperless−exporter’ service through other means.

Type: null or string

Default:

```
"01:30:00"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/paperless.nix>

services.paperless.exporter.settings

Settings to pass to the document exporter as CLI arguments.

Type: attribute set of anything

Default:

```
{
  compare-checksums = true;
  delete = true;
  no-color = true;
  no-progress-bar = true;
}
```

Declared by:

<nixpkgs/nixos/modules/services/misc/paperless.nix>

services.paperless.manage

The package derivation for the ‘paperless-manage’ wrapper script. Useful for other modules that need to add this specific script to a service’s PATH.

Type: package *(read only)*

Declared by:

<nixpkgs/nixos/modules/services/misc/paperless.nix>

services.paperless.mediaDir

Directory to store the Paperless documents.

Type: string

Default:

```
"${dataDir}/media"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/paperless.nix>

services.paperless.openMPThreadingWorkaround

Whether to enable a workaround for document classifier timeouts.

Paperless uses OpenBLAS via scikit-learn for document classification.

The default is to use threading for OpenMP but this would cause the document classifier to spin on one core seemingly indefinitely if there are large amounts of classes per classification; causing it to effectively never complete due to running into timeouts.

This sets ‘OMP_NUM_THREADS’ to ‘1’ in order to mitigate the issue. See https://github.com/NixOS/nixpkgs/issues/240591 for more information .

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/paperless.nix>

services.paperless.passwordFile

A file containing the superuser password.

A superuser is required to access the web interface. If unset, you can create a superuser manually by running ‘paperless−manage createsuperuser’.

The default superuser name is ‘admin’. To change it, set option **settings.PAPERLESS_ADMIN_USER**. WARNING: When changing the superuser name after the initial setup, the old superuser will continue to exist.

To disable login for the web interface, set the following: ‘settings.PAPERLESS_AUTO_LOGIN_USERNAME = "admin";’. WARNING: Only use this on a trusted system without internet access to Paperless.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/paperless−password"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/paperless.nix>

services.paperless.port

Web interface port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
28981
```

Declared by:

<nixpkgs/nixos/modules/services/misc/paperless.nix>

services.paperless.settings

Extra paperless config options.

See **the documentation** for available options.

Note that some settings such as ‘PAPERLESS_CONSUMER_IGNORE_PATTERN’ expect JSON values. Settings declared as lists or attrsets will automatically be serialised into JSON strings for your convenience.

Type: open submodule of attribute set of (boolean or floating point number or signed integer or string or absolute path or package or list of (boolean or floating point number or signed integer or string or absolute path or package) or attribute set of (boolean or floating point number or signed integer or string or absolute path or package))

Default:

```
{ }
```

Example:

```
{
  PAPERLESS_CONSUMER_IGNORE_PATTERN = [
    ".DS_STORE/*"
    "desktop.ini"
  ];
  PAPERLESS_OCR_LANGUAGE = "deu+eng";
  PAPERLESS_OCR_USER_ARGS = {
    optimize = 1;
```

```
    pdfa_image_compression = "lossless";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/paperless.nix>

services.paperless.user
User under which Paperless runs.

Type: string

Default:

```
"paperless"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/paperless.nix>

services.papra.enable
Whether to enable Papra.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/papra.nix>

services.papra.package
The papra package to use.

Type: package

Default:

```
pkgs.papra
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/papra.nix>

services.papra.environment
Environment variables to set for the service.

Type: attribute set of (string or signed integer or floating point number or boolean or absolute path or package)

Default:

```
{
  DATABASE_URL = "file:/var/lib/papra/db.sqlite";
  DOCUMENT_STORAGE_FILESYSTEM_ROOT = "/var/lib/papra/local-documen \
ts";
  PORT = 1221;
  SERVER_SERVE_PUBLIC_DIR = true;
}
```

Example:

```
{
  PORT = 1221;
```

```
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/papra.nix>

services.papra.environmentFile
Environment file, usefult to provide secrets to the service

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/papra.nix>

services.papra.group
If the default user “papra” is configured then this is the primary group of that user.

Type: string

Default:

```
"papra"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/papra.nix>

services.papra.user
User under which Papra runs.

Type: string

Default:

```
"papra"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/papra.nix>

services.paretosecurity.enable
Whether to enable **ParetoSecurity**

agent and its root helper.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/paretosecurity.nix>

services.paretosecurity.package
The paretosecurity package to use.

Type: package

Default:

```
pkgs.paretosecurity
```

Declared by:
<nixpkgs/nixos/modules/services/security/paretosecurity.nix>

services.paretosecurity.trayIcon
Set to false to disable the tray icon and run as a CLI tool only.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/paretosecurity.nix>

services.paretosecurity.users
Per−user Pareto Security configuration.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/security/paretosecurity.nix>

services.paretosecurity.users.<name>.inviteId
A unique ID that links the agent to Pareto Cloud. Get it from the Join Team page on ‘https://cloud.paretosecurity.com/team/join/xxxxxxxx−xxxx−xxxx−xxxx−xxxxxxxxxxxx’. In Step 2, under Linux tab, enter your email then copy it from the generated command.

Type: string

Example:

```
"xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx"
```

Declared by:
<nixpkgs/nixos/modules/services/security/paretosecurity.nix>

services.parsedmarc.enable
Whether to enable parsedmarc, a DMARC report monitoring service .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/parsedmarc.nix>

services.parsedmarc.provision.elasticsearch
Whether to set up and use a local instance of Elasticsearch.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/parsedmarc.nix>

services.parsedmarc.provision.geoIp
Whether to enable and configure the **geoipupdate** service to automatically fetch GeoIP databases. Not crucial, but recommended for full functionality.

To finish the setup, you need to manually set the **services.geoipupdate.settings.AccountID** and **services.geoipupdate.settings.LicenseKey** options.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/parsedmarc.nix>

services.parsedmarc.provision.grafana.dashboard
Whether the official parsedmarc grafana dashboard should be provisioned to the local grafana instance.

Type: boolean

Default:

```
config.services.grafana.enable
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/parsedmarc.nix>

services.parsedmarc.provision.grafana.datasource
Whether the automatically provisioned Elasticsearch instance should be added as a grafana datasource. Has no effect unless **services.parsedmarc.provision.elasticsearch** is also enabled.

Type: boolean

Default:

```
config.services.parsedmarc.provision.elasticsearch && config.servic \
es.grafana.enable
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/parsedmarc.nix>

services.parsedmarc.provision.localMail.enable
Whether Postfix and Dovecot should be set up to receive mail locally. parsedmarc will be configured to watch the local inbox as the automatically created user specified in **services.parsedmarc.provision.localMail.recipientName**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/parsedmarc.nix>

services.parsedmarc.provision.localMail.hostname
The hostname to use when configuring Postfix.

Should correspond to the host's fully qualified domain name and the domain part of the email address which receives DMARC reports. You also have to set up an MX record pointing to this domain name.

Type: string

Default:

```
config.networking.fqdn
```

Example:

```
"monitoring.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/parsedmarc.nix>

services.parsedmarc.provision.localMail.recipientName

The DMARC mail recipient name, i.e. the name part of the email address which receives DMARC reports.

A local user with this name will be set up and assigned a randomized password on service start.

Type: string

Default:

```
"dmarc"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/parsedmarc.nix>

services.parsedmarc.settings

Configuration parameters to set in *parsedmarc.ini*. For a full list of available parameters, see **https://domainaware.github.io/parsedmarc/#configuration−file**.

Settings containing secret data should be set to an attribute set containing the attribute '_secret' − a string pointing to a file containing the value the option should be set to. See the example to get a better picture of this: in the resulting *parsedmarc.ini* file, the 'splunk_hec.token' key will be set to the contents of the */run/keys/splunk_token* file.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Example:

```
{
  imap = {
    host = "imap.example.com";
    user = "alice@example.com";
    password = { _secret = "/run/keys/imap_password" };
  };
  mailbox = {
    watch = true;
    batch_size = 30;
  };
  splunk_hec = {
    url = "https://splunkhec.example.com";
    token = { _secret = "/run/keys/splunk_token" };
    index = "email";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/parsedmarc.nix>

services.parsedmarc.settings.elasticsearch.cert_path
The path to a TLS certificate bundle used to verify the server's certificate.

Type: absolute path

Default:

```
config.security.pki.caBundle
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/parsedmarc.nix>

services.parsedmarc.settings.elasticsearch.hosts
A list of Elasticsearch hosts to push parsed reports to.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/parsedmarc.nix>

services.parsedmarc.settings.elasticsearch.password
The password to use when connecting to Elasticsearch, if required.

Always handled as a secret whether the value is wrapped in a '{ _secret = ...; }' attrset or not (refer to **services.parsedmarc.settings** for details).

Type: null or absolute path or attribute set of absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/parsedmarc.nix>

services.parsedmarc.settings.elasticsearch.ssl
Whether to use an encrypted SSL/TLS connection.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/parsedmarc.nix>

services.parsedmarc.settings.elasticsearch.user
Username to use when connecting to Elasticsearch, if required.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/parsedmarc.nix>

services.parsedmarc.settings.general.save_aggregate
Save aggregate report data to Elasticsearch and/or Splunk.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/parsedmarc.nix>

services.parsedmarc.settings.general.save_forensic
Save forensic report data to Elasticsearch and/or Splunk.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/parsedmarc.nix>

services.parsedmarc.settings.imap.host
The IMAP server hostname or IP address.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/parsedmarc.nix>

services.parsedmarc.settings.imap.password
The IMAP server password.

Always handled as a secret whether the value is wrapped in a '{ _secret = ...; }' attrset or not (refer to **services.parsedmarc.settings** for details).

Type: null or absolute path or attribute set of absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/parsedmarc.nix>

services.parsedmarc.settings.imap.port
The IMAP server port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
993
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/parsedmarc.nix>

services.parsedmarc.settings.imap.ssl
Use an encrypted SSL/TLS connection.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/parsedmarc.nix>

services.parsedmarc.settings.imap.user

The IMAP server username.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/parsedmarc.nix>

services.parsedmarc.settings.mailbox.delete

Delete messages after processing them, instead of archiving them.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/parsedmarc.nix>

services.parsedmarc.settings.mailbox.watch

Use the IMAP IDLE command to process messages as they arrive.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/parsedmarc.nix>

services.parsedmarc.settings.smtp.from

The ‘From’ address to use for the outgoing mail.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/parsedmarc.nix>

services.parsedmarc.settings.smtp.host

The SMTP server hostname or IP address.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/parsedmarc.nix>

services.parsedmarc.settings.smtp.password

The SMTP server password.

Always handled as a secret whether the value is wrapped in a ‘{ _secret = ...; }’ attrset or not (refer to **services.parsedmarc.settings** for details).

Type: null or absolute path or attribute set of absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/parsedmarc.nix>

services.parsedmarc.settings.smtp.port
The SMTP server port.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/parsedmarc.nix>

services.parsedmarc.settings.smtp.ssl
Use an encrypted SSL/TLS connection.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/parsedmarc.nix>

services.parsedmarc.settings.smtp.to
The addresses to send outgoing mail to.

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/parsedmarc.nix>

services.parsedmarc.settings.smtp.user
The SMTP server username.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/parsedmarc.nix>

services.part−db.enable
Whether to enable PartDB.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/part−db.nix>

services.part−db.enableNginx

Whether to enable nginx or not. If enabled, an nginx virtual host will be created for access to part−db. If not enabled, then you may use '${config.services.part−db.package}/public' as your document root in whichever webserver you wish to setup.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/part−db.nix>

services.part−db.enablePostgresql

Whether to configure the postgresql database for part−db. If enabled, a database and user will be created for part−db.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/part−db.nix>

services.part−db.package

The part−db package to use.

Type: package

Default:

```
pkgs.part−db
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/part−db.nix>

services.part−db.phpPackage

The php package to use.

Type: package

Default:

```
pkgs.php
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/part−db.nix>

services.part−db.poolConfig

Options for the PartDB PHP pool. See the documentation on <literal>php−fpm.conf</literal> for details on configuration directives.

Type: attribute set of (string or signed integer or boolean)

Default:

```
{
  "pm" = "dynamic";
  "pm.max_children" = 32;
  "pm.start_servers" = 2;
  "pm.min_spare_servers" = 2;
  "pm.max_spare_servers" = 4;
  "pm.max_requests" = 500;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/part−db.nix>

services.part−db.settings
Options for part−db configuration. Refer to **https://github.com/Part−DB/Part−DB−server/blob/master/.env** for details on supported values. All <option>_FILE values supported by upstream are supported here.

Type: open submodule of attribute set of (string or signed integer or boolean)

Default:

```
{ }
```

Example:

```
{
  DATABASE_URL = "postgresql://db_user@localhost/db_name?serverVers \
ion=16.6&charset=utf8&host=/var/run/postgresql";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/part−db.nix>

services.part−db.settings.DATABASE_URL
The postgresql database server to connect to. Defauls to local postgresql unix socket

Type: string

Default:

```
"postgresql://part−db@localhost/part−db?serverVersion=\${config. \
services.postgresql.package.version}&host=/run/postgresql"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/part−db.nix>

services.part−db.virtualHost
The virtualHost at which you wish part−db to be served.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/part−db.nix>

services.passSecretService.enable
Whether to enable pass secret service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/pass−secret−service.nix>

services.passSecretService.package

The pass−secret−service package to use.

Type: package

Default:

```
pkgs.pass-secret-service
```

Example:

```
pass-secret-service.override { python3 = pkgs.python315 }
```

Declared by:

<nixpkgs/nixos/modules/services/security/pass−secret−service.nix>

services.patroni.enable

Whether to enable Patroni.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/patroni/default.nix>

services.patroni.dataDir

Folder where Patroni data will be written, this is where the pgpass password file will be written.

Type: absolute path

Default:

```
"/var/lib/patroni"
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/patroni/default.nix>

services.patroni.environmentFiles

Environment variables made available to Patroni as files content, useful for providing secrets from files.

Type: attribute set of (null or string or absolute path or package)

Default:

```
{ }
```

Example:

```
{
  PATRONI_REPLICATION_PASSWORD = "/secret/file";
  PATRONI_SUPERUSER_PASSWORD = "/secret/file";
}
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/patroni/default.nix>

services.patroni.group

The group for the service. If left as the default value this group will automatically be created, otherwise the sysadmin is responsible for ensuring the group exists.

Type: string

Default:

```
"patroni"
```

Example:

```
"postgres"
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/patroni/default.nix>

services.patroni.name
The name of the host. Must be unique for the cluster.

Type: string

Example:

```
"node1"
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/patroni/default.nix>

services.patroni.namespace
Path within the configuration store where Patroni will keep information about the cluster.

Type: string

Default:

```
"/service"
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/patroni/default.nix>

services.patroni.nodeIp
IP address of this node.

Type: string

Example:

```
"192.168.1.1"
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/patroni/default.nix>

services.patroni.otherNodesIps
IP addresses of the other nodes.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "192.168.1.2"
  "192.168.1.3"
]
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/patroni/default.nix>

services.patroni.postgresqlDataDir

The data directory for PostgreSQL. If left as the default value this directory will automatically be created before the PostgreSQL server starts, otherwise the sysadmin is responsible for ensuring the directory exists with appropriate ownership and permissions.

Type: absolute path

Default:

```
"/var/lib/postgresql/${config.services.patroni.postgresqlPackage.ps \
qlSchema}"
```

Example:

```
"/var/lib/postgresql/14"
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/patroni/default.nix>

services.patroni.postgresqlPackage

PostgreSQL package to use. Plugins can be enabled like this ‘pkgs.postgresql_14.withPackages (p: [p.pg_safeupdate p.postgis])’.

Type: package

Example:

```
pkgs.postgresql_14
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/patroni/default.nix>

services.patroni.postgresqlPort

The port on which PostgreSQL listens.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5432
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/patroni/default.nix>

services.patroni.restApiPort

The port on Patroni’s REST api listens.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8008
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/patroni/default.nix>

services.patroni.scope

Cluster name.

Type: string

Example:

```
"cluster1"
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/patroni/default.nix>

services.patroni.settings

The primary patroni configuration. See the **documentation** for possible values. Secrets should be passed in by using the 'environmentFiles' option.

Type: YAML 1.1 value

Default:

```
{ }
```

Example:

```
{
  bootstrap = {
    initdb = [
      "encoding=UTF-8"
      "data-checksums"
    ];
  };
  postgresql = {
    parameters = {
      unix_socket_directories = "/tmp";
    };
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/patroni/default.nix>

services.patroni.softwareWatchdog

This will configure Patroni to use the software watchdog built into the Linux kernel as described in the **documentation**.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/patroni/default.nix>

services.patroni.user

The user for the service. If left as the default value this user will automatically be created, otherwise the sysadmin is responsible for ensuring the user exists.

Type: string

Default:

```
"patroni"
```

Example:

```
"postgres"
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/patroni/default.nix>

services.pcscd.enable

Whether to enable PCSC−Lite daemon, to access smart cards using SCard API (PC/SC).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/pcscd.nix>

services.pcscd.extendReaderNames

String to append to every reader name. The special variable '$HOSTNAME' will be expanded to the current host name.

Type: null or string

Default:

```
null
```

Example:

```
" $HOSTNAME"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/pcscd.nix>

services.pcscd.extraArgs

Extra command line arguments to be passed to the PCSC daemon.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/pcscd.nix>

services.pcscd.ignoreReaderNames

List of reader name patterns for the PCSC daemon to ignore.

For more precise control, readers can be ignored through udev rules (cf. **services.udev.extraRules**) by setting the 'PCSCLITE_IGNORE' property, for example:

```
ACTION!="remove|unbind", SUBSYSTEM=="usb", ATTR{idVendor}=="20a0",  \
ENV{PCSCLITE_IGNORE}="1"
```

Type: list of string matching the pattern [^:]+

Default:

```
[ ]
```

Example:

```
[
  "Nitrokey"
  "YubiKey"
]
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/pcscd.nix>

services.pcscd.plugins
Plugin packages to be used for PCSC−Lite.

Type: list of package

Default:

```
[ pkgs.ccid ]
```

Example:

```
[ pkgs.pcsc−cyberjack ]
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/pcscd.nix>

services.pcscd.readerConfigs
Configuration for devices that aren't hotpluggable.

See **reader.conf**(5) for valid options.

Type: list of strings concatenated with "\n"

Default:

```
[ ]
```

Example:

```
[
  ''
    FRIENDLYNAME      "Some serial reader"
    DEVICENAME        /dev/ttyS0
    LIBPATH           /path/to/serial_reader.so
    CHANNELID         1
  ''
]
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/pcscd.nix>

services.pdfding.enable
Whether to enable PdfDing service.

To use the pdfding−manage CLI, add your user to the pdfding group: users.users.<youruser>.extraGroups = ["pdfding"];

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pdfding.nix>

services.pdfding.package
The pdfding package to use.

Type: package

Default:

```
pkgs.pdfding
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pdfding.nix>

services.pdfding.allowedHosts
Domains where PdfDing is allowed to run

Type: list of string

Default:

```
[
  "127.0.0.1"
  "localhost"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pdfding.nix>

services.pdfding.backup.enable
Automatic backup of important data to a AWS S3 (or compatible) instance.

When enabled and properly configured via environment variables, important data is periodically uploaded to the specified s3 instance via cronjob.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pdfding.nix>

services.pdfding.backup.endpoint
The s3 endpoint for backups

Type: null or string

Default:

```
null
```

Example:

```
"127.0.0.1:9000"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pdfding.nix>

services.pdfding.backup.schedule
The cron schedule for the consume task to trigger. The format is “minute hour day month day_of_week” Read

- https://github.com/mrmn2/PdfDing/blob/d0f21ec2f9fbee4b1a2f6b7e0e6c7ea7784ab1bc/pdfding/base/task_helpers.py#L5
- https://huey.readthedocs.io/en/latest/api.html#crontab

Type: string

Default:

```
"0 2 * * *"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pdfding.nix>

services.pdfding.consume.enable
Bulk PDF import from consume directory.

When enabled, administrators can create per−user directories like /var/lib/pdfding/consume/<user_id> with permissions allowing the pdfding user to read and write. PDFs placed in these directories are automatically imported into user accounts.

PDFs are imported periodically via cronjob and successfully imported files are automatically deleted from the consume directory.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pdfding.nix>

services.pdfding.consume.schedule
The cron schedule for the consume task to trigger. The format is “minute hour day month day_of_week” Read

- https://github.com/mrmn2/PdfDing/blob/d0f21ec2f9fbee4b1a2f6b7e0e6c7ea7784ab1bc/pdfding/base/task_helpers.py#L5
- https://huey.readthedocs.io/en/latest/api.html#crontab

Type: string

Default:

```
"*/5 * * * *"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pdfding.nix>

services.pdfding.database.createLocally
Whether to create a local PostgreSQL database automatically

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pdfding.nix>

services.pdfding.database.host
PostgreSQL host

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pdfding.nix>

services.pdfding.database.name
PostgreSQL database name

Type: string

Default:

```
"pdfding"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pdfding.nix>

services.pdfding.database.passwordFile
File containing POSTGRES_PASSWORD. Consider using a secret managing scheme such as ‘agenix’ or ‘sops−nix’ to generate this file.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/pdfding−db−password"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pdfding.nix>

services.pdfding.database.port
PostgreSQL port

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5432
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pdfding.nix>

services.pdfding.database.type
Database type to use

Type: one of “sqlite”, “postgres”

Default:

```
"sqlite"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pdfding.nix>

services.pdfding.database.user
PostgreSQL user

Type: string

Default:

```
"pdfding"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pdfding.nix>

services.pdfding.envFiles
Environment variable files

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pdfding.nix>

services.pdfding.extraEnvironment
Additional environment variables

Type: attribute set of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pdfding.nix>

services.pdfding.group
Group under which PdfDing runs

Type: string

Default:

```
"pdfding"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pdfding.nix>

services.pdfding.gunicorn.extraArgs
Command line arguments passed to Gunicorn server.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pdfding.nix>

services.pdfding.hostName
Listen address for PdfDing

Type: string

Default:

```
"0.0.0.0"
```

Example:

```
"pdfding.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pdfding.nix>

services.pdfding.openFirewall
Open ports in the firewall for the PdfDing web interface.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pdfding.nix>

services.pdfding.port
Port on which PdfDing listens

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pdfding.nix>

services.pdfding.secretKeyFile
File containing the Django SECRET_KEY. Consider using a secret managing scheme such as ‘agenix’ or ‘sops−nix’ to generate this file.

Type: absolute path

Default:

```
null
```

Example:

```
"/run/secrets/pdfding−secret−key"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pdfding.nix>

services.pdfding.user
User account under which PdfDing runs

Type: string

Default:

```
"pdfding"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pdfding.nix>

services.pdns−recursor.enable
Whether to enable PowerDNS Recursor, a recursive DNS server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pdns−recursor.nix>

services.pdns−recursor.api.address

IP address Recursor REST API server will bind to.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/pdns−recursor.nix>

services.pdns−recursor.api.allowFrom

IP address ranges of clients allowed to make API requests.

Type: list of string

Default:

```
[
  "127.0.0.1"
  "::1"
]
```

Example:

```
[
  "0.0.0.0/0"
  "::/0"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/pdns−recursor.nix>

services.pdns−recursor.api.port

Port number Recursor REST API server will bind to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8082
```

Declared by:

<nixpkgs/nixos/modules/services/networking/pdns−recursor.nix>

services.pdns−recursor.dns.address

IP addresses Recursor DNS server will bind to.

Type: string or list of string

Default:

```
[
  "::"
  "0.0.0.0"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/pdns−recursor.nix>

services.pdns−recursor.dns.allowFrom

IP address ranges of clients allowed to make DNS queries.

Type: list of string

Default:

```
[
  "127.0.0.0/8"
  "10.0.0.0/8"
  "100.64.0.0/10"
  "169.254.0.0/16"
  "192.168.0.0/16"
  "172.16.0.0/12"
  "::1/128"
  "fc00::/7"
  "fe80::/10"
]
```

Example:

```
[
  "0.0.0.0/0"
  "::/0"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/pdns−recursor.nix>

services.pdns−recursor.dns.port

Port number Recursor DNS server will bind to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
53
```

Declared by:

<nixpkgs/nixos/modules/services/networking/pdns−recursor.nix>

services.pdns−recursor.dnssecValidation

Controls the level of DNSSEC processing done by the PowerDNS Recursor. See **https://doc.powerdns.com/md/recursor/dnssec/** for a detailed explanation.

Type: one of “off”, “process−no−validate”, “process”, “log−fail”, “validate”

Default:

```
"validate"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/pdns−recursor.nix>

services.pdns−recursor.exportHosts

Whether to export names and IP addresses defined in /etc/hosts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pdns−recursor.nix>

services.pdns−recursor.forwardZones
DNS zones to be forwarded to other authoritative servers.

Type: attribute set

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pdns−recursor.nix>

services.pdns−recursor.forwardZonesRecurse
DNS zones to be forwarded to other recursive servers.

Type: attribute set

Default:

```
{ }
```

Example:

```
{
  eth = "[::1]:5353";
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pdns−recursor.nix>

services.pdns−recursor.luaConfig
The content Lua configuration file for PowerDNS Recursor. See **https://doc.powerdns.com/recursor/lua−config/index.html**.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pdns−recursor.nix>

services.pdns−recursor.resolveNamecoin
Resolve ‘.bit’ top−level domains using ncdns and namecoin.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ncdns.nix>

services.pdns−recursor.serveRFC1918
Whether to directly resolve the RFC1918 reverse−mapping domains: ‘10.in−addr.arpa’, ‘168.192.in−addr.arpa’, ‘16−31.172.in−addr.arpa’ This saves load on the AS112 servers.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pdns-recursor.nix>

services.pdns-recursor.settings
PowerDNS Recursor settings. Use this option to configure Recursor settings not exposed in a NixOS option or to bypass one. See the full documentation at **https://doc.powerdns.com/recursor/yamlsettings.html** for the available options.

Type: YAML 1.1 value

Default:

```
{ }
```

Example:

```
{
  loglevel = 8;
  log-common-errors = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pdns-recursor.nix>

services.pdnsd.enable
Whether to enable pdnsd.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pdnsd.nix>

services.pdnsd.cacheDir
Directory holding the pdnsd cache

Type: string

Default:

```
"/var/cache/pdnsd"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pdnsd.nix>

services.pdnsd.extraConfig
Extra configuration directives that should be added to *pdnsd.conf*.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pdnsd.nix>

services.pdnsd.globalConfig

Global configuration that should be added to the global directory of *pdnsd.conf*.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/networking/pdnsd.nix>

services.pdnsd.serverConfig

Server configuration that should be added to the server directory of *pdnsd.conf*.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/networking/pdnsd.nix>

services.pdudaemon.enable

Whether to enable PDUDaemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/pdudaemon.nix>

services.pdudaemon.package

The pdudaemon package to use.

Type: package

Default:

```
pkgs.pdudaemon
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/pdudaemon.nix>

services.pdudaemon.bindAddress

Bind address for the PDUDaemon.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/pdudaemon.nix>

services.pdudaemon.listener

Which kind of listener to provide.

Type: one of “http”, “tcp”

Default:

```
"http"
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/pdudaemon.nix>

services.pdudaemon.logLevel

PDUDaemon log level.

Type: one of “debug”, “info”, “warning”, “error”

Default:

```
"error"
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/pdudaemon.nix>

services.pdudaemon.openFirewall

Whether to automatically open the PDUDaemon listen port in the firewall.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/pdudaemon.nix>

services.pdudaemon.pdus

Structural pdus section of PDUDaemon’s pdudaemon.conf. Refer to **https://github.com/pdudaemon/pdudaemon/blob/main/share/pdudaemon.conf** for more examples.

Type: attribute set of anything

Default:

```
{ }
```

Example:

```
{
  cbs350-poe-switch = {
    driver = "snmpv1";
    community = "private";
    oid = ".1.3.6.1.2.1.105.1.1.1.3.1.*;
    onsetting = 1;
    offsetting = 2;
  };
  energenie = {
    driver = "EG-PMS";
    device = "aa:bb:cc:xx:yy";
  };
  local = {
    driver = "localcmdline";
  };
};
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/pdudaemon.nix>

services.pdudaemon.port
Port to bind to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
16421
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/pdudaemon.nix>

services.peerflix.enable
Whether to enable peerflix service.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/peerflix.nix>

services.peerflix.downloadDir
Peerflix temporary download directory.

Type: absolute path

Default:

```
"${config.services.peerflix.stateDir}/torrents"
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/peerflix.nix>

services.peerflix.stateDir
Peerflix state directory.

Type: absolute path

Default:

```
"/var/lib/peerflix"
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/peerflix.nix>

services.peering−manager.enable
Enable Peering Manager.

This module requires a reverse proxy that serves ‘/static’ separately. See this **example** on how to configure this.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/peering−manager.nix>

services.peering−manager.enableLdap

Enable LDAP−Authentication for Peering Manager.

This requires a configuration file being pass through ‘ldapConfigPath’.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/peering−manager.nix>

services.peering−manager.enableScheduledTasks

Set up **scheduled tasks**

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/peering−manager.nix>

services.peering−manager.environmentFile

Environment file as defined in **systemd.exec**(5).

Secrets may be passed to the service without adding them to the world−readable Nix store, by specifying placeholder variables as the option value in Nix and setting these variables accordingly in the environment file.

```
  # snippet of peering−manager−related config
  services.peering−manager.settings.SOCIAL_AUTH_OIDC_SECRET = "$PM \
_OIDC_SECRET";

  # content of the environment file
  PM_OIDC_SECRET=topsecret
```

Note that this file needs to be available on the host on which ‘peering−manager’ is running.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/peering−manager.env"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/peering−manager.nix>

services.peering−manager.extraConfig

Additional lines of configuration appended to the ‘configuration.py’. See the **documentation** for more possible options.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/peering−manager.nix>

services.peering−manager.ldapConfigPath
Path to the Configuration−File for LDAP−Authentication, will be loaded as ‘ldap_config.py’. See the **documentation** for possible options.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/web−apps/peering−manager.nix>

services.peering−manager.listenAddress
Address the server will listen on.

Type: string

Default:

```
"[::1]"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/peering−manager.nix>

services.peering−manager.peeringdbApiKeyFile
Path to a file containing the PeeringDB API key.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/peering−manager.nix>

services.peering−manager.plugins
List of plugin packages to install.

Type: function that evaluates to a(n) list of package

Default:

```
python3Packages: with python3Packages; [];
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/peering−manager.nix>

services.peering−manager.port
Port the server will listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8001
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/peering−manager.nix>

services.peering−manager.secretKeyFile
Path to a file containing the secret key.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/web−apps/peering−manager.nix>

services.peering−manager.settings

Configuration options to set in ‘configuration.py’. See the **documentation** for more possible options.

Type: open submodule of attribute set of (Python value)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/peering−manager.nix>

services.peering−manager.settings.ALLOWED_HOSTS

A list of valid fully−qualified domain names (FQDNs) and/or IP addresses that can be used to reach the peering manager service.

Type: list of string

Default:

```
[
  "*"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/peering−manager.nix>

services.peertube.enable

Whether to enable Peertube.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/peertube.nix>

services.peertube.enableWebHttps

Whether clients will access your PeerTube instance with HTTPS. Does NOT configure the PeerTube webserver itself to listen for incoming HTTPS connections.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/peertube.nix>

services.peertube.package

The peertube package to use.

Type: package

Default:

```
pkgs.peertube
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/peertube.nix>

services.peertube.configureNginx

Configure nginx as a reverse proxy for peertube.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/peertube.nix>

services.peertube.dataDirs

Allow access to custom data locations.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[
  "/opt/peertube/storage"
  "/var/cache/peertube"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/peertube.nix>

services.peertube.database.createLocally

Configure local PostgreSQL database server for PeerTube.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/peertube.nix>

services.peertube.database.host

Database host address or unix socket.

Type: string

Default:

```
if config.services.peertube.database.createLocally
then "/run/postgresql"
else null
```

Example:

```
"192.168.15.47"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/peertube.nix>

services.peertube.database.name

Database name.

Type: string

Default:

```
"peertube"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/peertube.nix>

services.peertube.database.passwordFile
Password for PostgreSQL database.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/peertube/password-postgresql"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/peertube.nix>

services.peertube.database.port
Database host port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5432
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/peertube.nix>

services.peertube.database.user
Database user.

Type: string

Default:

```
"peertube"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/peertube.nix>

services.peertube.group
Group under which Peertube runs.

Type: string

Default:

```
"peertube"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/peertube.nix>

services.peertube.listenHttp
The port that the local PeerTube web server will listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9000
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/peertube.nix>

services.peertube.listenWeb

The public−facing port that PeerTube will be accessible at (likely 80 or 443 if running behind a reverse proxy). Clients will try to access PeerTube at this port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9000
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/peertube.nix>

services.peertube.localDomain

The domain serving your PeerTube instance.

Type: string

Example:

```
"peertube.example.com"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/peertube.nix>

services.peertube.redis.enableUnixSocket

Use Unix socket.

Type: boolean

Default:

```
config.services.peertube.redis.createLocally
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/peertube.nix>

services.peertube.redis.createLocally

Configure local Redis server for PeerTube.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/peertube.nix>

services.peertube.redis.host

Redis host.

Type: null or string

Default:

```
if config.services.peertube.redis.createLocally && !config.services \
.peertube.redis.enableUnixSocket
then "127.0.0.1"
else null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/peertube.nix>

services.peertube.redis.passwordFile

Password for redis database.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/peertube/password-redis-db"
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/peertube.nix>

services.peertube.redis.port

Redis port.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
if config.services.peertube.redis.createLocally && config.services. \
peertube.redis.enableUnixSocket
then null
else 6379
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/peertube.nix>

services.peertube.secrets.secretsFile

Secrets to run PeerTube. Generate one using ‘openssl rand -hex 32’

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/peertube"
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/peertube.nix>

services.peertube.serviceEnvironmentFile

Set environment variables for the service. Mainly useful for setting the initial root password. For example write to file: PT_INITIAL_ROOT_PASSWORD=changeme

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/peertube/password-init-root"
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/peertube.nix>

services.peertube.settings

Configuration for peertube.

Type: open submodule of (JSON value)

Example:

```
{
  listen = {
    hostname = "0.0.0.0";
  };
  log = {
    level = "debug";
  };
  storage = {
    tmp = "/opt/data/peertube/storage/tmp/";
    logs = "/opt/data/peertube/storage/logs/";
    cache = "/opt/data/peertube/storage/cache/";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/peertube.nix>

services.peertube.settings.video_transcription.enabled

Enable automatic transcription of videos.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/peertube.nix>

services.peertube.settings.video_transcription.engine_path

Custom engine path for local transcription.

Type: absolute path or string

Default:

```
if config.services.peertube.settings.video_transcription.enabled th \
en
  lib.getExe pkgs.whisper−ctranslate2
else
  "Set ‘services.peertube.settings.video_transcription.enabled = tr \
ue‘."
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/peertube.nix>

services.peertube.smtp.createLocally

Configure local Postfix SMTP server for PeerTube.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/peertube.nix>

services.peertube.smtp.passwordFile
Password for smtp server.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/peertube/password−smtp"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/peertube.nix>

services.peertube.user
User account under which Peertube runs.

Type: string

Default:

```
"peertube"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/peertube.nix>

services.peertube−runner.enable
Whether to enable peertube−runner.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/peertube−runner.nix>

services.peertube−runner.enabledJobTypes
Job types that this runner will execute.

Type: non−empty (list of string)

Default:

```
[
  "vod−web−video−transcoding"
  "vod−hls−transcoding"
  "vod−audio−merge−transcoding"
  "live−rtmp−hls−transcoding"
  "video−studio−transcoding"
  "video−transcription"
]
```

Example:

```
[
  "video−transcription"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/peertube−runner.nix>

services.peertube−runner.package
The runner package to use.

Type: package

Default:

```
pkgs.peertube.runner
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/peertube−runner.nix>

services.peertube−runner.group
Group under which peertube−runner runs.

Type: string

Default:

```
"prunner"
```

Example:

```
"peertube−runner"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/peertube−runner.nix>

services.peertube−runner.instancesToRegister
PeerTube instances to register this runner with.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  personal = {
    registrationTokenFile = "/run/secrets/my−peertube−instance−r \
egistration−token";
    runnerDescription = "Runner for video transcription";
    runnerName = "Transcription";
    url = "https://mypeertubeinstance.com";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/peertube−runner.nix>

services.peertube−runner.instancesToRegister.<name>.registrationTokenFile
Path to a file containing a registration token for the PeerTube instance.

See how to generate registration tokens at **https://docs.joinpeertube.org/admin/remote−runners#manage−remote−runners**.

Type: absolute path

Example:

```
"/run/secrets/my−peertube−instance−registration−token"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/peertube−runner.nix>

services.peertube−runner.instancesToRegister.<name>.runnerDescription
Runner description declared to the PeerTube instance.

Type: null or string

Default:

```
null
```

Example:

```
"Runner for video transcription"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/peertube−runner.nix>

services.peertube−runner.instancesToRegister.<name>.runnerName
Runner name declared to the PeerTube instance.

Type: string

Example:

```
"Transcription"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/peertube−runner.nix>

services.peertube−runner.instancesToRegister.<name>.url
URL of the PeerTube instance.

Type: string

Example:

```
"https://mypeertubeinstance.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/peertube−runner.nix>

services.peertube−runner.settings
Configuration for peertube−runner.

See available configuration options at **https://docs.joinpeertube.org/maintain/tools#configuration**.

Type: TOML value

Default:

```
{ }
```

Example:

```
{
  jobs.concurrency = 4;
  ffmpeg = {
    threads = 0; # Let ffmpeg automatically choose.
    nice = 5;
  };
  transcription.model = "large−v3";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/peertube−runner.nix>

services.peertube−runner.user
User account under which peertube−runner runs.

Type: string

Default:

```
"prunner"
```

Example:

```
"peertube−runner"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/peertube−runner.nix>

services.perses.enable
Whether to enable perses.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/perses.nix>

services.perses.package
The perses package to use.

Type: package

Default:

```
pkgs.perses
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/perses.nix>

services.perses.extraOptions
Additional options passed to perses daemon.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "−web.telemetry−path=/metrics"
]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/perses.nix>

services.perses.listenAddress

Address to listen on. Empty string will listen on all interfaces.

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/perses.nix>

services.perses.port

Perses Web interface port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/perses.nix>

services.perses.settings

Perses settings. See **https://perses.dev/perses/docs/configuration/configuration/** for available options. You can specify secret values in this configuration by setting ‘somevalue._secret = "/path/to/file"’ instead of setting ‘somevalue’ directly.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/perses.nix>

services.persistent−evdev.enable

Whether to enable virtual input devices that persist even if the backing device is hotplugged.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/persistent−evdev.nix>

services.persistent−evdev.devices

A set of virtual proxy device labels with backing physical device ids.

Physical devices should already exist in */dev/input/by−id/*. Proxy devices will be automatically given a ‘uinput−’ prefix.

See the **project page** for example configuration of virtual devices with libvirt and remember to add ‘uinput−*’ devices to the qemu ‘cgroup_device_acl’ list (see **virtualisation.libvirtd.qemu.verbatimConfig**).

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  persist-mouse0 = "usb-Logitech_G403_Prodigy_Gaming_Mouse_078738 \
533531-event-if01";
  persist-mouse1 = "usb-Logitech_G403_Prodigy_Gaming_Mouse_078738 \
533531-event-mouse";
  persist-mouse2 = "usb-Logitech_G403_Prodigy_Gaming_Mouse_078738 \
533531-if01-event-kbd";
  persist-keyboard0 = "usb-Microsoft_Natural®_Ergonomic_Keyboard_ \
4000-event-kbd";
  persist-keyboard1 = "usb-Microsoft_Natural®_Ergonomic_Keyboard_ \
4000-if01-event-kbd";
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/persistent-evdev.nix>

services.pfix-srsd.enable
Whether to run the postfix sender rewriting scheme daemon.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/mail/pfix-srsd.nix>

services.pfix-srsd.configurePostfix
Whether to configure the required settings to use pfix-srsd in the local Postfix instance.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/pfix-srsd.nix>

services.pfix-srsd.domain
The domain for which to enable srs

Type: string

Example:

```
"example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/pfix-srsd.nix>

services.pfix-srsd.secretsFile
The secret data used to encode the SRS address. to generate, use a command like: ‘for n in $(seq 5); do dd if=/dev/urandom count=1 bs=1024 status=none | sha256sum | sed 's/ -$//' | sed 's/^/ /'; done’

Type: absolute path

Default:

```
"/var/lib/pfix-srsd/secrets"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/pfix−srsd.nix>

services.pgadmin.enable
Whether to enable PostgreSQL Admin 4.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/admin/pgadmin.nix>

services.pgadmin.package
The pgadmin4 package to use.

Type: package

Default:

```
pkgs.pgadmin4
```

Declared by:
<nixpkgs/nixos/modules/services/admin/pgadmin.nix>

services.pgadmin.emailServer.enable
Whether to enable SMTP email server. This is necessary, if you want to use password recovery or change your own password.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/admin/pgadmin.nix>

services.pgadmin.emailServer.address
SMTP server for email delivery

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/admin/pgadmin.nix>

services.pgadmin.emailServer.passwordFile
Password for SMTP email account. NOTE: Should be string not a store path, to prevent the password from being world readable

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/admin/pgadmin.nix>

services.pgadmin.emailServer.port
SMTP server port for email delivery

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
25
```

Declared by:
<nixpkgs/nixos/modules/services/admin/pgadmin.nix>

services.pgadmin.emailServer.sender
SMTP server sender email for email delivery. Some servers require this to be a valid email address from that server

Type: string

Example:

```
"noreply@example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/admin/pgadmin.nix>

services.pgadmin.emailServer.useSSL
Whether to enable SSL for connecting to the SMTP server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/admin/pgadmin.nix>

services.pgadmin.emailServer.useTLS
Whether to enable TLS for connecting to the SMTP server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/admin/pgadmin.nix>

services.pgadmin.emailServer.username
SMTP server username for email delivery

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/admin/pgadmin.nix>

services.pgadmin.initialEmail
Initial email for the pgAdmin account

Type: string

Declared by:
<nixpkgs/nixos/modules/services/admin/pgadmin.nix>

services.pgadmin.initialPasswordFile
Initial password file for the pgAdmin account. Minimum length by default is 6. Please see 'services.pgadmin.minimumPasswordLength'. NOTE: Should be string not a store path, to prevent the password from being world readable

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/admin/pgadmin.nix>

services.pgadmin.minimumPasswordLength
Minimum length of the password

Type: signed integer

Default:

```
6
```

Declared by:
<nixpkgs/nixos/modules/services/admin/pgadmin.nix>

services.pgadmin.openFirewall
Whether to enable firewall passthrough for pgadmin4.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/admin/pgadmin.nix>

services.pgadmin.port
Port for pgadmin4 to run on

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5050
```

Declared by:
<nixpkgs/nixos/modules/services/admin/pgadmin.nix>

services.pgadmin.settings
Settings for pgadmin4. **Documentation**

Type: attribute set of ((attribute set of ((list of (signed integer or boolean or string)) or attribute set of (signed integer or boolean or string) or signed integer or boolean or string)) or list of ((list of (signed integer or boolean or string)) or attribute set of (signed integer or boolean or string) or signed integer or boolean or string) or (list of (signed integer or boolean or string)) or attribute set of (signed integer or

boolean or string) or signed integer or boolean or string)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/admin/pgadmin.nix>

services.pgbackrest.enable
Whether to enable pgBackRest.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/backup/pgbackrest.nix>

services.pgbackrest.commands.annotate
Options for the ‘annotate’ command.

An attribute set of options as described in: **https://pgbackrest.org/configuration.html**

All globally available options, i.e. all except stanza options, can be used. Repository options should be set via ‘repos’ instead.

Type: open submodule of attribute set of (boolean or (unsigned integer, meaning >=0) or string or attribute set of string or list of string)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/backup/pgbackrest.nix>

services.pgbackrest.commands.archive−get
Options for the ‘archive−get’ command.

An attribute set of options as described in: **https://pgbackrest.org/configuration.html**

All globally available options, i.e. all except stanza options, can be used. Repository options should be set via ‘repos’ instead.

Type: open submodule of attribute set of (boolean or (unsigned integer, meaning >=0) or string or attribute set of string or list of string)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/backup/pgbackrest.nix>

services.pgbackrest.commands.archive−push
Options for the ‘archive−push’ command.

An attribute set of options as described in: **https://pgbackrest.org/configuration.html**

All globally available options, i.e. all except stanza options, can be used. Repository options should be set via ‘repos’ instead.

Type: open submodule of attribute set of (boolean or (unsigned integer, meaning >=0) or string or

attribute set of string or list of string)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/backup/pgbackrest.nix>

services.pgbackrest.commands.backup
Options for the ‘backup’ command.

An attribute set of options as described in: **https://pgbackrest.org/configuration.html**

All globally available options, i.e. all except stanza options, can be used. Repository options should be set via ‘repos’ instead.

Type: open submodule of attribute set of (boolean or (unsigned integer, meaning >=0) or string or attribute set of string or list of string)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/backup/pgbackrest.nix>

services.pgbackrest.commands.check
Options for the ‘check’ command.

An attribute set of options as described in: **https://pgbackrest.org/configuration.html**

All globally available options, i.e. all except stanza options, can be used. Repository options should be set via ‘repos’ instead.

Type: open submodule of attribute set of (boolean or (unsigned integer, meaning >=0) or string or attribute set of string or list of string)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/backup/pgbackrest.nix>

services.pgbackrest.commands.expire
Options for the ‘expire’ command.

An attribute set of options as described in: **https://pgbackrest.org/configuration.html**

All globally available options, i.e. all except stanza options, can be used. Repository options should be set via ‘repos’ instead.

Type: open submodule of attribute set of (boolean or (unsigned integer, meaning >=0) or string or attribute set of string or list of string)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/backup/pgbackrest.nix>

services.pgbackrest.commands.help
Options for the ‘help’ command.

An attribute set of options as described in: **https://pgbackrest.org/configuration.html**

All globally available options, i.e. all except stanza options, can be used. Repository options should be set via ‘repos’ instead.

Type: open submodule of attribute set of (boolean or (unsigned integer, meaning >=0) or string or attribute set of string or list of string)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/backup/pgbackrest.nix>

services.pgbackrest.commands.info
Options for the ‘info’ command.

An attribute set of options as described in: **https://pgbackrest.org/configuration.html**

All globally available options, i.e. all except stanza options, can be used. Repository options should be set via ‘repos’ instead.

Type: open submodule of attribute set of (boolean or (unsigned integer, meaning >=0) or string or attribute set of string or list of string)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/backup/pgbackrest.nix>

services.pgbackrest.commands.repo−get
Options for the ‘repo−get’ command.

An attribute set of options as described in: **https://pgbackrest.org/configuration.html**

All globally available options, i.e. all except stanza options, can be used. Repository options should be set via ‘repos’ instead.

Type: open submodule of attribute set of (boolean or (unsigned integer, meaning >=0) or string or attribute set of string or list of string)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/backup/pgbackrest.nix>

services.pgbackrest.commands.repo−ls
Options for the ‘repo−ls’ command.

An attribute set of options as described in: **https://pgbackrest.org/configuration.html**

All globally available options, i.e. all except stanza options, can be used. Repository options should be set via ‘repos’ instead.

Type: open submodule of attribute set of (boolean or (unsigned integer, meaning >=0) or string or attribute set of string or list of string)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/backup/pgbackrest.nix>

services.pgbackrest.commands.restore
Options for the ‘restore’ command.

An attribute set of options as described in: **https://pgbackrest.org/configuration.html**

All globally available options, i.e. all except stanza options, can be used. Repository options should be set via ‘repos’ instead.

Type: open submodule of attribute set of (boolean or (unsigned integer, meaning >=0) or string or attribute set of string or list of string)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/backup/pgbackrest.nix>

services.pgbackrest.commands.server
Options for the ‘server’ command.

An attribute set of options as described in: **https://pgbackrest.org/configuration.html**

All globally available options, i.e. all except stanza options, can be used. Repository options should be set via ‘repos’ instead.

Type: open submodule of attribute set of (boolean or (unsigned integer, meaning >=0) or string or attribute set of string or list of string)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/backup/pgbackrest.nix>

services.pgbackrest.commands.server−ping
Options for the ‘server−ping’ command.

An attribute set of options as described in: **https://pgbackrest.org/configuration.html**

All globally available options, i.e. all except stanza options, can be used. Repository options should be set via ‘repos’ instead.

Type: open submodule of attribute set of (boolean or (unsigned integer, meaning >=0) or string or attribute set of string or list of string)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/backup/pgbackrest.nix>

services.pgbackrest.commands.stanza−create
Options for the ‘stanza−create’ command.

An attribute set of options as described in: **https://pgbackrest.org/configuration.html**

All globally available options, i.e. all except stanza options, can be used. Repository options should be set via ‘repos’ instead.

Type: open submodule of attribute set of (boolean or (unsigned integer, meaning >=0) or string or attribute set of string or list of string)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/backup/pgbackrest.nix>

services.pgbackrest.commands.stanza−delete
Options for the ‘stanza−delete’ command.

An attribute set of options as described in: **https://pgbackrest.org/configuration.html**

All globally available options, i.e. all except stanza options, can be used. Repository options should be set via ‘repos’ instead.

Type: open submodule of attribute set of (boolean or (unsigned integer, meaning >=0) or string or attribute set of string or list of string)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/backup/pgbackrest.nix>

services.pgbackrest.commands.stanza−upgrade
Options for the ‘stanza−upgrade’ command.

An attribute set of options as described in: **https://pgbackrest.org/configuration.html**

All globally available options, i.e. all except stanza options, can be used. Repository options should be set via ‘repos’ instead.

Type: open submodule of attribute set of (boolean or (unsigned integer, meaning >=0) or string or attribute set of string or list of string)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/backup/pgbackrest.nix>

services.pgbackrest.commands.start
Options for the ‘start’ command.

An attribute set of options as described in: **https://pgbackrest.org/configuration.html**

All globally available options, i.e. all except stanza options, can be used. Repository options should be set via ‘repos’ instead.

Type: open submodule of attribute set of (boolean or (unsigned integer, meaning >=0) or string or attribute set of string or list of string)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/backup/pgbackrest.nix>

services.pgbackrest.commands.stop
Options for the ‘stop’ command.

An attribute set of options as described in: **https://pgbackrest.org/configuration.html**

All globally available options, i.e. all except stanza options, can be used. Repository options should be set via ‘repos’ instead.

Type: open submodule of attribute set of (boolean or (unsigned integer, meaning >=0) or string or attribute set of string or list of string)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/backup/pgbackrest.nix>

services.pgbackrest.commands.verify

Options for the ‘verify’ command.

An attribute set of options as described in: **https://pgbackrest.org/configuration.html**

All globally available options, i.e. all except stanza options, can be used. Repository options should be set via ‘repos’ instead.

Type: open submodule of attribute set of (boolean or (unsigned integer, meaning >=0) or string or attribute set of string or list of string)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/backup/pgbackrest.nix>

services.pgbackrest.commands.version

Options for the ‘version’ command.

An attribute set of options as described in: **https://pgbackrest.org/configuration.html**

All globally available options, i.e. all except stanza options, can be used. Repository options should be set via ‘repos’ instead.

Type: open submodule of attribute set of (boolean or (unsigned integer, meaning >=0) or string or attribute set of string or list of string)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/backup/pgbackrest.nix>

services.pgbackrest.repos

An attribute set of repositories as described in: **https://pgbackrest.org/configuration.html#section−repository**

Each repository defaults to set ‘repo−host’ to the attribute’s name. The special value “localhost” will unset ‘repo−host’.

Note

The prefix ‘repoNNN−’ is added automatically. Example: Use ‘path’ instead of ‘repo1−path’.

Type: attribute set of (open submodule of attribute set of (boolean or (unsigned integer, meaning >=0) or string or attribute set of string or list of string))

Default:

```
{ }
```

Example:

```
{
  localhost.path = "/var/lib/backup";
  "backup.example.com".host-type = "tls";
}
```

Declared by:
<nixpkgs/nixos/modules/services/backup/pgbackrest.nix>

services.pgbackrest.repos.<name>.host
Repository host when operating remotely

Type: null or string

Default:

```
name
```

Declared by:
<nixpkgs/nixos/modules/services/backup/pgbackrest.nix>

services.pgbackrest.repos.<name>.sftp−host
SFTP repository host

Type: null or string

Default:

```
name
```

Declared by:
<nixpkgs/nixos/modules/services/backup/pgbackrest.nix>

services.pgbackrest.repos.<name>.sftp−private−key−file
SFTP private key file.

The file must be accessible by both the pgbackrest and the postgres users.

Type: null or absolute path not in the Nix store

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/pgbackrest.nix>

services.pgbackrest.settings
An attribute set of options as described in: **https://pgbackrest.org/configuration.html**

All globally available options, i.e. all except stanza options, can be used. Repository options should be set via ‘repos’ instead.

Type: open submodule of attribute set of (boolean or (unsigned integer, meaning >=0) or string or attribute set of string or list of string)

Default:

```
{ }
```

Example:

```
{
  process−max = 2;
}
```

Declared by:
<nixpkgs/nixos/modules/services/backup/pgbackrest.nix>

services.pgbackrest.stanzas

An attribute set of stanzas as described in: **https://pgbackrest.org/user−guide.html#quickstart/configure−stanza**

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/backup/pgbackrest.nix>

services.pgbackrest.stanzas.<name>.instances

An attribute set of database instances as described in: **https://pgbackrest.org/configuration.html#section−stanza**

Each instance defaults to set ‘pg−host’ to the attribute’s name. The special value “localhost” will unset ‘pg−host’.

Note

The prefix ‘pgNNN−’ is added automatically. Example: Use ‘user’ instead of ‘pg1−user’.

Type: attribute set of (open submodule of attribute set of (boolean or (unsigned integer, meaning >=0) or string or attribute set of string or list of string))

Default:

```
{ }
```

Example:

```
{
  localhost.database = "app";
  "postgres.example.com".port = "5433";
}
```

Declared by:

<nixpkgs/nixos/modules/services/backup/pgbackrest.nix>

services.pgbackrest.stanzas.<name>.instances.<name>.host

PostgreSQL host for operating remotely.

Type: null or string

Default:

```
if name == "localhost" then null else name
```

Declared by:

<nixpkgs/nixos/modules/services/backup/pgbackrest.nix>

services.pgbackrest.stanzas.<name>.jobs

Backups jobs to schedule for this stanza as described in: **https://pgbackrest.org/user−guide.html#quickstart/schedule−backup**

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  weekly = { schedule = "Sun, 6:30"; type = "full"; };
  daily = { schedule = "Mon..Sat, 6:30"; type = "diff"; };
```

```
}
```

Declared by:
<nixpkgs/nixos/modules/services/backup/pgbackrest.nix>

services.pgbackrest.stanzas.<name>.jobs.<name>.schedule
When or how often the backup should run. Must be in the format described in **systemd.time**(7).

Type: string

Declared by:
<nixpkgs/nixos/modules/services/backup/pgbackrest.nix>

services.pgbackrest.stanzas.<name>.jobs.<name>.type
Backup type as described in: **https://pgbackrest.org/command.html#command-backup/category-command/option-type**

Type: string

Declared by:
<nixpkgs/nixos/modules/services/backup/pgbackrest.nix>

services.pgbackrest.stanzas.<name>.settings
An attribute set of options as described in: **https://pgbackrest.org/configuration.html**

All options can be used. Repository options should be set via ‘repos’ instead. Stanza options should be set via ‘instances’ instead.

Type: open submodule of attribute set of (boolean or (unsigned integer, meaning >=0) or string or attribute set of string or list of string)

Default:

```
{ }
```

Example:

```
{
  process-max = 2;
}
```

Declared by:
<nixpkgs/nixos/modules/services/backup/pgbackrest.nix>

services.pgbouncer.enable
Whether to enable PostgreSQL connection pooler.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/databases/pgbouncer.nix>

services.pgbouncer.package
The pgbouncer package to use.

Type: package

Default:

```
pkgs.pgbouncer
```

Declared by:
<nixpkgs/nixos/modules/services/databases/pgbouncer.nix>

services.pgbouncer.group
The group pgbouncer is run as.

Type: string

Default:

```
"pgbouncer"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/pgbouncer.nix>

services.pgbouncer.homeDir
Specifies the home directory.

Type: absolute path

Default:

```
"/var/lib/pgbouncer"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/pgbouncer.nix>

services.pgbouncer.openFilesLimit
Maximum number of open files.

Type: signed integer

Default:

```
65536
```

Declared by:
<nixpkgs/nixos/modules/services/databases/pgbouncer.nix>

services.pgbouncer.openFirewall
Whether to automatically open the specified TCP port in the firewall.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/databases/pgbouncer.nix>

services.pgbouncer.settings
Configuration for PgBouncer, see **https://www.pgbouncer.org/config.html** for supported values.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/databases/pgbouncer.nix>

services.pgbouncer.settings.databases

Detailed information about PostgreSQL database definitions: **https://www.pgbouncer.org/config.html#section−databases**

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  bardb = "host=localhost dbname=bazdb";
  exampledb = "host=/run/postgresql/ port=5432 auth_user=exampleuse \
r dbname=exampledb sslmode=require";
  foodb = "host=host1.example.com port=5432";
}
```

Declared by:

<nixpkgs/nixos/modules/services/databases/pgbouncer.nix>

services.pgbouncer.settings.peers

Optional.

Detailed information about PostgreSQL database definitions: **https://www.pgbouncer.org/config.html#section−peers**

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  "1" = "host=host1.example.com";
  "2" = "host=/tmp/pgbouncer−2 port=5555";
}
```

Declared by:

<nixpkgs/nixos/modules/services/databases/pgbouncer.nix>

services.pgbouncer.settings.pgbouncer.default_pool_size

How many server connections to allow per user/database pair. Can be overridden in the per−database configuration.

Type: signed integer

Default:

```
20
```

Declared by:

<nixpkgs/nixos/modules/services/databases/pgbouncer.nix>

services.pgbouncer.settings.pgbouncer.ignore_startup_parameters

By default, PgBouncer allows only parameters it can keep track of in startup packets: client_encoding, datestyle, timezone and standard_conforming_strings.

All others parameters will raise an error. To allow others parameters, they can be specified here, so that PgBouncer knows that they are handled by the admin and it can ignore them.

If you need to specify multiple values, use a comma−separated list.

IMPORTANT: When using prometheus−pgbouncer−exporter, you need: extra_float_digits

https://github.com/prometheus-community/pgbouncer_exporter#pgbouncer-configuration

Type: null or strings concatenated with ","

Default:

```
null
```

Example:

```
"extra_float_digits"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/pgbouncer.nix>

services.pgbouncer.settings.pgbouncer.listen_addr
Specifies a list (comma-separated) of addresses where to listen for TCP connections. You may also use * meaning "listen on all addresses". When not set, only Unix socket connections are accepted.

Addresses can be specified numerically (IPv4/IPv6) or by name.

Type: null or strings concatenated with ","

Default:

```
null
```

Example:

```
"*"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/pgbouncer.nix>

services.pgbouncer.settings.pgbouncer.listen_port
Which port to listen on. Applies to both TCP and Unix sockets.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
6432
```

Declared by:
<nixpkgs/nixos/modules/services/databases/pgbouncer.nix>

services.pgbouncer.settings.pgbouncer.max_client_conn
Maximum number of client connections allowed.

When this setting is increased, then the file descriptor limits in the operating system might also have to be increased. Note that the number of file descriptors potentially used is more than maxClientConn. If each user connects under its own user name to the server, the theoretical maximum used is: maxClient-Conn + (max pool_size * total databases * total users)

If a database user is specified in the connection string (all users connect under the same user name), the theoretical maximum is: maxClientConn + (max pool_size * total databases)

The theoretical maximum should never be reached, unless somebody deliberately crafts a special load for it. Still, it means you should set the number of file descriptors to a safely high number.

Type: signed integer

Default:

```
100
```

Declared by:
<nixpkgs/nixos/modules/services/databases/pgbouncer.nix>

services.pgbouncer.settings.pgbouncer.max_db_connections
Do not allow more than this many server connections per database (regardless of user). This considers the PgBouncer database that the client has connected to, not the PostgreSQL database of the outgoing connection.

This can also be set per database in the [databases] section.

Note that when you hit the limit, closing a client connection to one pool will not immediately allow a server connection to be established for another pool, because the server connection for the first pool is still open. Once the server connection closes (due to idle timeout), a new server connection will immediately be opened for the waiting pool.

0 = unlimited

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/services/databases/pgbouncer.nix>

services.pgbouncer.settings.pgbouncer.max_user_connections
Do not allow more than this many server connections per user (regardless of database). This considers the PgBouncer user that is associated with a pool, which is either the user specified for the server connection or in absence of that the user the client has connected as.

This can also be set per user in the [users] section.

Note that when you hit the limit, closing a client connection to one pool will not immediately allow a server connection to be established for another pool, because the server connection for the first pool is still open. Once the server connection closes (due to idle timeout), a new server connection will immediately be opened for the waiting pool.

0 = unlimited

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/services/databases/pgbouncer.nix>

services.pgbouncer.settings.pgbouncer.pool_mode
Specifies when a server connection can be reused by other clients.

session Server is released back to pool after client disconnects. Default. transaction Server is released back to pool after transaction finishes. statement Server is released back to pool after query finishes. Transactions spanning multiple statements are disallowed in this mode.

Type: one of “session”, “transaction”, “statement”

Default:

```
"session"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/pgbouncer.nix>

services.pgbouncer.settings.users

Optional.

Detailed information about PostgreSQL user definitions: **https://www.pgbouncer.org/config.html#section−users**

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user1 = "pool_mode=session";
}
```

Declared by:

<nixpkgs/nixos/modules/services/databases/pgbouncer.nix>

services.pgbouncer.user

The user pgbouncer is run as.

Type: string

Default:

```
"pgbouncer"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/pgbouncer.nix>

services.pghero.enable

Whether to enable PgHero service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/pghero.nix>

services.pghero.package

The pghero package to use.

Type: package

Default:

```
pkgs.pghero
```

Declared by:

<nixpkgs/nixos/modules/services/misc/pghero.nix>

services.pghero.environment

Environment variables to set for the service. Secrets should be specified using **environmentFile**.

Type: attribute set of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/pghero.nix>

services.pghero.environmentFiles
File to load environment variables from. Loaded variables override values set in **environment**.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/pghero.nix>

services.pghero.extraArgs
Additional command−line arguments for the systemd service.

Refer to the **Puma web server documentation** for available arguments.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/pghero.nix>

services.pghero.extraGroups
Additional groups for the systemd service.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "tlskeys"
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/pghero.nix>

services.pghero.listenAddress
‘hostname:port’ to listen for HTTP traffic.

This is bound using the systemd socket activation.

Type: string

Example:

```
"[::1]:3000"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/pghero.nix>

services.pghero.settings
PgHero configuration. Refer to the **PgHero documentation** for more details.

Type: YAML 1.1 value

Default:

```
{ }
```

Example:

```
{
  databases = {
    primary = {
      url = "<%= ENV['PRIMARY_DATABASE_URL'] %>";
    };
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/pghero.nix>

services.pgmanage.enable
Whether to enable PostgreSQL Administration for the web.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/databases/pgmanage.nix>

services.pgmanage.package
The pgmanage package to use.

Type: package

Default:

```
pkgs.pgmanage
```

Declared by:
<nixpkgs/nixos/modules/services/databases/pgmanage.nix>

services.pgmanage.allowCustomConnections
This tells pgmanage whether or not to allow anyone to use a custom connection from the login screen.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/databases/pgmanage.nix>

services.pgmanage.connections
pgmanage requires at least one PostgreSQL server be defined.

Detailed information about PostgreSQL connection strings is available at: **https://www.postgresql.org/docs/current/libpq-connect.html**

Note that you should not specify your user name or password. That information will be entered on the login screen. If you specify a username or password, it will be removed by pgmanage before attempting to connect to a database.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  mini-server = "hostaddr=127.0.0.1 port=5432 dbname=postgres sslm \
ode=require";
  nuc-server = "hostaddr=192.168.0.100 port=5432 dbname=postgres";
}
```

Declared by:
<nixpkgs/nixos/modules/services/databases/pgmanage.nix>

services.pgmanage.localOnly
This tells pgmanage whether or not to set the listening socket to local addresses only.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/databases/pgmanage.nix>

services.pgmanage.logLevel
Verbosity of logs

Type: one of “error”, “warn”, “notice”, “info”

Default:

```
"error"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/pgmanage.nix>

services.pgmanage.loginGroup
This tells pgmanage to only allow users in a certain PostgreSQL group to login to pgmanage. Note that a connection will be made to PostgreSQL in order to test if the user is a member of the login group.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/databases/pgmanage.nix>

services.pgmanage.loginTimeout
Number of seconds of inactivity before user is automatically logged out.

Type: signed integer

Default:

```
3600
```

Declared by:
<nixpkgs/nixos/modules/services/databases/pgmanage.nix>

services.pgmanage.port
This tells pgmanage what port to listen on for browser requests.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/databases/pgmanage.nix>

services.pgmanage.sqlRoot
This tells pgmanage where to put the SQL file history. All tabs are saved to this location so that if you get disconnected from pgmanage you don't lose your work.

Type: string

Default:

```
"/var/lib/pgmanage"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/pgmanage.nix>

services.pgmanage.superOnly
This tells pgmanage whether or not to only allow super users to login. The recommended value is true and will restrict users who are not super users from logging in to any PostgreSQL instance through pgmanage. Note that a connection will be made to PostgreSQL in order to test if the user is a superuser.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/databases/pgmanage.nix>

services.pgmanage.tls
These options tell pgmanage where the TLS Certificate and Key files reside. If you use these options then you'll only be able to access pgmanage through a secure TLS connection. These options are only necessary if you wish to connect directly to pgmanage using a secure TLS connection. As an alternative, you can set up pgmanage in a reverse proxy configuration. This allows your web server to terminate the secure connection and pass on the request to pgmanage. You can find help to set up this configuration in: **https://github.com/pgManage/pgManage/blob/master/INSTALL_NGINX.md**

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/databases/pgmanage.nix>

services.pgmanage.tls.cert
TLS certificate

Type: string

Declared by:
<nixpkgs/nixos/modules/services/databases/pgmanage.nix>

services.pgmanage.tls.key
TLS key

Type: string

Declared by:
<nixpkgs/nixos/modules/services/databases/pgmanage.nix>

services.pgpkeyserver−lite.enable
Whether to enable pgpkeyserver−lite on a nginx vHost proxying to a gpg keyserver.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pgpkeyserver−lite.nix>

services.pgpkeyserver−lite.package
The pgpkeyserver−lite package to use.

Type: package

Default:

```
pkgs.pgpkeyserver−lite
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pgpkeyserver−lite.nix>

services.pgpkeyserver−lite.hkpAddress
Which IP address the sks−keyserver is listening on.

Type: string

Default:

```
head config.services.sks.hkpAddress
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pgpkeyserver−lite.nix>

services.pgpkeyserver−lite.hkpPort
Which port the sks−keyserver is listening on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
config.services.sks.hkpPort
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pgpkeyserver−lite.nix>

services.pgpkeyserver−lite.hostname
Which hostname to set the vHost to that is proxying to sks.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pgpkeyserver−lite.nix>

services.pgscv.enable
Whether to enable pgSCV, a PostgreSQL ecosystem metrics collector.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/pgscv.nix>

services.pgscv.package
The pgscv package to use.

Type: package

Default:

```
pkgs.pgscv
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/pgscv.nix>

services.pgscv.logLevel
Log level for pgSCV.

Type: one of “debug”, “info”, “warn”, “error”

Default:

```
"info"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/pgscv.nix>

services.pgscv.settings
Configuration for pgSCV, in YAML format.

See **configuration reference**.

Type: YAML 1.1 value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/pgscv.nix>

services.photonvision.enable
Whether to enable PhotonVision.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/video/photonvision.nix>

services.photonvision.package
The photonvision package to use.

Type: package

Default:

```
pkgs.photonvision
```

Declared by:
<nixpkgs/nixos/modules/services/video/photonvision.nix>

services.photonvision.openFirewall
Whether to open the required ports in the firewall.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/video/photonvision.nix>

services.photoprism.enable
Whether to enable Photoprism web server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/photoprism.nix>

services.photoprism.package
The photoprism package to use.

Type: package

Default:

```
pkgs.photoprism
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/photoprism.nix>

services.photoprism.address
Web interface address.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/photoprism.nix>

services.photoprism.databasePasswordFile
Database password file.

Type: null or absolute path not in the Nix store

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/photoprism.nix>

services.photoprism.group
Group under which photoprism runs.

Type: string

Default:

```
"photoprism"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/photoprism.nix>

services.photoprism.importPath
Relative or absolute to the ‘originalsPath’ from where the files should be imported.

Type: string

Default:

```
"import"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/photoprism.nix>

services.photoprism.originalsPath
Storage path of your original media files (photos and videos).

Type: absolute path

Default:

```
null
```

Example:

```
"/data/photos"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/photoprism.nix>

services.photoprism.passwordFile
Admin password file.

Type: null or absolute path not in the Nix store

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/photoprism.nix>

services.photoprism.port
Web interface port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
2342
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/photoprism.nix>

services.photoprism.settings

See **the getting−started guide** for available options.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  PHOTOPRISM_ADMIN_USER = "root";
  PHOTOPRISM_DEFAULT_LOCALE = "de";
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/photoprism.nix>

services.photoprism.storagePath

Location for sidecar, cache, and database files.

Type: absolute path

Default:

```
"/var/lib/photoprism"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/photoprism.nix>

services.photoprism.user

User under which photoprism runs.

Type: string

Default:

```
"photoprism"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/photoprism.nix>

services.photoview.enable

Whether to enable Photoview, a photo gallery for self−hosted personal servers.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/photoview.nix>

services.photoview.package

The photoview package to use.

Type: package

Default:

```
pkgs.photoview
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/photoview.nix>

services.photoview.dataDir
Directory for photoview state, cache, and database.

Type: absolute path

Default:

```
"/var/lib/photoview"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/photoview.nix>

services.photoview.database.host
Database host address.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/photoview.nix>

services.photoview.database.name
Database name.

Type: string

Default:

```
"photoview"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/photoview.nix>

services.photoview.database.passwordFile
Path to a file containing the database password. Required when using MySQL or PostgreSQL.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/photoview.nix>

services.photoview.database.port
Database port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5432
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/photoview.nix>

services.photoview.database.type
Database engine to use.

Type: one of “sqlite”, “mysql”, “postgres”

Default:

```
"sqlite"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/photoview.nix>

services.photoview.database.user
Database user.

Type: string

Default:

```
"photoview"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/photoview.nix>

services.photoview.group
Group under which photoview runs.

Type: string

Default:

```
"photoview"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/photoview.nix>

services.photoview.host
Address to listen on.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/photoview.nix>

services.photoview.mediaPath
Path to the directory containing photos to be served. This directory must be readable by the photoview user.

Type: absolute path

Example:

```
"/mnt/photos"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/photoview.nix>

services.photoview.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
4001
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/photoview.nix>

services.photoview.secretsFile

Path to an environment file containing secrets. Can be used for MAPBOX_TOKEN or other sensitive settings.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/photoview.nix>

services.photoview.settings.disableFaceRecognition

Disable face recognition feature.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/photoview.nix>

services.photoview.settings.disableRawProcessing

Disable RAW photo processing.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/photoview.nix>

services.photoview.settings.disableVideoEncoding

Disable video encoding with FFmpeg.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/photoview.nix>

services.photoview.settings.mapboxToken

Mapbox API token for map features.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/photoview.nix>

services.photoview.settings.videoEncoder

Hardware video encoder to use.

Type: null or one of “h264_qsv”, “h264_vaapi”, “h264_nvenc”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/photoview.nix>

services.photoview.user
User account under which photoview runs.

Type: string

Default:

```
"photoview"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/photoview.nix>

services.phpfpm.extraConfig
Extra configuration that should be put in the global section of the PHP−FPM configuration file. Do not specify the options ‘error_log’ or ‘daemonize’ here, since they are generated by NixOS.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/phpfpm/default.nix>

services.phpfpm.phpOptions
Options appended to the PHP configuration file *php.ini*.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
  date.timezone = "CET"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/phpfpm/default.nix>

services.phpfpm.phpPackage
The php package to use.

Type: package

Default:

```
pkgs.php
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/phpfpm/default.nix>

services.phpfpm.pools
PHP−FPM pools. If no pools are defined, the PHP−FPM service is disabled.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  mypool = {
    user = "php";
```

```
      group = "php";
      phpPackage = pkgs.php;
      settings = {
        "pm" = "dynamic";
        "pm.max_children" = 75;
        "pm.start_servers" = 10;
        "pm.min_spare_servers" = 5;
        "pm.max_spare_servers" = 20;
        "pm.max_requests" = 500;
      };
    }
  }
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/phpfpm/default.nix>

services.phpfpm.pools.<name>.extraConfig
Extra lines that go into the pool configuration. See the documentation on ‘php−fpm.conf’ for details on configuration directives.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/phpfpm/default.nix>

services.phpfpm.pools.<name>.group
Group account under which this pool runs.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−servers/phpfpm/default.nix>

services.phpfpm.pools.<name>.listen
The address on which to accept FastCGI requests.

Type: string

Default:

```
""
```

Example:

```
"/path/to/unix/socket"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/phpfpm/default.nix>

services.phpfpm.pools.<name>.phpEnv
Environment variables used for this PHP−FPM pool.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  HOSTNAME = "$HOSTNAME";
```

```
  TMP = "/tmp";
  TMPDIR = "/tmp";
  TEMP = "/tmp";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/phpfpm/default.nix>

services.phpfpm.pools.<name>.phpOptions
"Options appended to the PHP configuration file *php.ini* used for this PHP−FPM pool."

Type: strings concatenated with "\n"

Declared by:
<nixpkgs/nixos/modules/services/web−servers/phpfpm/default.nix>

services.phpfpm.pools.<name>.phpPackage
The PHP package to use for running this PHP−FPM pool.

Type: package

Default:

```
config.services.phpfpm.phpPackage
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/phpfpm/default.nix>

services.phpfpm.pools.<name>.settings
PHP−FPM pool directives. Refer to the "List of pool directives" section of **https://www.php.net/manual/en/install.fpm.configuration.php** for details. Note that settings names must be enclosed in quotes (e.g. '"pm.max_children"' instead of 'pm.max_children').

Type: attribute set of (string or signed integer or boolean)

Default:

```
{ }
```

Example:

```
{
  "pm" = "dynamic";
  "pm.max_children" = 75;
  "pm.start_servers" = 10;
  "pm.min_spare_servers" = 5;
  "pm.max_spare_servers" = 20;
  "pm.max_requests" = 500;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/phpfpm/default.nix>

services.phpfpm.pools.<name>.socket
Path to the unix socket file on which to accept FastCGI requests.

Note
This option is read−only and managed by NixOS.

Type: string *(read only)*

Example:

```
"/run/phpfpm/<name>.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/phpfpm/default.nix>

services.phpfpm.pools.<name>.user
User account under which this pool runs.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−servers/phpfpm/default.nix>

services.phpfpm.settings
PHP−FPM global directives. Refer to the “List of global php−fpm.conf directives” section of **https://www.php.net/manual/en/install.fpm.configuration.php** for details. Note that settings names must be enclosed in quotes (e.g. ‘"pm.max_children"’ instead of ‘pm.max_children’). You need not specify the options ‘error_log’ or ‘daemonize’ here, since they are generated by NixOS.

Type: attribute set of (string or signed integer or boolean)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/phpfpm/default.nix>

services.phylactery.enable
Whether to enable Phylactery server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/phylactery.nix>

services.phylactery.package
The phylactery package to use.

Type: package

Default:

```
pkgs.phylactery
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/phylactery.nix>

services.phylactery.host
Listen host for Phylactery

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/phylactery.nix>

services.phylactery.library
Path to CBZ library

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/web−apps/phylactery.nix>

services.phylactery.port
Listen port for Phylactery

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Declared by:
<nixpkgs/nixos/modules/services/web−apps/phylactery.nix>

services.physlock.enable
Whether to enable the **physlock** screen locking mechanism.

Enable this and then run **systemctl start physlock** to securely lock the screen.

This will switch to a new virtual terminal, turn off console switching and disable SysRq mechanism (when **services.physlock.disableSysRq** is set) until the root or user password is given.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/physlock.nix>

services.physlock.allowAnyUser
Whether to allow any user to lock the screen. This will install a setuid wrapper to allow any user to start physlock as root, which is a minor security risk. Call the physlock binary to use this instead of using the systemd service.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/physlock.nix>

services.physlock.disableSysRq
Whether to disable SysRq when locked with physlock.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/physlock.nix>

services.physlock.lockMessage
Message to show on physlock login terminal.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/security/physlock.nix>

services.physlock.lockOn.extraTargets
Other targets to lock the screen just before.

Useful if you want to e.g. both autologin to X11 so that your *~/.xsession* gets executed and still to have the screen locked so that the system can be booted relatively unattended.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "display-manager.service"
]
```

Declared by:
<nixpkgs/nixos/modules/services/security/physlock.nix>

services.physlock.lockOn.hibernate
Whether to lock screen with physlock just before hibernate.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/physlock.nix>

services.physlock.lockOn.suspend
Whether to lock screen with physlock just before suspend.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/physlock.nix>

services.physlock.muteKernelMessages
Disable kernel messages on console while physlock is running.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/physlock.nix>

services.picom.enable
Whether or not to enable Picom as the X.org composite manager.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/x11/picom.nix>

services.picom.package
The picom package to use.

Type: package

Default:

```
pkgs.picom
```

Declared by:
<nixpkgs/nixos/modules/services/x11/picom.nix>

services.picom.activeOpacity
Opacity of active windows.

Type: integer or floating point number between 0 and 1 (both inclusive)

Default:

```
1.0
```

Example:

```
0.8
```

Declared by:
<nixpkgs/nixos/modules/services/x11/picom.nix>

services.picom.backend
Backend to use: ‘egl’, ‘glx’, ‘xrender’ or ‘xr_glx_hybrid’.

Type: one of “egl”, “glx”, “xrender”, “xr_glx_hybrid”

Default:

```
"xrender"
```

Declared by:
<nixpkgs/nixos/modules/services/x11/picom.nix>

services.picom.fade
Fade windows in and out.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/x11/picom.nix>

services.picom.fadeDelta
Time between fade animation step (in ms).

Type: positive integer, meaning >0

Default:

```
10
```

Example:

```
5
```

Declared by:
<nixpkgs/nixos/modules/services/x11/picom.nix>

services.picom.fadeExclude
List of conditions of windows that should not be faded. See **picom**(1) man page for more examples.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "window_type *= 'menu'"
  "name ~= 'Firefox$'"
  "focused = 1"
]
```

Declared by:
<nixpkgs/nixos/modules/services/x11/picom.nix>

services.picom.fadeSteps
Opacity change between fade steps (in and out).

Type: pair of integer or floating point number between 0.01 and 1 (both inclusive)

Default:

```
[
  0.028
  0.03
]
```

Example:

```
[
  0.04
  0.04
]
```

Declared by:
<nixpkgs/nixos/modules/services/x11/picom.nix>

services.picom.inactiveOpacity
Opacity of inactive windows.

Type: integer or floating point number between 0.1 and 1 (both inclusive)

Default:

```
1.0
```

Example:

```
0.8
```

Declared by:
<nixpkgs/nixos/modules/services/x11/picom.nix>

services.picom.menuOpacity

Opacity of dropdown and popup menu.

Type: integer or floating point number between 0 and 1 (both inclusive)

Default:

```
1.0
```

Example:

```
0.8
```

Declared by:

<nixpkgs/nixos/modules/services/x11/picom.nix>

services.picom.opacityRules

Rules that control the opacity of windows, in format PERCENT:PATTERN.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "95:class_g = 'URxvt' && !_NET_WM_STATE@:32a"
  "0:_NET_WM_STATE@:32a *= '_NET_WM_STATE_HIDDEN'"
]
```

Declared by:

<nixpkgs/nixos/modules/services/x11/picom.nix>

services.picom.settings

Picom settings. Use this option to configure Picom settings not exposed in a NixOS option or to bypass one. For the available options see the CONFIGURATION FILES section at **picom**(1).

Type: libconfig configuration. The format consists of an attributes set (called a group) of settings. Each setting can be a scalar type (boolean, integer, floating point number or string), a list of scalars or a group itself

Default:

```
{ }
```

Example:

```
blur =
  { method = "gaussian";
    size = 10;
    deviation = 5.0;
  };
```

Declared by:

<nixpkgs/nixos/modules/services/x11/picom.nix>

services.picom.shadow

Draw window shadows.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/x11/picom.nix>

services.picom.shadowExclude
List of conditions of windows that should have no shadow. See **picom**(1) man page for more examples.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "window_type *= 'menu'"
  "name ~= 'Firefox$'"
  "focused = 1"
]
```

Declared by:
<nixpkgs/nixos/modules/services/x11/picom.nix>

services.picom.shadowOffsets
Left and right offset for shadows (in pixels).

Type: pair of signed integer

Default:

```
[
  -15
  -15
]
```

Example:

```
[
  -10
  -15
]
```

Declared by:
<nixpkgs/nixos/modules/services/x11/picom.nix>

services.picom.shadowOpacity
Window shadows opacity.

Type: integer or floating point number between 0 and 1 (both inclusive)

Default:

```
0.75
```

Example:

```
0.8
```

Declared by:
<nixpkgs/nixos/modules/services/x11/picom.nix>

services.picom.vSync

Enable vertical synchronization. Chooses the best method (drm, opengl, opengl−oml, opengl−swc, opengl−mswc) automatically. The bool value should be used, the others are just for backwards compatibility.

Type: boolean or one of “none”, “drm”, “opengl”, “opengl−oml”, “opengl−swc”, “opengl−mswc”

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/x11/picom.nix>

services.picom.wintypes

Rules for specific window types.

Type: attribute set

Default:

```
{
  popup_menu = { opacity = config.services.picom.menuOpacity; };
  dropdown_menu = { opacity = config.services.picom.menuOpacity; };
}
```

Example:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/x11/picom.nix>

services.picosnitch.enable

Whether to enable picosnitch daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/picosnitch.nix>

services.pict−rs.enable

Whether to enable pict−rs server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/pict−rs.nix>

services.pict−rs.package
The pict−rs package to use.

Type: package

Default:

```
pkgs.pict−rs
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pict−rs.nix>

services.pict−rs.address
The IPv4 address to deploy the service to.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pict−rs.nix>

services.pict−rs.dataDir
The directory where to store the uploaded images & database.

Type: absolute path

Default:

```
"/var/lib/pict−rs"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pict−rs.nix>

services.pict−rs.port
The port which to bind the service to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pict−rs.nix>

services.pict−rs.repoPath
The directory where to store the database. This option takes precedence over dataDir.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pict−rs.nix>

services.pict−rs.storePath
The directory where to store the uploaded images. This option takes precedence over dataDir.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pict−rs.nix>

services.pid−fan−controller.enable
Whether to enable the PID fan controller, which controls the configured fans by running a closed−loop PID control loop.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/pid−fan−controller.nix>

services.pid−fan−controller.package
The pid−fan−controller package to use.

Type: package

Default:

```
pkgs.pid−fan−controller
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/pid−fan−controller.nix>

services.pid−fan−controller.settings
Configuration for pid−fan−controller, see **https://github.com/zimward/pid−fan−controller** for supported values.

Type: open submodule of (JSON value or list of (JSON value))

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/pid−fan−controller.nix>

services.pihole−ftl.enable
Whether to enable Pi−hole FTL.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pihole−ftl.nix>

services.pihole−ftl.package
The pihole−ftl package to use.

Type: package

Default:

```
pkgs.pihole−ftl
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pihole-ftl.nix>

services.pihole-ftl.group
Group to run the service as.

Type: string

Default:

```
"pihole"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pihole-ftl.nix>

services.pihole-ftl.lists
Deny (or allow) domain lists to use

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    url = "https://raw.githubusercontent.com/StevenBlack/hosts/mast \
er/hosts";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pihole-ftl.nix>

services.pihole-ftl.lists.*.enabled
Whether this list is enabled

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pihole-ftl.nix>

services.pihole-ftl.lists.*.description
Description of the list

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pihole-ftl.nix>

services.pihole-ftl.lists.*.type
Whether domains on this list should be explicitly allowed, or blocked

Type: one of “allow”, “block”

Default:

```
"block"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pihole-ftl.nix>

services.pihole-ftl.lists.*.url
URL of the domain list

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/pihole-ftl.nix>

services.pihole-ftl.logDirectory
Path for Pi-hole log files

Type: absolute path

Default:

```
"/var/log/pihole"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pihole-ftl.nix>

services.pihole-ftl.macvendorURL
URL from which to download the macvendor.db file.

Type: string

Default:

```
"https://ftl.pi-hole.net/macvendor.db"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pihole-ftl.nix>

services.pihole-ftl.openFirewallDHCP
Open ports in the firewall for pihole-FTL's DHCP server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pihole-ftl.nix>

services.pihole-ftl.openFirewallDNS
Open ports in the firewall for pihole-FTL's DNS server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pihole-ftl.nix>

services.pihole-ftl.openFirewallWebserver
Open ports in the firewall for pihole-FTL's webserver, as configured in 'settings.webserver.port'.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pihole−ftl.nix>

services.pihole−ftl.piholePackage
The pihole package to use.

Type: package

Default:

```
pkgs.pihole
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pihole−ftl.nix>

services.pihole−ftl.privacyLevel
Level of detail in generated statistics. 0 enables full statistics, 3 shows only anonymous statistics.

See **the documentation**.

Also see services.dnsmasq.settings.log−queries to completely disable query logging.

Type: integer or floating point number between 0 and 3 (both inclusive)

Default:

Example:

```
3
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pihole−ftl.nix>

services.pihole−ftl.queryLogDeleter.enable
Whether to enable Pi−hole FTL DNS query log deleter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pihole−ftl.nix>

services.pihole−ftl.queryLogDeleter.age
Delete DNS query logs older than this many days, if **services.pihole-ftl.queryLogDeleter.enable** is on.

Type: signed integer

Default:

```
90
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pihole−ftl.nix>

services.pihole−ftl.queryLogDeleter.interval
How often the query log deleter is run. See systemd.time(7) for more information about the format.

Type: string

Default:

```
"weekly"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pihole−ftl.nix>

services.pihole−ftl.settings
Configuration options for pihole.toml. See the upstream **documentation**.

Type: TOML value

Declared by:
<nixpkgs/nixos/modules/services/networking/pihole−ftl.nix>

services.pihole−ftl.stateDirectory
Path for pihole state files.

Type: absolute path

Default:

```
"/var/lib/pihole"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pihole−ftl.nix>

services.pihole−ftl.useDnsmasqConfig
Import options defined in **services.dnsmasq.settings** via misc.dnsmasq_lines in Pi−hole's config.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pihole−ftl.nix>

services.pihole−ftl.user
User to run the service as.

Type: string

Default:

```
"pihole"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pihole−ftl.nix>

services.pihole−web.enable
Whether to enable Pi−hole dashboard.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pihole−web.nix>

services.pihole−web.package
The pihole−web package to use.

Type: package

Default:

```
pkgs.pihole-web
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/pihole-web.nix>

services.pihole-web.hostName
Domain name for the website.

Type: string

Default:

```
"pi.hole"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/pihole-web.nix>

services.pihole-web.ports
Port(s) for the webserver to serve on.

If provided as a string, optionally append suffixes to control behaviour:

- 'o': to make the port is optional − failure to bind will not be an error.
- 's': for the port to be used for SSL.
- 'r': for a non-SSL port to redirect to the first available SSL port.

Type: list of (16 bit unsigned integer; between 0 and 65535 (both inclusive) or string or (submodule))

Default:

```
[ ]
```

Example:

```
[
  "80r"
  "443s"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/pihole-web.nix>

services.pinchflat.enable
Whether to enable pinchflat.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/pinchflat.nix>

services.pinchflat.package
The pinchflat package to use.

Type: package

Default:

```
pkgs.pinchflat
```

Declared by:
<nixpkgs/nixos/modules/services/misc/pinchflat.nix>

services.pinchflat.extraConfig
The configuration of Pinchflat is handled through environment variables. The available configuration options can be found in **the Pinchflat README**.

Type: attribute set of (null or boolean or signed integer or string)

Default:

```
{ }
```

Example:

```
{
  YT_DLP_WORKER_CONCURRENCY = 1;
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/pinchflat.nix>

services.pinchflat.group
Group under which Pinchflat runs.

Type: string

Default:

```
"pinchflat"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/pinchflat.nix>

services.pinchflat.logLevel
Log level for Pinchflat.

Type: one of “debug”, “info”, “warning”, “error”

Default:

```
"info"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/pinchflat.nix>

services.pinchflat.mediaDir
The directory into which Pinchflat downloads videos.

Type: absolute path

Default:

```
"/var/lib/pinchflat/media"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/pinchflat.nix>

services.pinchflat.openFirewall
Open ports in the firewall for the Pinchflat web interface

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/pinchflat.nix>

services.pinchflat.port
Port on which the Pinchflat web interface is available.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8945
```

Declared by:
<nixpkgs/nixos/modules/services/misc/pinchflat.nix>

services.pinchflat.secretsFile
Secrets like **SECRET_KEY_BASE** and **BASIC_AUTH_PASSWORD** should be passed to the service without adding them to the world−readable Nix store.

Note that either this file needs to be available on the host on which 'pinchflat' is running, or the option 'selfhosted' must be 'true'. Further, **SECRET_KEY_BASE** has a minimum length requirement of 64 bytes. One way to generate such a secret is to use 'openssl rand −hex 64'.

As an example, the contents of the file might look like this:

```
SECRET_KEY_BASE=...copy−paste a secret token here...
BASIC_AUTH_USERNAME=...basic auth username...
BASIC_AUTH_PASSWORD=...basic auth password...
```

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/pinchflat"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/pinchflat.nix>

services.pinchflat.selfhosted
Use a weak secret. If true, you are not required to provide a **SECRET_KEY_BASE** through the 'secretsFile' option. Do not use this option in production!

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/pinchflat.nix>

services.pinchflat.user
User account under which Pinchflat runs.

Type: string

Default:

```
"pinchflat"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/pinchflat.nix>

services.pinnwand.enable

Whether to enable Pinnwand, a pastebin.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/pinnwand.nix>

services.pinnwand.port

The port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8000
```

Declared by:

<nixpkgs/nixos/modules/services/misc/pinnwand.nix>

services.pinnwand.settings

Your *pinnwand.toml* as a Nix attribute set. Look up possible options in the **documentation**.

Type: open submodule of (TOML value)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/misc/pinnwand.nix>

services.pinnwand.settings.database_uri

Database URI compatible with **SQLAlchemy**.

Additional packages may need to be introduced into the environment for certain databases.

Type: string

Default:

```
"sqlite:////var/lib/pinnwand/pinnwand.db"
```

Example:

```
"sqlite:///:memory"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/pinnwand.nix>

services.pinnwand.settings.footer

The footer in raw HTML.

Type: string

Default:

```
  View <a href="//github.com/supakeen/pinnwand" target="_BLANK">sou \
rce code</a>, the <a href="/removal">removal</a> or <a href="/expir \
y">expiry</a> stories, or read the <a href="/about">about</a> page.
```

Declared by:
<nixpkgs/nixos/modules/services/misc/pinnwand.nix>

services.pinnwand.settings.paste_help
Raw HTML help text shown in the header area.

Type: string

Default:

```
  <p>Welcome to pinnwand, this site is a pastebin. It allows you to \
 share code with others. If you write code in the text area below a \
nd press the paste button you will be given a link you can share wi \
th others so they can view your code as well.</p><p>People with the \
 link can view your pasted code, only you can remove your paste and \
 it expires automatically. Note that anyone could guess the URI to  \
your paste so don't rely on it being private.</p>
```

Declared by:
<nixpkgs/nixos/modules/services/misc/pinnwand.nix>

services.pinnwand.settings.paste_size
Maximum size of a paste in bytes.

Type: positive integer, meaning >0

Default:

```
262144
```

Example:

```
524288
```

Declared by:
<nixpkgs/nixos/modules/services/misc/pinnwand.nix>

services.pipewire.enable
Whether to enable PipeWire service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/pipewire/pipewire.nix>

services.pipewire.package
The pipewire package to use.

Type: package

Default:

```
pkgs.pipewire
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/pipewire/pipewire.nix>

services.pipewire.alsa.enable

Whether to enable ALSA support.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/desktops/pipewire/pipewire.nix>

services.pipewire.alsa.support32Bit

Whether to enable 32−bit ALSA support on 64−bit systems.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/desktops/pipewire/pipewire.nix>

services.pipewire.audio.enable

Whether to use PipeWire as the primary sound server

Type: boolean

Default:

```
config.services.pipewire.alsa.enable || config.services.pipewire.ja \
ck.enable || config.services.pipewire.pulse.enable
```

Declared by:

<nixpkgs/nixos/modules/services/desktops/pipewire/pipewire.nix>

services.pipewire.configPackages

List of packages that provide PipeWire configuration, in the form of ‘share/pipewire/*/*.conf’ files.

LV2/LADSPA dependencies will be picked up from config packages automatically via ‘passthru.requiredLv2Packages’/‘passthru.requiredLadspaPackages’.

Type: list of package

Default:

```
[ ]
```

Example:

```
[
          (pkgs.writeTextDir "share/pipewire/pipewire.conf.d/10−lo \
opback.conf" ''
            context.modules = [
            {   name = libpipewire−module−loopback
                args = {
                  node.description = "Scarlett Focusrite Line 1"
                  capture.props = {
                      audio.position = [ FL ]
```

```
                        stream.dont-remix = true
                        node.target = "alsa_input.usb-Focusrite_Scar \
    lett_Solo_USB_Y7ZD17C24495BC-00.analog-stereo"
                        node.passive = true
                    }
                    playback.props = {
                        node.name = "SF_mono_in_1"
                        media.class = "Audio/Source"
                        audio.position = [ MONO ]
                    }
                }
            }
            ]
          ''')
        ]
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/pipewire/pipewire.nix>

services.pipewire.extraConfig.client

Additional configuration for the PipeWire client library, used by most applications.

Every item in this attrset becomes a separate drop-in file in '/etc/pipewire/client.conf.d'.

See the **PipeWire wiki** for examples.

Type: attribute set of (JSON value)

Default:

```
{ }
```

Example:

```
{
  "10-no-resample" = {
    "stream.properties" = {
      "resample.disable" = true;
    };
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/pipewire/pipewire.nix>

services.pipewire.extraConfig.jack

Additional configuration for the PipeWire JACK server and client library.

Every item in this attrset becomes a separate drop-in file in '/etc/pipewire/jack.conf.d'.

See the **PipeWire wiki** for examples.

Type: attribute set of (JSON value)

Default:

```
{ }
```

Example:

```
{
  "20-hide-midi" = {
    "jack.properties" = {
      "jack.show-midi" = false;
```

```
      };
    };
}
```

Declared by:

<nixpkgs/nixos/modules/services/desktops/pipewire/pipewire.nix>

services.pipewire.extraConfig.pipewire

Additional configuration for the PipeWire server.

Every item in this attrset becomes a separate drop−in file in '/etc/pipewire/pipewire.conf.d'.

See 'man pipewire.conf' for details, and **the PipeWire wiki** for examples.

See also:

- **PipeWire wiki − virtual devices** for creating virtual devices or remapping channels
- **PipeWire wiki − filter−chain** for creating more complex processing pipelines
- **PipeWire wiki − network** for streaming audio over a network

Type: attribute set of (JSON value)

Default:

```
{ }
```

Example:

```
{
  "10-clock-rate" = {
    "context.properties" = {
      "default.clock.rate" = 44100;
    };
  };
  "11-no-upmixing" = {
    "stream.properties" = {
      "channelmix.upmix" = false;
    };
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/desktops/pipewire/pipewire.nix>

services.pipewire.extraConfig.pipewire−pulse

Additional configuration for the PipeWire PulseAudio server.

Every item in this attrset becomes a separate drop−in file in '/etc/pipewire/pipewire−pulse.conf.d'.

See 'man pipewire−pulse.conf' for details, and **the PipeWire wiki** for examples.

See also:

- **PipeWire wiki − PulseAudio tricks guide** for more examples.

Type: attribute set of (JSON value)

Default:

```
{ }
```

Example:

```
{
  "15-force-s16-info" = {
    "pulse.rules" = [
```

```
          {
            actions = {
              quirks = [
                "force-s16-info"
              ];
            };
            matches = [
              {
                "application.process.binary" = "my-broken-app";
              }
            ];
          }
        ];
      };
    }
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/pipewire/pipewire.nix>

services.pipewire.extraLadspaPackages
List of packages that provide LADSPA plugins in 'lib/ladspa' that should be made available to PipeWire for **filter chains**.

Config packages have their required LADSPA plugins added automatically, so they don't need to be specified here. Config packages need to set 'passthru.requiredLadspaPackages' for this to work.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.noisetorch-ladspa ]
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/pipewire/pipewire.nix>

services.pipewire.extraLv2Packages
List of packages that provide LV2 plugins in 'lib/lv2' that should be made available to PipeWire for **filter chains**.

Config packages have their required LV2 plugins added automatically, so they don't need to be specified here. Config packages need to set 'passthru.requiredLv2Packages' for this to work.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.lsp-plugins ]
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/pipewire/pipewire.nix>

services.pipewire.jack.enable

Whether to enable JACK audio emulation.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/desktops/pipewire/pipewire.nix>

services.pipewire.pulse.enable

Whether to enable PulseAudio server emulation.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/desktops/pipewire/pipewire.nix>

services.pipewire.raopOpenFirewall

Opens UDP/6001−6002, required by RAOP/Airplay for timing and control data.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/desktops/pipewire/pipewire.nix>

services.pipewire.socketActivation

Automatically run PipeWire when connections are made to the PipeWire socket.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/desktops/pipewire/pipewire.nix>

services.pipewire.systemWide

If true, a system−wide PipeWire service and socket is enabled allowing all users in the “pipewire” group to use it simultaneously. If false, then user units are used instead, restricting access to only one user.

Enabling system−wide PipeWire is however not recommended and disabled by default according to https://github.com/PipeWire/pipewire/blob/0.3.11/NEWS#L14−L16

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/pipewire/pipewire.nix>

services.pipewire.wireplumber.enable
Whether to enable WirePlumber, a modular session / policy manager for PipeWire

Type: boolean

Default:

```
config.services.pipewire.enable
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/pipewire/wireplumber.nix>

services.pipewire.wireplumber.package
The WirePlumber derivation to use.

Type: package

Default:

```
pkgs.wireplumber
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/pipewire/wireplumber.nix>

services.pipewire.wireplumber.configPackages
List of packages that provide WirePlumber configuration, in the form of ‘share/wireplumber/*/*.conf’ files.

LV2/LADSPA dependencies will be picked up from config packages automatically via ‘passthru.requiredLv2Packages’/‘passthru.requiredLadspaPackages’.

Type: list of package

Default:

```
[ ]
```

Example:

```
[
  (pkgs.writeTextDir "share/wireplumber/wireplumber.conf.d/10-blue \
z.conf" ''
    monitor.bluez.properties = {
      bluez5.roles = [ a2dp_sink a2dp_source bap_sink bap_source hs \
p_hs hsp_ag hfp_hf hfp_ag ]
      bluez5.codecs = [ sbc sbc_xq aac ]
      bluez5.enable-sbc-xq = true
      bluez5.hfphsp-backend = "native"
    }
  '')
]
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/pipewire/wireplumber.nix>

services.pipewire.wireplumber.extraConfig
Additional configuration for the WirePlumber daemon when run in single-instance mode (the default in nixpkgs and currently the only supported way to run WirePlumber configured via ‘extraConfig’).

See also:

- **The configuration file**
- **Modifying configuration**

- **Locations of files**
- and the **configuration section** of the docs in general

Note that WirePlumber (and PipeWire) use dotted attribute names like ‘device.product.id’. These are not nested, but flat objects for WirePlumber/PipeWire, so to write these in nix expressions, remember to quote them like ‘"device.product.id"’. Have a look at the example for this.

Type: attribute set of attribute set of (JSON value)

Default:

```
{ }
```

Example:

```
{
  "log-level-debug" = {
    "context.properties" = {
      # Output Debug log messages as opposed to only the default le \
vel (Notice)
      "log.level" = "D";
    };
  };
  "wh-1000xm3-ldac-hq" = {
    "monitor.bluez.rules" = [
      {
        matches = [
          {
            # Match any bluetooth device with ids equal to that of  \
a WH-1000XM3
            "device.name" = "~bluez_card.*";
            "device.product.id" = "0x0cd3";
            "device.vendor.id" = "usb:054c";
          }
        ];
        actions = {
          update-props = {
            # Set quality to high quality instead of the default of \
 auto
            "bluez5.a2dp.ldac.quality" = "hq";
          };
        };
      }
    ];
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/desktops/pipewire/wireplumber.nix>

services.pipewire.wireplumber.extraLadspaPackages

List of packages that provide LADSPA plugins in ‘lib/ladspa’ that should be made available to WirePlumber for **filter chains**.

Config packages have their required LADSPA plugins added automatically, so they don’t need to be specified here. Config packages need to set ‘passthru.requiredLadspaPackages’ for this to work.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.noisetorch-ladspa ]
```

Declared by:

<nixpkgs/nixos/modules/services/desktops/pipewire/wireplumber.nix>

services.pipewire.wireplumber.extraLv2Packages

List of packages that provide LV2 plugins in 'lib/lv2' that should be made available to WirePlumber for **filter chains**.

Config packages have their required LV2 plugins added automatically, so they don't need to be specified here. Config packages need to set 'passthru.requiredLv2Packages' for this to work.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.lsp-plugins ]
```

Declared by:

<nixpkgs/nixos/modules/services/desktops/pipewire/wireplumber.nix>

services.pipewire.wireplumber.extraScripts

Additional scripts for WirePlumber to be used by configuration files.

Every item in this attrset becomes a separate lua file with the path relative to the 'scripts' directory specified in the name of the item. The scripts get passed to the WirePlumber service via the 'XDG_DATA_DIRS' variable. Scripts specified here are preferred over those shipped with WirePlumber if they occupy the same relative path.

For a script to be loaded, it needs to be specified as part of a component, and that component needs to be required by an active profile (e.g. 'main'). Components can be defined in config files either via 'extraConfig' or 'configPackages'.

For the hello-world example, you'd have to add the following 'extraConfig':

```
services.pipewire.wireplumber.extraConfig."99-hello-world" = {
  "wireplumber.components" = [
    {
      name = "test/hello-world.lua";
      type = "script/lua";
      provides = "custom.hello-world";
    }
  ];
  "wireplumber.profiles" = {
    main = {
      "custom.hello-world" = "required";
    };
  };
};
```

See also:

- **Location of scripts**
- **Components & Profiles**
- **Migration − Loading custom scripts**

Type: attribute set of strings concatenated with “\n”

Default:

```
{ }
```

Example:

```
{
  "test/hello-world.lua" = ''
    print("Hello, world!")
  '';
}
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/pipewire/wireplumber.nix>

services.pixelfed.enable
Whether to enable a Pixelfed instance.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/pixelfed.nix>

services.pixelfed.package
The pixelfed package to use.

Type: package

Default:

```
pkgs.pixelfed
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/pixelfed.nix>

services.pixelfed.dataDir
State directory of the ‘pixelfed’ user which holds the application’s state and data.

Type: string

Default:

```
"/var/lib/pixelfed"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/pixelfed.nix>

services.pixelfed.database.automaticMigrations
Whether to enable automatic migrations for database schema and data.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.database.createLocally
Whether to enable a local database using UNIX socket authentication.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.database.name
Database name.

Type: string

Default:

```
"pixelfed"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.database.type
Database engine to use. Note that PGSQL is not well supported: **https://github.com/pixelfed/pixelfed/issues/2727**

Type: one of “mysql”, “pgsql”

Default:

```
"mysql"
```

Example:

```
"pgsql"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.domain
FQDN for the Pixelfed instance.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.group
Group account under which pixelfed runs.

Note
If left as the default value this group will automatically be created on system activation, otherwise you are responsible for ensuring the group exists before the pixelfed application starts.

Type: string

Default:

```
"pixelfed"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.maxUploadSize
Max upload size with units.

Type: string

Default:

```
"8M"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx
With this option, you can customize an nginx virtual host which already has sensible defaults for Pixelfed. Set to {} if you do not need any customization to the virtual host. If enabled, then by default, the **serverName** is '${domain}', If this is set to null (the default), no nginx virtualHost will be configured.

Type: null or (submodule)

Default:

```
null
```

Example:

```
{
  serverAliases = [
    "pics.${config.networking.domain}"
  ];
  enableACME = true;
  forceSSL = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.enableACME
Whether to ask Let's Encrypt to sign a certificate for this vhost. Alternately, you can use an existing certificate through **useACMEHost**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.acmeFallbackHost
Host which to proxy requests to if ACME challenge is not found. Useful if you want multiple hosts to be able to verify the same domain name.

With this option, you could request certificates for the present domain with an ACME client that is running on another host, which you would specify here.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.acmeRoot
Directory for the ACME challenge, which is **public**. Don’t put certs or keys in here. Set to null to inherit from config.security.acme.

Type: null or string

Default:

```
"/var/lib/acme/acme−challenge"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.addSSL
Whether to enable HTTPS in addition to plain HTTP. This will set defaults for ‘listen’ to listen on all interfaces on the respective default ports (80, 443).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.basicAuth
Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.basicAuthFile
Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.default
Makes this vhost the default.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.extraConfig
These lines go to the end of the vhost verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.forceSSL
Whether to add a separate nginx server block that redirects (defaults to 301, configurable with ‘redirectCode’) all plain HTTP traffic to HTTPS. This will set defaults for ‘listen’ to listen on all interfaces on the respective default ports (80, 443), where the non−SSL listens are used for the redirect vhosts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.globalRedirect
If set, all requests for this host are redirected (defaults to 301, configurable with ‘redirectCode’) to the given hostname.

Type: null or string

Default:

```
null
```

Example:

```
"newserver.example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.http2
Whether to enable the HTTP/2 protocol. Note that (as of writing) due to nginx’s implementation, to disable HTTP/2 you have to disable it on all vhosts that use a given IP address / port. If there is one server block configured to enable http2, then it is enabled for all server blocks on this IP. See **https://stackoverflow.com/a/39466948/263061**.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.http3
Whether to enable the HTTP/3 protocol. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that HTTP/3 support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/** HTTP/3 availability must be manually advertised, preferably in each location block.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.http3_hq
Whether to enable the HTTP/0.9 protocol negotiation used in QUIC interoperability tests. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that special application protocol support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.kTLS
Whether to enable kTLS support. Implementing TLS in the kernel (kTLS) improves performance by significantly reducing the need for copying operations between user space and the kernel. Required Nginx version 1.21.4 or later.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.listen
Listen addresses and ports for this virtual host. IPv6 addresses must be enclosed in square brackets. Note: this option overrides 'addSSL' and 'onlySSL'.

If you only want to set the addresses manually and not the ports, take a look at 'listenAddresses'.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    addr = "195.154.1.1";
    port = 443;
    ssl = true;
```

```
  }
  {
    addr = "192.154.1.1";
    port = 80;
  }
  {
    addr = "unix:/var/run/nginx.sock";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.listen.*.addr
Listen address.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.listen.*.extraParameters
Extra parameters of this listen directive.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "backlog=1024"
  "deferred"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.listen.*.port
Port number to listen on. If unset and the listen address is not a socket then nginx defaults to 80.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.listen.*.proxyProtocol
Enable PROXY protocol.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.listen.*.ssl

Enable SSL.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.listenAddresses

Listen addresses for this virtual host. Compared to ‘listen’ this only sets the addresses and the ports are chosen automatically.

Note: This option overrides ‘networking.enableIPv6’

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "127.0.0.1"
  "[::1]"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.locations

Declarative location config

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "/" = {
    proxyPass = "http://localhost:3000";
  };
};
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.locations.<name>.alias

Alias directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/alias/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.locations.<name>.basicAuth
Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.locations.<name>.basicAuthFile
Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.locations.<name>.extraConfig
These lines go to the end of the location verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.locations.<name>.fastcgiParams
FastCGI parameters to override. Unlike in the Nginx configuration file, overriding only some default parameters won’t unset the default values for other parameters.

Type: attribute set of (string or absolute path)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.locations.<name>.index
Adds index directive.

Type: null or string

Default:

```
null
```

Example:

```
"index.php index.html"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.locations.<name>.priority
Order of this location block in relation to the others in the vhost. The semantics are the same as with 'lib.mkOrder'. Smaller values have a greater priority.

Type: signed integer

Default:

```
1000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.locations.<name>.proxyPass
Adds proxy_pass directive and sets recommended proxy headers if recommendedProxySettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"http://www.example.org/"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.locations.<name>.proxyWebsockets
Whether to support proxying websocket connections with HTTP/1.1.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.locations.<name>.recommendedProxySettings
Enable recommended proxy settings.

Type: boolean

Default:

```
config.services.nginx.recommendedProxySettings
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.locations.<name>.recommendedUwsgiSettings
Enable recommended uwsgi settings.

Type: boolean

Default:

```
config.services.nginx.recommendedUwsgiSettings
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.locations.<name>.return
Adds a return directive, for e.g. redirections.

Type: null or string or signed integer

Default:

```
null
```

Example:

```
"301 http://example.com$request_uri"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.locations.<name>.root
Root directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/root/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.locations.<name>.tryFiles
Adds try_files directive.

Type: null or string

Default:

```
null
```

Example:

```
"$uri =404"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.locations.<name>.uwsgiPass
Adds uwsgi_pass directive and sets recommended proxy headers if recommendedUwsgiSettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"unix:/run/example/example.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.onlySSL
Whether to enable HTTPS and reject plain HTTP connections. This will set defaults for 'listen' to listen on all interfaces on port 443.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.quic
Whether to enable the QUIC transport protocol. Note that QUIC support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.redirectCode
HTTP status used by 'globalRedirect' and 'forceSSL'. Possible usecases include temporary (302, 307) redirects, keeping the request method and body (307, 308), or explicitly resetting the method to GET (303). See **https://developer.mozilla.org/en−US/docs/Web/HTTP/Redirections**.

Type: integer between 300 and 399 (both inclusive)

Default:

```
301
```

Example:

```
308
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.rejectSSL
Whether to listen for and reject all HTTPS connections to this vhost. Useful in **default** server blocks to avoid serving the certificate for another vhost. Uses the 'ssl_reject_handshake' directive available in nginx versions 1.19.4 and above.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.reuseport

Create an individual listening socket . It is required to specify only once on one of the hosts.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.root

The path of the web root directory.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/data/webserver/docs"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.serverAliases

Additional names of virtual hosts served by this virtual host configuration.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
  "example.org"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.serverName

Name of this virtual host. Defaults to attribute name in virtualHosts.

Type: null or string

Default:

```
null
```

Example:

```
"example.org"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.sslCertificate

Path to server SSL certificate.

Type: absolute path

Example:

```
"/var/host.cert"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.sslCertificateKey
Path to server SSL certificate key.

Type: absolute path

Example:

```
"/var/host.key"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.sslTrustedCertificate
Path to root SSL certificate for stapling and client certificates.

Type: null or absolute path

Default:

```
null
```

Example:

```
"${pkgs.cacert}/etc/ssl/certs/ca−bundle.crt"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.nginx.useACMEHost
A host of an existing Let's Encrypt certificate to use. This is useful if you have many subdomains and want to avoid hitting the **rate limit**. Alternately, you can generate a certificate through **enableACME**. *Note that this option does not create any certificates, nor it does add subdomains to existing ones – you will need to create them manually using* **security.acme.certs**[2].

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

2. see the **security.acme.certs** option

services.pixelfed.phpPackage
The php83 package to use.

Type: package

Default:

```
pkgs.php83
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.poolConfig
Options for Pixelfed's PHP−FPM pool.

Type: attribute set of (signed integer or string or boolean)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.redis.createLocally
Whether to enable a local Redis database using UNIX socket authentication.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.runtimeDir
Ruutime directory of the ‘pixelfed’ user which holds the application’s caches and temporary files.

Type: string

Default:

```
"/run/pixelfed"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.schedulerInterval
How often the Pixelfed cron task should run

Type: string

Default:

```
"1d"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.secretFile
A secret file to be sourced for the .env settings. Place ‘APP_KEY’ and other settings that should not end up in the Nix store here.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.settings
.env settings for Pixelfed. Secrets should use ‘secretFile’ option instead.

Type: attribute set of (boolean or signed integer or string)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixelfed.user

User account under which pixelfed runs.

> **Note**
> If left as the default value this user will automatically be created on system activation, otherwise you are responsible for ensuring the user exists before the pixelfed application starts.

Type: string

Default:

```
"pixelfed"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pixelfed.nix>

services.pixiecore.enable

Whether to enable Pixiecore.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pixiecore.nix>

services.pixiecore.apiServer

URI to connect to the API. Ignored unless mode is set to ‘api’

Type: string

Example:

```
"http://localhost:8080"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pixiecore.nix>

services.pixiecore.cmdLine

Kernel commandline arguments. Ignored unless mode is set to ‘boot’

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pixiecore.nix>

services.pixiecore.debug

Log more things that aren’t directly related to booting a recognized client

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pixiecore.nix>

services.pixiecore.dhcpNoBind

Handle DHCP traffic without binding to the DHCP server port

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/pixiecore.nix>

services.pixiecore.extraArguments

Additional command line arguments to pass to Pixiecore

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/pixiecore.nix>

services.pixiecore.initrd

Initrd path. Ignored unless mode is set to ‘boot’

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/networking/pixiecore.nix>

services.pixiecore.kernel

Kernel path. Ignored unless mode is set to ‘boot’

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/networking/pixiecore.nix>

services.pixiecore.listen

IPv4 address to listen on

Type: string

Default:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/pixiecore.nix>

services.pixiecore.mode

Which mode to use

Type: one of “api”, “boot”, “quick”

Default:

```
"boot"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pixiecore.nix>

services.pixiecore.openFirewall
Open ports (67, 69, 4011 UDP and ‘port’, ‘statusPort’ TCP) in the firewall for Pixiecore.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pixiecore.nix>

services.pixiecore.port
Port to listen on for HTTP

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
80
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pixiecore.nix>

services.pixiecore.quick
Which quick option to use

Type: one of “arch”, “centos”, “coreos”, “debian”, “fedora”, “ubuntu”, “xyz”

Default:

```
"xyz"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pixiecore.nix>

services.pixiecore.statusPort
HTTP port for status information (can be the same as −−port)

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
80
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pixiecore.nix>

services.plantuml−server.enable
Whether to enable PlantUML server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/plantuml−server.nix>

services.plantuml−server.package
The plantuml−server package to use.

Type: package

Default:

```
pkgs.plantuml−server
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/plantuml−server.nix>

services.plantuml−server.packages.jdk
The jdk package to use.

Type: package

Default:

```
pkgs.jdk
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/plantuml−server.nix>

services.plantuml−server.packages.jetty
The jetty package to use. At the time of writing (v1.2023.12), PlantUML Server does not support Jetty versions higher than 12.x.

Jetty 12.x has introduced major breaking changes, see **https://github.com/jetty/jetty.project/releases/tag/jetty−12.0.0** and **https://eclipse.dev/jetty/documentation/jetty−12/programming−guide/index.html#pg−migration−11−to−12**

Type: package

Default:

```
pkgs.jetty_11
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/plantuml−server.nix>

services.plantuml−server.graphvizPackage
The graphviz package to use.

Type: package

Default:

```
pkgs.graphviz
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/plantuml−server.nix>

services.plantuml−server.group
Group which runs PlantUML server.

Type: string

Default:

```
"plantuml"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/plantuml−server.nix>

services.plantuml−server.home
Home directory of the PlantUML server instance.

Type: absolute path

Default:

```
"/var/lib/plantuml"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/plantuml−server.nix>

services.plantuml−server.httpAuthorization
When calling the proxy endpoint, the value of HTTP_AUTHORIZATION will be used to set the HTTP Authorization header.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/plantuml−server.nix>

services.plantuml−server.listenHost
Host to listen on.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/plantuml−server.nix>

services.plantuml−server.listenPort
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/plantuml−server.nix>

services.plantuml−server.plantumlLimitSize
Limits image width and height.

Type: signed integer

Default:

```
4096
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/plantuml−server.nix>

services.plantuml−server.plantumlStats
Set it to on to enable statistics report (https://plantuml.com/statistics−report).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/plantuml−server.nix>

services.plantuml−server.user
User which runs PlantUML server.

Type: string

Default:

```
"plantuml"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/plantuml−server.nix>

services.plausible.enable
Whether to enable plausible.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/plausible.nix>

services.plausible.package
The plausible package to use.

Type: package

Default:

```
pkgs.plausible
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/plausible.nix>

services.plausible.database.clickhouse.setup
Whether to enable creating a clickhouse instance.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/plausible.nix>

services.plausible.database.clickhouse.url
The URL to be used to connect to ‘clickhouse’.

Type: string

Default:

```
"http://localhost:8123/default"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/plausible.nix>

services.plausible.database.postgres.dbname
Name of the database to use.

Type: string

Default:

```
"plausible"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/plausible.nix>

services.plausible.database.postgres.setup
Whether to enable creating a postgresql instance.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/plausible.nix>

services.plausible.database.postgres.socket
Path to the UNIX domain−socket to communicate with ‘postgres’.

Type: string

Default:

```
"/run/postgresql"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/plausible.nix>

services.plausible.mail.email
The email id to use for as *from* address of all communications from Plausible.

Type: string

Default:

```
"hello@plausible.local"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/plausible.nix>

services.plausible.mail.smtp.enableSSL
Whether to enable SSL when connecting to the SMTP server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/plausible.nix>

services.plausible.mail.smtp.hostAddr
The host address of your smtp server.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/plausible.nix>

services.plausible.mail.smtp.hostPort
The port of your smtp server.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
25
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/plausible.nix>

services.plausible.mail.smtp.passwordFile
The path to the file with the password in case SMTP auth is enabled.

Type: null or string or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/plausible.nix>

services.plausible.mail.smtp.retries
Number of retries to make until mailer gives up.

Type: unsigned integer, meaning >=0

Default:

```
2
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/plausible.nix>

services.plausible.mail.smtp.user
The username/email in case SMTP auth is enabled.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/plausible.nix>

services.plausible.server.baseUrl
Public URL where plausible is available.

Note that '/path' components are currently ignored: **https://github.com/plausible/analytics/issues/1182**.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/plausible.nix>

services.plausible.server.disableRegistration
Whether to prohibit creating an account in plausible's UI or allow on 'invite_only'.

Type: one of true, false, "invite_only"

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/plausible.nix>

services.plausible.server.listenAddress
The IP address on which the server is listening.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/plausible.nix>

services.plausible.server.port
Port where the service should be available.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/plausible.nix>

services.plausible.server.secretKeybaseFile
Path to the secret used by the 'phoenix'−framework. Instructions how to generate one are documented in the **framework docs**.

Type: absolute path or string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/plausible.nix>

services.playerctld.enable
Whether to enable the playerctld daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/playerctld.nix>

services.playerctld.package
The playerctl package to use.

Type: package

Default:

```
pkgs.playerctl
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/playerctld.nix>

services.pleroma.enable
Whether to enable pleroma.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pleroma.nix>

services.pleroma.package
The pleroma package to use.

Type: package

Default:

```
pkgs.pleroma
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pleroma.nix>

services.pleroma.configs
Pleroma public configuration.

This list gets appended from left to right into /etc/pleroma/config.exs. Elixir evaluates its configuration imperatively, meaning you can override a setting by appending a new str to this NixOS option list.

DO NOT STORE ANY PLEROMA SECRET HERE, use **services.pleroma.secretConfigFile** instead.

This setting is going to be stored in a file part of the Nix store. The Nix store being world−readable, it's not the right place to store any secret

Have a look to Pleroma section in the NixOS manual for more information.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pleroma.nix>

services.pleroma.group
Group account under which pleroma runs.

Type: string

Default:

```
"pleroma"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pleroma.nix>

services.pleroma.secretConfigFile
Path to the file containing your secret pleroma configuration.

DO NOT POINT THIS OPTION TO THE NIX STORE, the store being world−readable, it'll compromise all your secrets.

Type: string

Default:

```
"/var/lib/pleroma/secrets.exs"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pleroma.nix>

services.pleroma.stateDir
Directory where the pleroma service will save the uploads and static files.

Type: string *(read only)*

Default:

```
"/var/lib/pleroma"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pleroma.nix>

services.pleroma.user
User account under which pleroma runs.

Type: string

Default:

```
"pleroma"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pleroma.nix>

services.plex.enable
Whether to enable Plex Media Server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/plex.nix>

services.plex.package
The plex package to use. Plex subscribers may wish to use their own package here, pointing to subscriber−only server versions.

Type: package

Default:

```
pkgs.plex
```

Declared by:
<nixpkgs/nixos/modules/services/misc/plex.nix>

services.plex.accelerationDevices
A list of device paths to hardware acceleration devices that Plex should have access to. This is useful when transcoding media files. The special value ‘"*"’ will allow all devices.

Type: list of string

Default:

```
[
  "*"
]
```

Example:

```
[
  "/dev/dri/renderD128"
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/plex.nix>

services.plex.dataDir
The directory where Plex stores its data files.

Type: string

Default:

```
"/var/lib/plex"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/plex.nix>

services.plex.extraPlugins
A list of paths to extra plugin bundles to install in Plex’s plugin directory. Every time the systemd unit for Plex starts up, all of the symlinks in Plex’s plugin directory will be cleared and this module will symlink all of the paths specified here to that directory.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[
  (builtins.path {
    name = "Audnexus.bundle";
    path = pkgs.fetchFromGitHub {
      owner = "djdembeck";
      repo = "Audnexus.bundle";
      rev = "v0.2.8";
      sha256 = "sha256-IWOSz3vYL7zhdHan468xNc6C/eQ2C2BukQlaJNLXh7E \
="";
    };
  })
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/plex.nix>

services.plex.extraScanners
A list of paths to extra scanners to install in Plex's scanners directory.

Every time the systemd unit for Plex starts up, all of the symlinks in Plex's scanners directory will be cleared and this module will symlink all of the paths specified here to that directory.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[
  (fetchFromGitHub {
    owner = "ZeroQI";
    repo = "Absolute-Series-Scanner";
    rev = "773a39f502a1204b0b0255903cee4ed02c46fde0";
    sha256 = "4l+vpiDdC8L/EeJowUgYyB3JPNTZ1sauN8liFAcK+PY=";
  })
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/plex.nix>

services.plex.group
Group under which Plex runs.

Type: string

Default:

```
"plex"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/plex.nix>

services.plex.openFirewall
Open ports in the firewall for the media server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/plex.nix>

services.plex.user
User account under which Plex runs.

Type: string

Default:

```
"plex"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/plex.nix>

services.plikd.enable

Whether to enable plikd, a temporary file upload system.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/plikd.nix>

services.plikd.openFirewall

Open ports in the firewall for the plikd.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/plikd.nix>

services.plikd.settings

Configuration for plikd, see **https://github.com/root-gg/plik/blob/master/server/plikd.cfg** for supported values.

Type: TOML value

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/misc/plikd.nix>

services.pocket-id.enable

Whether to enable Pocket ID server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/security/pocket-id.nix>

services.pocket-id.package

The pocket-id package to use.

Type: package

Default:

```
pkgs.pocket-id
```

Declared by:

<nixpkgs/nixos/modules/services/security/pocket-id.nix>

services.pocket−id.credentials

Environment variables which are loaded from the contents of the specified file paths. This can be used to securely store tokens and secrets outside of the world−readable Nix store.

See **PocketID environment variables**.

Alternatively you can use ‘services.pocket−id.environmentFile’ to define all the variables in a single file.

Type: attribute set of absolute path

Default:

```
{ }
```

Example:

```
{
  ENCRYPTION_KEY = "/run/secrets/pocket−id/encryption−key";
}
```

Declared by:

<nixpkgs/nixos/modules/services/security/pocket−id.nix>

services.pocket−id.dataDir

The directory where Pocket ID will store its data, such as the database when using SQLite.

Type: absolute path

Default:

```
"/var/lib/pocket−id"
```

Declared by:

<nixpkgs/nixos/modules/services/security/pocket−id.nix>

services.pocket−id.environmentFile

Path to an environment file to be loaded. This can be used to securely store tokens and secrets outside of the world−readable Nix store.

See **PocketID environment variables**.

Example contents of the file: MAXMIND_LICENSE_KEY=your−license−key

Alternatively you can use ‘services.pocket−id.credentials’ to define each variable in separate files.

Type: absolute path

Default:

```
"/dev/null"
```

Example:

```
"/var/lib/secrets/pocket−id"
```

Declared by:

<nixpkgs/nixos/modules/services/security/pocket−id.nix>

services.pocket−id.group

Group account under which Pocket ID runs.

Type: string

Default:

```
"pocket−id"
```

Declared by:
<nixpkgs/nixos/modules/services/security/pocket-id.nix>

services.pocket-id.settings
Environment variables to be passed.

See **PocketID environment variables**.

Type: open submodule of attribute set of (atom (null, bool, int, float or string))

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/security/pocket-id.nix>

services.pocket-id.settings.ANALYTICS_DISABLED
Whether to disable analytics.

See the **analytics documentation**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/pocket-id.nix>

services.pocket-id.settings.APP_URL
The URL where you will access the app.

Type: string

Default:

```
"http://localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/security/pocket-id.nix>

services.pocket-id.settings.TRUST_PROXY
Whether the app is behind a reverse proxy.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/pocket-id.nix>

services.pocket-id.user
User account under which Pocket ID runs.

Type: string

Default:

```
"pocket-id"
```

Declared by:
<nixpkgs/nixos/modules/services/security/pocket-id.nix>

services.podgrab.enable

Whether to enable Podgrab, a self−hosted podcast manager.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/podgrab.nix>

services.podgrab.dataDirectory

Directory to store downloads.

Type: absolute path

Default:

```
"/var/lib/podgrab/data"
```

Example:

```
"/mnt/podcasts"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/podgrab.nix>

services.podgrab.group

Group under which Podgrab runs, and which owns the download directory.

Type: string

Default:

```
"podgrab"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/podgrab.nix>

services.podgrab.passwordFile

The path to a file containing the PASSWORD environment variable definition for Podgrab's authentication.

Type: null or string

Default:

```
null
```

Example:

```
"/run/secrets/password.env"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/podgrab.nix>

services.podgrab.port

The port on which Podgrab will listen for incoming HTTP traffic.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Example:

```
4242
```

Declared by:
<nixpkgs/nixos/modules/services/misc/podgrab.nix>

services.podgrab.user
User under which Podgrab runs, and which owns the download directory.

Type: string

Default:

```
"podgrab"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/podgrab.nix>

services.polaris.enable
Whether to enable Polaris Music Server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/polaris.nix>

services.polaris.package
The polaris package to use.

Type: package

Default:

```
pkgs.polaris
```

Declared by:
<nixpkgs/nixos/modules/services/misc/polaris.nix>

services.polaris.extraGroups
Polaris' auxiliary groups.

Type: list of string

Default:

```
[ ]
```

Example:

```
["media" "music"]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/polaris.nix>

services.polaris.group
Group under which Polaris is run.

Type: string

Default:

```
"polaris"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/polaris.nix>

services.polaris.openFirewall
Open the configured port in the firewall.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/polaris.nix>

services.polaris.port
The port which the Polaris REST api and web UI should listen to. Note: polaris is hardcoded to listen to the hostname “0.0.0.0”.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5050
```

Declared by:
<nixpkgs/nixos/modules/services/misc/polaris.nix>

services.polaris.settings
Contents for the TOML Polaris config, applied each start. Although poorly documented, an example may be found here: **test−config.toml**

Type: TOML value

Default:

```
{ }
```

Example:

```
{
  settings.reindex_every_n_seconds = 7*24*60*60; # weekly, default  \
is 1800
  settings.album_art_pattern =
    "(cover|front|folder)\.(jpeg|jpg|png|bmp|gif)";
  mount_dirs = [
    {
      name = "NAS";
      source = "/mnt/nas/music";
    }
    {
      name = "Local";
      source = "/home/my_user/Music";
    }
  ];
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/polaris.nix>

services.polaris.user

User account under which Polaris runs.

Type: string

Default:

```
"polaris"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/polaris.nix>

services.pomerium.enable

Whether to enable the Pomerium authenticating reverse proxy.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/pomerium.nix>

services.pomerium.configFile

Path to Pomerium config YAML. If set, overrides services.pomerium.settings.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/pomerium.nix>

services.pomerium.secretsFile

Path to file containing secrets for Pomerium, in systemd EnvironmentFile format. See the **systemd.exec**(5) man page.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/pomerium.nix>

services.pomerium.settings

The contents of Pomerium's config.yaml, in Nix expressions.

Specifying configFile will override this in its entirety.

See **the Pomerium configuration reference** for more information about what to put here.

Type: YAML 1.1 value

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/pomerium.nix>

services.pomerium.useACMEHost

If set, use a NixOS−generated ACME certificate with the specified name.

Note that this will require you to use a non−HTTP−based challenge, or disable Pomerium's in−built HTTP redirect server by setting http_redirect_addr to null and use a different HTTP server for serving the challenge response.

If you're using an HTTP−based challenge, you should use the Pomerium−native autocert option instead.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/pomerium.nix>

services.porn−vault.enable

Whether to enable Porn−Vault.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/porn−vault/default.nix>

services.porn−vault.package

The porn−vault package to use.

Type: package

Default:

```
pkgs.porn-vault
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/porn−vault/default.nix>

services.porn−vault.autoStart

Whether to start porn−vault automatically.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/porn−vault/default.nix>

services.porn−vault.openFirewall

Whether to open the Porn−Vault port in the firewall.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/porn−vault/default.nix>

services.porn−vault.port
Which port Porn−Vault will use.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/porn−vault/default.nix>

services.porn−vault.settings
Configuration for Porn−Vault. The attributes are serialized to JSON in config.json.

See **https://gitlab.com/porn−vault/porn−vault/−/blob/dev/config.example.json**

Type: JSON value

Default:

```
{
  auth = {
    password = null;
  };
  binaries = {
    ffmpeg = "ffmpeg";
    ffprobe = "ffprobe";
    imagemagick = {
      convertPath = "convert";
      identifyPath = "identify";
      montagePath = "montage";
    };
    izzyPort = 8000;
  };
  import = {
    images = [
      {
        enable = true;
        exclude = [ ];
        extensions = [
          ".jpg"
          ".jpeg"
          ".png"
          ".gif"
        ];
        include = [ ];
        path = "/media/porn-vault/images";
      }
    ];
    scanInterval = 10800000;
    videos = [
      {
        enable = true;
        exclude = [ ];
        extensions = [
```

```
        ".mp4"
        ".mov"
        ".webm"
      ];
      include = [ ];
      path = "/media/porn-vault/videos";
    }
  ];
};
log = {
  level = "debug";
  maxFiles = "5";
  maxSize = "20m";
  writeFile = [
    {
      level = "debug";
      prefix = "errors-";
      silent = false;
    }
  ];
};
matching = {
  applyActorLabels = [
    "event:actor:create"
    "event:actor:find-unmatched-scenes"
    "plugin:actor:create"
    "event:scene:create"
    "plugin:scene:create"
    "event:image:create"
    "plugin:marker:create"
    "event:marker:create"
  ];
  applySceneLabels = true;
  applyStudioLabels = [
    "event:studio:create"
    "event:studio:find-unmatched-scenes"
    "plugin:studio:create"
    "event:scene:create"
    "plugin:scene:create"
  ];
  extractSceneActorsFromFilepath = true;
  extractSceneLabelsFromFilepath = true;
  extractSceneMoviesFromFilepath = true;
  extractSceneStudiosFromFilepath = true;
  matchCreatedActors = true;
  matchCreatedLabels = true;
  matchCreatedStudios = true;
  matcher = {
    options = {
      camelCaseWordGroups = true;
      enableWordGroups = true;
      filepathSeparators = [
        "[/\\\\&]"
```

```
      ];
      groupSeparators = [
        "[\\s',()[\\]{}*\\.]"
      ];
      ignoreDiacritics = true;
      ignoreSingleNames = false;
      overlappingMatchPreference = "longest";
      wordSeparatorFallback = true;
      wordSeparators = [
        "[-_]"
      ];
    };
    type = "word";
  };
};
persistence = {
  backup = {
    enable = true;
    maxAmount = 10;
  };
  libraryPath = "/media/porn-vault/lib";
};
plugins = {
  allowActorThumbnailOverwrite = false;
  allowMovieThumbnailOverwrite = false;
  allowSceneThumbnailOverwrite = false;
  allowStudioThumbnailOverwrite = false;
  createMissingActors = false;
  createMissingLabels = false;
  createMissingMovies = false;
  createMissingStudios = false;
  events = {
    actorCreated = [ ];
    actorCustom = [ ];
    movieCustom = [ ];
    sceneCreated = [ ];
    sceneCustom = [ ];
    studioCreated = [ ];
    studioCustom = [ ];
  };
  markerDeduplicationThreshold = 5;
  register = { };
};
processing = {
  generateImageThumbnails = true;
  generatePreviews = true;
  readImagesOnImport = false;
};
server = {
  https = {
    certificate = "";
    enable = false;
    key = "";
```

```
      };
    };
    transcode = {
      h264 = {
        crf = 23;
        preset = "veryfast";
      };
      hwaDriver = null;
      vaapiDevice = "/dev/dri/renderD128";
      webm = {
        cpuUsed = 3;
        crf = 31;
        deadline = "realtime";
      };
    };
  }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/porn−vault/default.nix>

services.portunus.enable
Whether to enable Portunus, a self−contained user/group management and authentication service for LDAP.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/portunus.nix>

services.portunus.package
The portunus package to use.

Type: package

Default:

```
pkgs.portunus
```

Declared by:
<nixpkgs/nixos/modules/services/misc/portunus.nix>

services.portunus.dex.enable
Whether to enable Dex ldap connector.

To activate dex, first a search user must be created in the Portunus web ui and then the password must to be set as the 'DEX_SEARCH_USER_PASSWORD' environment variable in the **services.dex.environmentFile** setting .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/portunus.nix>

services.portunus.dex.oidcClients
List of OIDC clients.

The OIDC secret must be set as the 'DEX_CLIENT_${id}' environment variable in the **services.dex.environmentFile** setting.

Note
Make sure the id only contains characters that are allowed in an environment variable name, e.g. no –.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    callbackURL = "https://example.com/client/oidc/callback";
    id = "service";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/portunus.nix>

services.portunus.dex.oidcClients.*.callbackURL
URL where the OIDC client should redirect

Type: string

Declared by:
<nixpkgs/nixos/modules/services/misc/portunus.nix>

services.portunus.dex.oidcClients.*.id
ID of the OIDC client

Type: string

Declared by:
<nixpkgs/nixos/modules/services/misc/portunus.nix>

services.portunus.dex.port
Port where dex should listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5556
```

Declared by:
<nixpkgs/nixos/modules/services/misc/portunus.nix>

services.portunus.domain
Subdomain which gets reverse proxied to Portunus webserver.

Type: string

Example:

```
"sso.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/portunus.nix>

services.portunus.group
Group account under which Portunus runs its webserver.

Type: string

Default:

```
"portunus"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/portunus.nix>

services.portunus.ldap.package
The openldap package to use.

Type: package

Default:

```
pkgs.openldap
```

Declared by:
<nixpkgs/nixos/modules/services/misc/portunus.nix>

services.portunus.ldap.group
Group account under which Portunus runs its LDAP server.

Type: string

Default:

```
"openldap"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/portunus.nix>

services.portunus.ldap.searchUserName
The login name of the search user. This user account must be configured in Portunus either manually or via seeding.

Type: string

Default:

```
""
```

Example:

```
"admin"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/portunus.nix>

services.portunus.ldap.suffix
The DN of the topmost entry in your LDAP directory. Please refer to the Portunus documentation for more information on how this impacts the structure of the LDAP directory.

Type: string

Example:

```
"dc=example,dc=org"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/portunus.nix>

services.portunus.ldap.tls
Whether to enable LDAPS protocol. This also adds two entries to the '/etc/hosts' file to point **services.portunus.domain** to localhost, so that CLIs and programs can use ldaps protocol and verify the certificate without opening the firewall port for the protocol.

This requires a TLS certificate for **services.portunus.domain** to be configured via **security.acme.certs**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/portunus.nix>

services.portunus.ldap.user
User account under which Portunus runs its LDAP server.

Type: string

Default:

```
"openldap"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/portunus.nix>

services.portunus.port
Port where the Portunus webserver should listen on.

This must be put behind a TLS−capable reverse proxy because Portunus only listens on localhost.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/misc/portunus.nix>

services.portunus.seedPath
Path to a portunus seed file in json format. See **https://github.com/majewsky/portunus#seeding−users−and−groups−from−static−configuration** for available options.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/portunus.nix>

services.portunus.seedSettings
Seed settings for users and groups. See upstream for format **https://github.com/majewsky/portunus#seeding−users−and−groups−from−static−configuration**

Type: null or (attribute set of list of attribute set of anything)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/portunus.nix>

services.portunus.stateDir
Path where Portunus stores its state.

Type: absolute path

Default:

```
"/var/lib/portunus"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/portunus.nix>

services.portunus.user
User account under which Portunus runs its webserver.

Type: string

Default:

```
"portunus"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/portunus.nix>

services.porxie.enable
Whether to enable Porxie, an ATProto blob proxy for secure content delivery.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/porxie.nix>

services.porxie.package
The porxie package to use.

Type: package

Default:

```
pkgs.porxie
```

Declared by:
<nixpkgs/nixos/modules/services/networking/porxie.nix>

services.porxie.environmentFiles
Files to load environment variables from. Use for secrets such as **PORXIE_SERVER_ADMIN_PASSWORD** and **PORXIE_POLICY_REQUEST_HEADERS**.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/porxie.nix>

services.porxie.settings

Configuration for Porxie as environment variables. See the **README** for detailed information about application configuration.

Secrets such as **settings.PORXIE_SERVER_ADMIN_PASSWORD** should be set via **environmentFiles** rather than here, as values set here will be readable in the Nix store.

Type: open submodule of attribute set of (null or string or boolean or signed integer)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/porxie.nix>

services.porxie.settings.PORXIE_BLOB_ALLOWED_MIMETYPES

Blob MIME types that can be served.

Validation is done loosely via content inference. Further validation can be done by a layer above this proxy, such as an image transformation service. When inference fails, the blob's type falls back to 'application/octet−stream'. When that type is allowed, blobs failing inference can still be served.

Type: null or (list of string)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/porxie.nix>

services.porxie.settings.PORXIE_BLOB_CACHE_HEADER

The 'Cache−Control' header value to send alongside blob responses.

This does not affect internal cache lifetimes, only how downstream clients such as CDNs and browsers are instructed to cache responses. Intermediary caches may need to be cleared manually for changes to take effect quickly.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/porxie.nix>

services.porxie.settings.PORXIE_BLOB_HTTP_CONNECT_TIMEOUT

Maximum duration before an attempted connection to a blob upstream is aborted.

This value should be lower than **settings.PORXIE_BLOB_HTTP_TIMEOUT**.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/porxie.nix>

services.porxie.settings.PORXIE_BLOB_HTTP_TIMEOUT
Maximum duration before blob fetch requests are timed out.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/porxie.nix>

services.porxie.settings.PORXIE_BLOB_MAX_SIZE
Maximum blob size that can be fetched and served.

Blobs that exceed this limit will return HTTP 413. The minimum value is 512kb and the maximum is the system's total memory.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/porxie.nix>

services.porxie.settings.PORXIE_BLOB_PROCESSING_TIMEOUT
Maximum duration a blob can be processed by this server before aborting.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/porxie.nix>

services.porxie.settings.PORXIE_CACHE_ALLOCATION
Total memory allocation for the internal cache.

Blobs are cached using an LFU policy. The most frequently requested blobs are kept longest when the cache approaches its limit.

For production deployments, a CDN or caching layer in front of this server is recommended for lower latency and better global availability.

The minimum value is 8mb and the maximum is the system's total memory.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/porxie.nix>

services.porxie.settings.PORXIE_CACHE_BLOB_TTI
How long blobs can be idle in the cache before expiring.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/porxie.nix>

services.porxie.settings.PORXIE_CACHE_IDENTITY_TTL
How long identity lookups (DID resolution, etc.) can be cached before expiring.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/porxie.nix>

services.porxie.settings.PORXIE_CACHE_OWNERSHIP_TTL
How long blob ownership can be cached before expiring.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/porxie.nix>

services.porxie.settings.PORXIE_CACHE_POLICY_TTL
How long policy decisions can be cached before expiring.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/porxie.nix>

services.porxie.settings.PORXIE_IDENTITY_HTTP_CONNECT_TIMEOUT
Maximum duration before a connection attempt to an identity upstream is aborted.

This value should be lower than **settings.PORXIE_IDENTITY_HTTP_TIMEOUT**.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/porxie.nix>

services.porxie.settings.PORXIE_IDENTITY_HTTP_TIMEOUT
Maximum duration before identity resolution requests are timed out.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/porxie.nix>

services.porxie.settings.PORXIE_IDENTITY_PLC_URL
URL of the PLC instance used for 'did:plc' lookups.

Can typically be left as default unless using a custom or local development setup.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/porxie.nix>

services.porxie.settings.PORXIE_POLICY_FAIL_OPEN
Allow requests to proceed if the policy service is unavailable.

Warning: enabling this means restricted blobs may be served when the policy service is unreachable.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/porxie.nix>

services.porxie.settings.PORXIE_POLICY_HTTP_CONNECT_TIMEOUT
Maximum duration before an attempted connection to the policy service is aborted.

This value should be lower than **settings.PORXIE_POLICY_HTTP_TIMEOUT**.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/porxie.nix>

services.porxie.settings.PORXIE_POLICY_HTTP_TIMEOUT
Maximum duration before policy service requests are timed out.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/porxie.nix>

services.porxie.settings.PORXIE_POLICY_REQUEST_HEADERS
Headers sent alongside all requests to the policy service. Each header must be in the format 'Name: value'.

As pipes are used as a delimiter, they cannot be contained in header values.

Should be set via **environmentFiles** for sensitive values such as API keys.

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/porxie.nix>

services.porxie.settings.PORXIE_POLICY_URL
Policy service URL that DID+CID pairs will be checked against.

Requests are sent via XRPC to '<url>/xrpc/dev.blooym.porxie.getBlobPolicy?did=<did>&cid=<cid>'.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/porxie.nix>

services.porxie.settings.PORXIE_SERVER_ADDRESS
Address to bind the server to.

Use the 'ip:' prefix for an IP address (e.g. 'ip:127.0.0.1:6314'), or on UNIX systems, the 'unix:' prefix for a UNIX socket path (e.g. 'unix:/run/porxie/porxie.sock').

Type: string

Default:

```
"ip:127.0.0.1:6314"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/porxie.nix>

services.porxie.settings.PORXIE_SERVER_ADMIN_PASSWORD
Admin password for authenticating privileged requests.

When unset, all authenticated endpoints will reject requests with HTTP 401.

Authenticated requests always expect the username 'admin' as per specification.

Should be set via **environmentFiles** rather than directly.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/porxie.nix>

services.postfix.enable
Whether to run the Postfix mail server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.enableHeaderChecks
Whether to enable postfix header checks

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.enableSmtp

Whether to enable the ‘smtp’ service configured in the master.cf.

This service listens for plain text SMTP connections on port 25 and supports explicit TLS via StartTLS.

It is the primary port used by SMTP servers to exchange mail.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.enableSubmission

```
      Whether to enable the ‘submission‘ service configured in mast \
er.cf.
      This service listens for plain text SMTP connections on port  \
587
      and supports explicit TLS via StartTLS.
      It is a way for clients to login and submit mails after an in \
band
      connection upgrade using StartTLS.
      ::: {.warning}
      [RFC 8314](https://www.rfc-editor.org/rfc/rfc8314) discourag \
es the use
      of explicit TLS for mail submissionn.
      :::
```

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.enableSubmissions

Whether to enable the ‘submissions’ service configured in master.cf.

This service listen for implicit TLS connections on port 465.

::: {.info} Per **RFC 8314** implicit TLS is recommended for mail submission. :::

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.package

The postfix package to use.

Type: package

Default:

```
pkgs.postfix
```

Declared by:

<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.aliasFiles

Aliases' tables to be compiled and placed into /var/lib/postfix/conf.

Type: attribute set of absolute path

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.aliasMapType

The format the alias map should have. Use regexp if you want to use regular expressions.

Type: one of "hash", "regexp", "pcre"

Default:

```
"hash"
```

Example:

```
"regexp"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.canonical

Entries for the **canonical**(5) table.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.dnsBlacklistOverrides

contents of check_client_access for overriding dnsBlacklists

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.dnsBlacklists
dns blacklist servers to use with smtpd_client_restrictions

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.extraAliases
Additional entries to put verbatim into aliases file, cf. man−page **aliases**(8).

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.extraHeaderChecks
Extra lines to /etc/postfix/header_checks file.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
"/^X−Spam−Flag:/ REDIRECT spam@example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.extraMasterConf
Extra lines to append to the generated master.cf file.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
"submission inet n − n − − smtpd"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.group
What to call the Postfix group (must be used only for postfix).

Type: string

Default:

```
"postfix"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.headerChecks

Postfix header checks.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    action = "REDIRECT spam@example.com";
    pattern = "/^X-Spam-Flag:/";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.headerChecks.*.action

The action to be executed when the pattern is matched

Type: string

Default:

```
"DUNNO"
```

Example:

```
"BCC mail@example.com"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.headerChecks.*.pattern

A regexp pattern matching the header

Type: string

Default:

```
"/^.*/"
```

Example:

```
"/^X-Mailer:/"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.localRecipients

List of accepted local users. Specify a bare username, an ‘"@domain.tld"’ wild-card, or a complete ‘"user@domain.tld"’ address. If set, these names end up in the local recipient map – see the **local**(8) man-page – and effectively replace the system user database lookup that’s otherwise used by default.

Type: null or (list of string)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.mapFiles

Maps to be compiled and placed into /var/lib/postfix/conf.

Type: attribute set of absolute path

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.postmasterAlias

Who should receive postmaster e−mail. Multiple values can be added by separating values with comma.

Type: string

Default:

```
"root"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.rootAlias

Who should receive root e−mail. Blank for no redirection. Multiple values can be added by separating values with comma.

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.setSendmail

Whether to set the system sendmail to postfix's.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.setgidGroup

How to call postfix setgid group (for postdrop). Should be uniquely used group.

Type: string

Default:

```
"postdrop"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.settings.main

The main.cf configuration file as key value set.

Null values will not be rendered.

Tip

Check 'postconf −d' for the default values of all settings.

Type: open submodule of attribute set of (null or boolean or signed integer or absolute path or string or

list of string)

Example:

```
{
  mail_owner = "postfix";
  smtp_tls_security_level = "may";
}
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.settings.main.message_size_limit
Maximum size of an email message in bytes.

https://www.postfix.org/postconf.5.html#message_size_limit

Type: null or signed integer

Default:

```
10240000
```

Example:

```
52428800
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.settings.main.mydestination
List of domain names intended for local delivery using /etc/passwd and /etc/aliases.

Warning
Do not include **virtual** domains in this list.

https://www.postfix.org/postconf.5.html#mydestination

Type: null or string or list of string

Default:

```
[
  "$myhostname"
  "localhost.$mydomain"
  "localhost"
]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.settings.main.myhostname
The internet hostname of this mail system.

Leave unset to default to the system hostname with the **mydomain** suffix.

https://www.postfix.org/postconf.5.html#myhostname

Type: null or string

Default:

```
null
```

Example:

```
"mail.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.settings.main.mynetworks
List of trusted remote SMTP clients, that are allowed to relay mail.

Leave unset to let Postfix populate this list based on the **mynetworks_style** setting.

https://www.postfix.org/postconf.5.html#mynetworks

Type: null or (list of string)

Default:

```
null
```

Example:

```
[
  "127.0.0.0/8"
  "::1"
]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.settings.main.mynetworks_style
The method used for generating the default value for **mynetworks**, if that option is unset.

https://www.postfix.org/postconf.5.html#mynetworks_style

Type: null or one of “host”, “subnet”, “class”

Default:

```
"host"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.settings.main.recipient_delimiter
Set of characters used as the delimiters for address extensions.

This allows creating different forwarding rules per extension.

https://www.postfix.org/postconf.5.html#recipient_delimiter

Type: null or string

Default:

```
""
```

Example:

```
"+"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.settings.main.relay_domains
List of domains delivered via the relay transport.

https://www.postfix.org/postconf.5.html#relay_domains

Type: null or (list of string)

Default:

```
[ ]
```

Example:

```
[
  "lists.example.com"
]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.settings.main.relayhost
List of hosts to use for relaying outbound mail.

Note
Putting the hostname in angled brackets, e.g. '[relay.example.com]', turns off MX and SRV lookups for the hostname.

https://www.postfix.org/postconf.5.html#relayhost

Type: null or (list of string)

Default:

```
[ ]
```

Example:

```
[
  "[relay.example.com]:587"
]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.settings.main.smtp_tls_CAfile
File containing CA certificates of root CAs trusted to sign either remote SMTP server certificates or intermediate CA certificates.

Defaults to the system CA bundle that is managed through the 'security.pki' options.

https://www.postfix.org/postconf.5.html#smtp_tls_CAfile

Type: absolute path

Default:

```
config.security.pki.caBundle
```

Example:

```
${pkgs.cacert}/etc/ssl/certs/ca-bundle.crt
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.settings.main.smtp_tls_security_level
The client TLS security level.

Tip
Use 'dane' with a local DNSSEC validating DNS resolver enabled.

https://www.postfix.org/postconf.5.html#smtp_tls_security_level

Type: one of "none", "may", "encrypt", "dane", "dane-only", "fingerprint", "verify", "secure"

Default:

```
"may"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.settings.main.smtpd_tls_chain_files
List of paths to the server private keys and certificates.

Caution
The order of items matters and a private key must always be followed by the corresponding certificate.

https://www.postfix.org/postconf.5.html#smtpd_tls_chain_files

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[
  "/var/lib/acme/mail.example.com/privkey.pem"
  "/var/lib/acme/mail.example.com/fullchain.pem"
]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.settings.main.smtpd_tls_security_level
The server TLS security level. Enable TLS by configuring at least 'may'.

https://www.postfix.org/postconf.5.html#smtpd_tls_security_level

Type: one of "none", "may", "encrypt"

Default:

```
if config.services.postfix.settings.main.smtpd_tls_chain_files != [ \
 ] then "may" else "none"
```

Example:

```
"may"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.settings.master
The *master.cf* configuration file as an attribute set of service defitions

Tip
Check **https://www.postfix.org/master.5.html** for possible settings.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  submission = {
    args = [
      "-o"
      "smtpd_tls_security_level=encrypt"
    ];
```

```
    type = "inet";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.settings.master.<name>.args
Arguments to pass to the **command**. There is no shell processing involved and shell syntax is passed verbatim to the process.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-o"
  "smtp_helo_timeout=5"
]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.settings.master.<name>.chroot
Whether the service is chrooted to have only access to the **services.postfix.queueDir** and the closure of store paths specified by the **program** option.

Type: boolean

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.settings.master.<name>.command
A program name specifying a Postfix service/daemon process. By default it's the attribute **name**.

Type: string

Default:

```
"‹name›"
```

Example:

```
"smtpd"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.settings.master.<name>.maxproc
The maximum number of processes to spawn for this service. If the value is '0' it doesn't have any limit. If 'null' is given it uses the postfix default of '100'.

Type: signed integer

Example:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.settings.master.<name>.name
The name of the service to run. Defaults to the attribute set key.

Type: string

Default:

```
"‹name›"
```

Example:

```
"smtp"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.settings.master.<name>.private
Whether the service's sockets and storage directory is restricted to be only available via the mail system. If 'null' is given it uses the postfix default 'true'.

Type: boolean

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.settings.master.<name>.privileged
Type: boolean

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.settings.master.<name>.type
The type of the service

Type: one of "inet", "unix", "unix−dgram", "fifo", "pass"

Default:

```
"unix"
```

Example:

```
"inet"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.settings.master.<name>.wakeup
Automatically wake up the service after the specified number of seconds. If '0' is given, never wake the service up.

Type: signed integer

Example:

```
60
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.settings.master.<name>.wakeupUnusedComponent
If set to ‘false’ the component will only be woken up if it is used. This is equivalent to postfix’ notion of adding a question mark behind the wakeup time in *master.cf*

Type: boolean

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.submissionOptions
Options for the submission config in master.cf

Type: attribute set of string

Default:

```
{
  milter_macro_daemon_name = "ORIGINATING";
  smtpd_client_restrictions = "permit_sasl_authenticated,reject";
  smtpd_sasl_auth_enable = "yes";
  smtpd_tls_security_level = "encrypt";
}
```

Example:

```
{
  milter_macro_daemon_name = "ORIGINATING";
  smtpd_client_restrictions = "permit_sasl_authenticated,reject";
  smtpd_sasl_auth_enable = "yes";
  smtpd_sasl_type = "dovecot";
  smtpd_tls_security_level = "encrypt";
}
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.submissionsOptions
Options for the submission config via smtps in master.cf.

smtpd_tls_security_level will be set to encrypt, if it is missing or has one of the values “may” or “none”.

smtpd_tls_wrappermode with value “yes” will be added automatically.

Type: attribute set of string

Default:

```
{
  milter_macro_daemon_name = "ORIGINATING";
  smtpd_client_restrictions = "permit_sasl_authenticated,reject";
  smtpd_sasl_auth_enable = "yes";
}
```

Example:

```
{
  milter_macro_daemon_name = "ORIGINATING";
  smtpd_client_restrictions = "permit_sasl_authenticated,reject";
```

```
    smtpd_sasl_auth_enable = "yes";
    smtpd_sasl_type = "dovecot";
  }
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.transport
Entries for the transport map, cf. man−page **transport**(5).

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.user
What to call the Postfix user (must be used only for postfix).

Type: string

Default:

```
"postfix"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.virtual
Entries for the virtual alias map, cf. man−page **virtual**(5).

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix.virtualMapType
What type of virtual alias map file to use. Use ‘"regexp"’ for regular expressions.

Type: one of “hash”, “regexp”, “pcre”

Default:

```
"hash"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix.nix>

services.postfix−tlspol.enable
Whether to enable postfix−tlspol.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix−tlspol.nix>

services.postfix−tlspol.package
The postfix−tlspol package to use.

Type: package

Default:

```
pkgs.postfix-tlspol
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix−tlspol.nix>

services.postfix−tlspol.configurePostfix
Whether to configure the required settings to use postfix−tlspol in the local Postfix instance.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix−tlspol.nix>

services.postfix−tlspol.settings
The postfix−tlspol configuration file as a Nix attribute set.

See the reference documentation for possible options. **https://github.com/Zuplu/postfix−tlspol/blob/main/configs/config.default.yaml**

Type: open submodule of (YAML 1.2 value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix−tlspol.nix>

services.postfix−tlspol.settings.dns.address
IP and port to your DNS resolver.

Uses resolvers from /etc/resolv.conf if unset.

Note
The configured DNS resolver must validate DNSSEC signatures.

Type: null or string

Default:

```
null
```

Example:

```
"127.0.0.1:53"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix−tlspol.nix>

services.postfix−tlspol.settings.server.address
Path or address/port where postfix−tlspol binds its socket to.

Type: string

Default:

```
"unix:/run/postfix-tlspol/tlspol.sock"
```

Example:

```
"127.0.0.1:8642"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix-tlspol.nix>

services.postfix-tlspol.settings.server.cache-file
Path to the cache file.

Type: absolute path *(read only)*

Default:

```
"/var/cache/postfix-tlspol/cache.db"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix-tlspol.nix>

services.postfix-tlspol.settings.server.log-level
Log level

Type: one of “debug”, “info”, “warn”, “error”

Default:

```
"info"
```

Example:

```
"warn"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix-tlspol.nix>

services.postfix-tlspol.settings.server.prefetch
Whether to prefetch DNS records when the TTL of a cached record is about to expire.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix-tlspol.nix>

services.postfix-tlspol.settings.server.socket-permissions
Permissions to the UNIX socket, if configured.

Note
Due to hardening on the systemd unit the socket can never be created world readable/writable.

Type: string *(read only)*

Default:

```
"0660"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postfix-tlspol.nix>

services.postgres−websockets.enable

Whether to enable postgres−websockets.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/databases/postgres−websockets.nix>

services.postgres−websockets.environment

postgres−websockets configuration as defined in: **https://github.com/diogob/postgres−websockets/blob/master/src/PostgresWebsockets/Config.hs#L71−L87**

'PGWS_DB_URI' is represented as an attribute set, see 'environment.PGWS_DB_URI'

Note

The 'environment.PGWS_JWT_SECRET' option is blocked. Use 'jwtSecretFile' instead.

Type: open submodule of attribute set of string

Default:

```
{ }
```

Example:

```
{
  PGWS_LISTEN_CHANNEL = "my_channel";
  PGWS_DB_URI.dbname = "postgres";
}
```

Declared by:

<nixpkgs/nixos/modules/services/databases/postgres−websockets.nix>

services.postgres−websockets.environment.PGWS_DB_URI

libpq connection parameters as documented in:

https://www.postgresql.org/docs/current/libpq−connect.html#LIBPQ−PARAMKEYWORDS

Note

The 'environment.PGWS_DB_URI.password' and 'environment.PGWS_DB_URI.passfile' options are blocked. Use 'pgpassFile' instead.

Type: open submodule of attribute set of string

Default:

```
{ }
```

Example:

```
{
  host = "localhost";
  dbname = "postgres";
}
```

Declared by:

<nixpkgs/nixos/modules/services/databases/postgres−websockets.nix>

services.postgres−websockets.environment.PGWS_HOST
Address the server will listen for websocket connections.

Type: null or string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/postgres−websockets.nix>

services.postgres−websockets.jwtSecretFile
Secret used to sign JWT tokens used to open communications channels.

Type: null or absolute path not in the Nix store

Default:

```
null
```

Example:

```
"/run/keys/jwt_secret"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/postgres−websockets.nix>

services.postgres−websockets.pgpassFile
The password to authenticate to PostgreSQL with. Not needed for peer or trust based authentication.

The file must be a valid '.pgpass' file as described in: **https://www.postgresql.org/docs/current/libpq−pgpass.html**

In most cases, the following will be enough:

```
*:*:*:*:<password>
```

Type: null or absolute path not in the Nix store

Default:

```
null
```

Example:

```
"/run/keys/db_password"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/postgres−websockets.nix>

services.postgresql.enable
Whether to enable PostgreSQL Server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/databases/postgresql.nix>

services.postgresql.enableJIT

Whether to enable JIT support.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/databases/postgresql.nix>

services.postgresql.enableTCPIP

Whether PostgreSQL should listen on all network interfaces. If disabled, the database can only be accessed via its Unix domain socket or via TCP connections to localhost.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/databases/postgresql.nix>

services.postgresql.package

The package being used by postgresql.

Type: package

Default:

```
if versionAtLeast config.system.stateVersion "25.11" then
  pkgs.postgresql_17
else if versionAtLeast config.system.stateVersion "24.11" then
  pkgs.postgresql_16
else if versionAtLeast config.system.stateVersion "23.11" then
  pkgs.postgresql_15
else
  pkgs.postgresql_14
```

Example:

```
pkgs.postgresql_15
```

Declared by:

<nixpkgs/nixos/modules/services/databases/postgresql.nix>

services.postgresql.authentication

Defines how users authenticate themselves to the server. See the **PostgreSQL documentation for pg_hba.conf** for details on the expected format of this option. By default, peer based authentication will be used for users connecting via the Unix socket, and md5 password authentication will be used for users connecting via TCP. Any added rules will be inserted above the default rules. If you'd like to replace the default rules entirely, you can use 'lib.mkForce' in your module.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/databases/postgresql.nix>

services.postgresql.checkConfig
Check the syntax of the configuration file at compile time

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/databases/postgresql.nix>

services.postgresql.dataDir
The data directory for PostgreSQL. If left as the default value this directory will automatically be created before the PostgreSQL server starts, otherwise the sysadmin is responsible for ensuring the directory exists with appropriate ownership and permissions.

Type: absolute path

Default:

```
"/var/lib/postgresql/${config.services.postgresql.package.psqlSchem \
a}"
```

Example:

```
"/var/lib/postgresql/15"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/postgresql.nix>

services.postgresql.ensureDatabases
Ensures that the specified databases exist. This option will never delete existing databases, especially not when the value of this option is changed. This means that databases created once through this option or otherwise have to be removed manually.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "gitea"
  "nextcloud"
]
```

Declared by:
<nixpkgs/nixos/modules/services/databases/postgresql.nix>

services.postgresql.ensureUsers
Ensures that the specified users exist. The PostgreSQL users will be identified using peer authentication. This authenticates the Unix user with the same name only, and that without the need for a password. This option will never delete existing users or remove DB ownership of databases once granted with ‘ensureDBOwnership = true;’. This means that this must be cleaned up manually when changing after changing the config in here.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    name = "nextcloud";
  }
  {
    name = "superuser";
    ensureDBOwnership = true;
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/databases/postgresql.nix>

services.postgresql.ensureUsers.*.ensureClauses

An attrset of clauses to grant to the user. Under the hood this uses the **ALTER USER syntax** for each attrName where the attrValue is true in the attrSet: 'ALTER USER user.name WITH attrName'

Type: open submodule of attribute set of (string or signed integer or boolean)

Default:

```
{ }
```

Example:

```
{
  superuser = true;
  createrole = true;
  createdb = true;
  connection_limit = 5;
  # SCRAM-SHA-256 hashed password for "password"
  # Generate hashes using PostgreSQL or a dedicated script rather t \
han storing passwords in plain text.
  password = "SCRAM-SHA-256$4096:SZEJF5Si4QZ6l4fedrZZWQ==$6u3PWVc \
z+dts+NdpByPIjKa4CaSnoXGG3M2vpo76bVU=:WSZ0iGUCmVtKYVvNX0pFOp/60Igsd \
J+90Y67Eun+QE0=";
}
```

Declared by:

<nixpkgs/nixos/modules/services/databases/postgresql.nix>

services.postgresql.ensureUsers.*.ensureDBOwnership

Grants the user ownership to a database with the same name. This database must be defined manually in **services.postgresql.ensureDatabases**.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/databases/postgresql.nix>

services.postgresql.ensureUsers.*.name

Name of the user to ensure.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/databases/postgresql.nix>

services.postgresql.extensions
List of PostgreSQL extensions to install.

Type: (function that evaluates to a(n) list of absolute path) or (list of absolute path) convertible to it

Default:

```
<function>
```

Example:

```
ps: with ps; [ postgis pg_repack ]
```

Declared by:
<nixpkgs/nixos/modules/services/databases/postgresql.nix>

services.postgresql.finalPackage
The postgresql package that will effectively be used in the system. It consists of the base package with plugins applied to it.

Type: package *(read only)*

Default:

```
"with config.services.postgresql; package.withPackages extensions"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/postgresql.nix>

services.postgresql.identMap
Defines the mapping from system users to database users.

See the **auth doc**.

There is a default map “postgres” which is used for local peer authentication as the postgres superuser role. For example, to allow the root user to login as the postgres superuser, add:

```
postgres root postgres
```

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
map-name-0 system-username-0 database-username-0
map-name-1 system-username-1 database-username-1
```

Declared by:
<nixpkgs/nixos/modules/services/databases/postgresql.nix>

services.postgresql.initdbArgs
Additional arguments passed to ‘initdb’ during data dir initialisation.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--data-checksums"
  "--allow-group-access"
```

```
]
```

Declared by:

<nixpkgs/nixos/modules/services/databases/postgresql.nix>

services.postgresql.initialScript

A file containing SQL statements to execute on first startup.

Type: null or absolute path

Default:

```
null
```

Example:

```
pkgs.writeText "init-sql-script" ''
  alter user postgres with password 'myPassword';
```

Declared by:

<nixpkgs/nixos/modules/services/databases/postgresql.nix>

services.postgresql.settings

PostgreSQL configuration. Refer to **https://www.postgresql.org/docs/current/config-setting.html#CONFIG-SETTING-CONFIGURATION-FILE** for an overview of *postgresql.conf*.

Note

String values will automatically be enclosed in single quotes. Single quotes will be escaped with two single quotes as described by the upstream documentation linked above.

Type: open submodule of attribute set of (boolean or floating point number or signed integer or string)

Default:

```
{ }
```

Example:

```
{
  log_connections = true;
  log_statement = "all";
  logging_collector = true;
  log_disconnections = true;
  log_destination = lib.mkForce "syslog";
}
```

Declared by:

<nixpkgs/nixos/modules/services/databases/postgresql.nix>

services.postgresql.settings.log_line_prefix

A printf-style string that is output at the beginning of each log line. Upstream default is ''%m [%p] '', i.e. it includes the timestamp. We do not include the timestamp, because journal has it anyway.

Type: string

Default:

```
"[%p] "
```

Example:

```
"%m [%p] "
```

Declared by:

<nixpkgs/nixos/modules/services/databases/postgresql.nix>

services.postgresql.settings.port

The port on which PostgreSQL listens.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5432
```

Declared by:

<nixpkgs/nixos/modules/services/databases/postgresql.nix>

services.postgresql.settings.shared_preload_libraries

List of libraries to be preloaded.

Type: null or (strings concatenated with “,” or (list of string) convertible to it)

Default:

```
null
```

Example:

```
[ "auto_explain" "anon" ]
```

Declared by:

<nixpkgs/nixos/modules/services/databases/postgresql.nix>

services.postgresql.systemCallFilter

Configures the syscall filter for ‘postgresql.service’. The keys are declarations for ‘SystemCallFilter’ as described in **systemd.exec**(5).

The value is a boolean: ‘true’ adds the attribute name to the syscall filter−set, ‘false’ doesn’t. This is done to allow downstream configurations to turn off restrictions made here. E.g. with

```
{
  services.postgresql.systemCallFilter."~@resources" = false;
}
```

it’s possible to remove the restriction on ‘@resources’ (keep in mind that ‘@system−service’ implies ‘@resources’).

As described in the section for **services.postgresql.systemCallFilter.<name>.priority**, the ordering matters. Hence, it’s also possible to specify customizations with

```
{
  services.postgresql.systemCallFilter = {
    "foobar" = { enable = true; priority = 23; };
  };
}
```

services.postgresql.systemCallFilter.<name>.enable is the flag whether or not it will be added to the ‘SystemCallFilter’ of ‘postgresql.service’.

Settings with a higher priority are added after filter settings with a lower priority. Hence, syscall groups with a higher priority can discard declarations with a lower priority.

By default, syscall groups (i.e. attribute names starting with ‘@’) are added *before* negated groups (i.e. ‘~@’ as prefix) *before* syscall names and negations.

Type: attribute set of ((submodule) or boolean convertible to it)

Default:

```
{
  "@system-service" = true;
  "~@privileged" = true;
```

```
  "~@resources" = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/databases/postgresql.nix>

services.postgresql.systemCallFilter.<name>.enable
Whether to enable ‹name› in postgresql's syscall filter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/databases/postgresql.nix>

services.postgresql.systemCallFilter.<name>.priority
Set the priority of the system call filter setting. Later declarations override earlier ones, e.g.

```
[Service]
SystemCallFilter=~read write
SystemCallFilter=write
```

results in a service where *only* 'read' is not allowed.

The ordering in the unit file is controlled by this option: the higher the number, the later it will be added to the filterset.

By default, depending on the prefix a priority is assigned: usually, call−groups (starting with '@') are used to allow/deny a larger set of syscalls and later on single syscalls are configured for exceptions. Hence, syscall groups and negative groups are placed before individual syscalls by default.

Type: signed integer

Default:

```
if hasPrefix "@" name then 500 else if hasPrefix "~@" name then  \
1000 else 1500
```

Declared by:
<nixpkgs/nixos/modules/services/databases/postgresql.nix>

services.postgresqlBackup.enable
Whether to enable PostgreSQL dumps.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/backup/postgresql−backup.nix>

services.postgresqlBackup.backupAll

Backup all databases using pg_dumpall. This option is mutual exclusive to ‘services.postgresqlBackup.databases’. The resulting backup dump will have the name all.sql.gz. This option is the default if no databases are specified.

Type: boolean

Default:

```
services.postgresqlBackup.databases == []
```

Declared by:

<nixpkgs/nixos/modules/services/backup/postgresql−backup.nix>

services.postgresqlBackup.compression

The type of compression to use on the generated database dump.

Type: one of “none”, “gzip”, “zstd”

Default:

```
"gzip"
```

Declared by:

<nixpkgs/nixos/modules/services/backup/postgresql−backup.nix>

services.postgresqlBackup.compressionLevel

The compression level used when compression is enabled. gzip accepts levels 1 to 9. zstd accepts levels 1 to 19.

Type: integer between 1 and 19 (both inclusive)

Default:

```
6
```

Declared by:

<nixpkgs/nixos/modules/services/backup/postgresql−backup.nix>

services.postgresqlBackup.databases

List of database names to dump.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/backup/postgresql−backup.nix>

services.postgresqlBackup.location

Path of directory where the PostgreSQL database dumps will be placed.

Type: absolute path

Default:

```
"/var/backup/postgresql"
```

Declared by:

<nixpkgs/nixos/modules/services/backup/postgresql−backup.nix>

services.postgresqlBackup.pgdumpAllOptions

Command line options for pg_dumpall. This options is not used if ‘config.services.postgresqlBackup.backupAll’ is disabled.

Type: strings concatenated with " "

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/backup/postgresql−backup.nix>

services.postgresqlBackup.pgdumpOptions

Command line options for pg_dump. This options is not used if ‘config.services.postgresqlBackup.backupAll’ is enabled. Note that config.services.postgresqlBackup.backupAll is also active, when no databases where specified.

Type: strings concatenated with " "

Default:

```
"−C"
```

Declared by:

<nixpkgs/nixos/modules/services/backup/postgresql−backup.nix>

services.postgresqlBackup.startAt

This option defines (see ‘systemd.time’ for format) when the databases should be dumped. The default is to update at 01:15 (at night) every day.

Type: (list of string) or string

Default:

```
"*−*−* 01:15:00"
```

Declared by:

<nixpkgs/nixos/modules/services/backup/postgresql−backup.nix>

services.postgresqlWalReceiver.receivers

PostgreSQL WAL receivers. Stream write−ahead logs from a PostgreSQL server using **pg_receivewal** (formerly **pg_receivexlog**). See **the man page** for more information.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  main = {
    postgresqlPackage = pkgs.postgresql_15;
    directory = /mnt/pg_wal/main/;
    slot = "main_wal_receiver";
    connection = "postgresql://user@somehost";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/backup/postgresql−wal−receiver.nix>

services.postgresqlWalReceiver.receivers.<name>.compress

Enables gzip compression of write−ahead logs, and specifies the compression level (‘0’ through ‘9’, ‘0’ being no compression and ‘9’ being best compression). The suffix ‘.gz’ will automatically be added to all filenames.

This option requires PostgreSQL >= 10.

Type: integer between 0 and 9 (both inclusive)

Default:

Declared by:

<nixpkgs/nixos/modules/services/backup/postgresql−wal−receiver.nix>

services.postgresqlWalReceiver.receivers.<name>.connection

Specifies parameters used to connect to the server, as a connection string. See **Section 34.1.1 of the PostgreSQL manual** for more information.

Because **pg_receivewal** doesn’t connect to any particular database in the cluster, database name in the connection string will be ignored.

Type: string

Example:

```
"postgresql://user@somehost"
```

Declared by:

<nixpkgs/nixos/modules/services/backup/postgresql−wal−receiver.nix>

services.postgresqlWalReceiver.receivers.<name>.directory

Directory to write the output to.

Type: absolute path

Example:

```
/mnt/pg_wal/main/
```

Declared by:

<nixpkgs/nixos/modules/services/backup/postgresql−wal−receiver.nix>

services.postgresqlWalReceiver.receivers.<name>.environment

Environment variables passed to the service. Usable parameters are listed in **Section 34.14 of the PostgreSQL manual**.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  PGPASSFILE = "/private/passfile";
  PGSSLMODE = "require";
}
```

Declared by:

<nixpkgs/nixos/modules/services/backup/postgresql−wal−receiver.nix>

services.postgresqlWalReceiver.receivers.<name>.extraArgs

A list of extra arguments to pass to the **pg_receivewal** command.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--no-sync"
]
```

Declared by:

<nixpkgs/nixos/modules/services/backup/postgresql-wal-receiver.nix>

services.postgresqlWalReceiver.receivers.<name>.postgresqlPackage

The postgresql package to use.

Type: package

Default:

```
pkgs.postgresql
```

Example:

```
postgresql_15
```

Declared by:

<nixpkgs/nixos/modules/services/backup/postgresql-wal-receiver.nix>

services.postgresqlWalReceiver.receivers.<name>.slot

Require **pg_receivewal** to use an existing replication slot (see **Section 26.2.6 of the PostgreSQL manual**). When this option is used, **pg_receivewal** will report a flush position to the server, indicating when each segment has been synchronized to disk so that the server can remove that segment if it is not otherwise needed.

When the replication client of **pg_receivewal** is configured on the server as a synchronous standby, then using a replication slot will report the flush position to the server, but only when a WAL file is closed. Therefore, that configuration will cause transactions on the primary to wait for a long time and effectively not work satisfactorily. The option **synchronous** must be specified in addition to make this work correctly.

Type: string

Default:

```
""
```

Example:

```
"some_slot_name"
```

Declared by:

<nixpkgs/nixos/modules/services/backup/postgresql-wal-receiver.nix>

services.postgresqlWalReceiver.receivers.<name>.statusInterval

Specifies the number of seconds between status packets sent back to the server. This allows for easier monitoring of the progress from server. A value of zero disables the periodic status updates completely, although an update will still be sent when requested by the server, to avoid timeout disconnect.

Type: signed integer

Default:

```
10
```

Declared by:
<nixpkgs/nixos/modules/services/backup/postgresql−wal−receiver.nix>

services.postgresqlWalReceiver.receivers.<name>.synchronous
Flush the WAL data to disk immediately after it has been received. Also send a status packet back to the server immediately after flushing, regardless of **statusInterval**.

This option should be specified if the replication client of **pg_receivewal** is configured on the server as a synchronous standby, to ensure that timely feedback is sent to the server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/backup/postgresql−wal−receiver.nix>

services.postgrest.enable
Whether to enable PostgREST.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/databases/postgrest.nix>

services.postgrest.jwtSecretFile
The secret or JSON Web Key (JWK) (or set) used to decode JWT tokens clients provide for authentication. For security the key must be at least 32 characters long. If this parameter is not specified then PostgREST refuses authentication requests.

https://docs.postgrest.org/en/stable/references/configuration.html#jwt−secret

Type: null or absolute path not in the Nix store

Default:

```
null
```

Example:

```
"/run/keys/jwt_secret"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/postgrest.nix>

services.postgrest.pgpassFile
The password to authenticate to PostgreSQL with. Not needed for peer or trust based authentication.

The file must be a valid '.pgpass' file as described in: **https://www.postgresql.org/docs/current/libpq−pgpass.html**

In most cases, the following will be enough:

```
*:*:*:*:<password>
```

Type: null or absolute path not in the Nix store

Default:

```
null
```

Example:

```
"/run/keys/db_password"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/postgrest.nix>

services.postgrest.settings
PostgREST configuration as documented in: **https://docs.postgrest.org/en/stable/references/configuration.html#list-of-parameters**

'db-uri' is represented as an attribute set, see 'settings.db-uri'

Note
The 'settings.jwt-secret' option is blocked. Use 'jwtSecretFile' instead.

Type: open submodule of attribute set of (boolean or (unsigned integer, meaning >=0) or string)

Default:

```
{ }
```

Example:

```
{
  db-anon-role = "anon";
  db-uri.dbname = "postgres";
  "app.settings.custom" = "value";
}
```

Declared by:
<nixpkgs/nixos/modules/services/databases/postgrest.nix>

services.postgrest.settings.admin-server-port
Specifies the port for the admin server, which can be used for healthchecks.

https://docs.postgrest.org/en/stable/references/admin_server.html#admin-server

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/databases/postgrest.nix>

services.postgrest.settings.db-config
Enables the in-database configuration.

https://docs.postgrest.org/en/stable/references/configuration.html#in-database-configuration

Note
This is enabled by default upstream, but disabled by default in this module.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/databases/postgrest.nix>

services.postgrest.settings.db−uri
libpq connection parameters as documented in:

https://www.postgresql.org/docs/current/libpq−connect.html#LIBPQ−PARAMKEYWORDS

Note
The ‘settings.db−uri.password’ and ‘settings.db−uri.passfile’ options are blocked. Use ‘pgpassFile’ instead.

Type: open submodule of attribute set of string

Default:

```
{ }
```

Example:

```
{
  host = "localhost";
  dbname = "postgres";
}
```

Declared by:
<nixpkgs/nixos/modules/services/databases/postgrest.nix>

services.postgrest.settings.server−host
Where to bind the PostgREST web server.

Note
The admin server will also bind here, but potentially exposes sensitive information. Make sure you turn off the admin server, when opening this to the public.

https://github.com/PostgREST/postgrest/issues/3956

Type: null or string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/postgrest.nix>

services.postgrest.settings.server−port
The TCP port to bind the web server.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Example:

```
3000
```

Declared by:
<nixpkgs/nixos/modules/services/databases/postgrest.nix>

services.postgrest.settings.server−unix−socket

Unix domain socket where to bind the PostgREST web server.

Type: null or absolute path

Default:

```
"/run/postgrest/postgrest.sock"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/postgrest.nix>

services.postgrey.enable

Whether to run the Postgrey daemon

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/mail/postgrey.nix>

services.postgrey.IPv4CIDR

Strip N bits from IPv4 addresses if lookupBySubnet is true

Type: unsigned integer, meaning >=0

Default:

```
24
```

Declared by:

<nixpkgs/nixos/modules/services/mail/postgrey.nix>

services.postgrey.IPv6CIDR

Strip N bits from IPv6 addresses if lookupBySubnet is true

Type: unsigned integer, meaning >=0

Default:

```
64
```

Declared by:

<nixpkgs/nixos/modules/services/mail/postgrey.nix>

services.postgrey.autoWhitelist

Whitelist clients after successful delivery of N messages

Type: null or (positive integer, meaning >0)

Default:

```
5
```

Declared by:

<nixpkgs/nixos/modules/services/mail/postgrey.nix>

services.postgrey.delay

Greylist for N seconds

Type: unsigned integer, meaning >=0

Default:

```
300
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postgrey.nix>

services.postgrey.greylistAction
Response status for greylisted messages (see **access**(5))

Type: string

Default:

```
"DEFER_IF_PERMIT"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postgrey.nix>

services.postgrey.greylistHeader
Prepend header to greylisted mails; use %%t for seconds delayed due to greylisting, %%v for the version of postgrey, %%d for the date, and %%h for the host

Type: string

Default:

```
"X-Greylist: delayed %%t seconds by postgrey-%%v at %%h; %%d"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postgrey.nix>

services.postgrey.greylistText
Response status text for greylisted messages; use %%s for seconds left until greylisting is over and %%r for mail domain of recipient

Type: string

Default:

```
"Greylisted for %%s seconds"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postgrey.nix>

services.postgrey.lookupBySubnet
Strip the last N bits from IP addresses, determined by IPv4CIDR and IPv6CIDR

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postgrey.nix>

services.postgrey.maxAge
Delete entries from whitelist if they haven’t been seen for N days

Type: unsigned integer, meaning >=0

Default:

```
35
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postgrey.nix>

services.postgrey.privacy

Store data using one−way hash functions (SHA1)

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/mail/postgrey.nix>

services.postgrey.retryWindow

Allow N days for the first retry. Use string with appended ‘h’ to specify time in hours

Type: string or (unsigned integer, meaning >=0)

Default:

```
2
```

Example:

```
"12h"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/postgrey.nix>

services.postgrey.socket

Socket to bind to

Type: (submodule) or (submodule)

Default:

```
{
  mode = "0777";
  path = "/run/postgrey.sock";
}
```

Example:

```
{
  addr = "127.0.0.1";
  port = 10030;
}
```

Declared by:

<nixpkgs/nixos/modules/services/mail/postgrey.nix>

services.postgrey.whitelistClients

Client address whitelist files (see **postgrey**(8))

Type: list of absolute path

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/mail/postgrey.nix>

services.postgrey.whitelistRecipients

Recipient address whitelist files (see **postgrey**(8))

Type: list of absolute path

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/mail/postgrey.nix>

services.postsrsd.enable

Whether to enable the postsrsd SRS server for Postfix…

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/mail/postsrsd.nix>

services.postsrsd.package

The postsrsd package to use.

Type: package

Default:

```
pkgs.postsrsd
```

Declared by:

<nixpkgs/nixos/modules/services/mail/postsrsd.nix>

services.postsrsd.configurePostfix

Whether to configure the required settings to use postsrsd in the local Postfix instance.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/mail/postsrsd.nix>

services.postsrsd.group

Group for the daemon

Type: string

Default:

```
"postsrsd"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/postsrsd.nix>

services.postsrsd.secretsFile

Secret keys used for signing and verification.

> **Note**
> The secret will be generated, if it does not exist at the given path.

Type: absolute path

Default:

```
"/var/lib/postsrsd/postsrsd.secret"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postsrsd.nix>

services.postsrsd.settings

Configuration options for the postsrsd.conf file.

See the **example configuration** for possible values.

Type: open submodule of attribute set of (boolean or floating point number or signed integer or absolute path or string or list of string)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postsrsd.nix>

services.postsrsd.settings.chroot−dir

Path to chroot into at runtime as an additional layer of protection.

> **Note**
> We confine the runtime environment through systemd hardening instead, so this option is read−only.

Type: string *(read only)*

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postsrsd.nix>

services.postsrsd.settings.domains

List of local domains, that do not require rewriting.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "example.com"
]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postsrsd.nix>

services.postsrsd.settings.secrets−file

Path to the file containing the secret keys.

Note

Secrets are passed using ‘LoadCredential=’ on the systemd unit, so this options is read−only.

Configure **services.postsrsd.secretsFile** instead.

Type: string *(read only)*

Default:

```
"\${CREDENTIALS_DIRECTORY}/secrets-file"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/postsrsd.nix>

services.postsrsd.settings.separator

SRS tag separator used in generated sender addresses.

Unless you have a very good reason, you should leave this setting at its default.

Type: one of “−”, “=”, “+”

Default:

```
"="
```

Declared by:

<nixpkgs/nixos/modules/services/mail/postsrsd.nix>

services.postsrsd.settings.socketmap

Listener configuration in socket map format native to Postfix configuration.

Type: string matching the pattern ^(unix|inet):.+

Default:

```
"unix:/run/postsrsd/socket"
```

Example:

```
"inet:localhost:10003"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/postsrsd.nix>

services.postsrsd.settings.srs−domain

Dedicated mail domain used for ephemeral SRS envelope addresses.

Recommended to configure, when hosting multiple unrelated mail domains (e.g. for different customers), to prevent privacy issues.

Set to ‘null’ to not configure any ‘srs−domain’.

Type: null or string

Default:

```
null
```

Example:

```
"srs.example.com"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/postsrsd.nix>

services.postsrsd.settings.unprivileged−user

Unprivileged user to drop privileges to.

Note
Our systemd unit never runs postsrsd as a privileged process, so this option is read−only.

Type: string *(read only)*

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postsrsd.nix>

services.postsrsd.user

User for the daemon

Type: string

Default:

```
"postsrsd"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/postsrsd.nix>

services.power−profiles−daemon.enable

Whether to enable power−profiles−daemon, a DBus daemon that allows changing system behavior based upon user−selected power profiles.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/power−profiles−daemon.nix>

services.power−profiles−daemon.package

The power−profiles−daemon package to use.

Type: package

Default:

```
pkgs.power-profiles-daemon
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/power−profiles−daemon.nix>

services.powerdns.enable

Whether to enable PowerDNS domain name server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/powerdns.nix>

services.powerdns.extraConfig

PowerDNS configuration. Refer to **https://doc.powerdns.com/authoritative/settings.html** for details on supported values.

Type: strings concatenated with "\n"

Default:

```
"launch=bind"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/powerdns.nix>

services.powerdns.secretFile

Environment variables from this file will be interpolated into the final config file using envsubst with this syntax: '$ENVIRONMENT' or '${VARIABLE}'. The file should contain lines formatted as 'SECRET_VAR=SECRET_VALUE'. This is useful to avoid putting secrets into the nix store.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/powerdns.env"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/powerdns.nix>

services.powerdns−admin.enable

Whether to enable the PowerDNS web interface.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/powerdns−admin.nix>

services.powerdns−admin.config

Configuration python file. See **the example configuration** for options. Also see **Flask Session configuration** as the version shipped with NixOS is more recent than the one PowerDNS−Admin expects and it requires explicit configuration.

Type: string

Default:

```
""
```

Example:

```
  import cachelib

  BIND_ADDRESS = '127.0.0.1'
  PORT = 8000
  SQLALCHEMY_DATABASE_URI = 'postgresql://powerdnsadmin@/powerdnsad \
min?host=/run/postgresql'
  SESSION_TYPE = 'cachelib'
```

```
SESSION_CACHELIB = cachelib.simple.SimpleCache()
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/powerdns−admin.nix>

services.powerdns−admin.extraArgs
Extra arguments passed to powerdns−admin.

Type: list of string

Default:

```
[ ]
```

Example:

```
[ "−b" "127.0.0.1:8000" ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/powerdns−admin.nix>

services.powerdns−admin.saltFile
The salt used for serialization. This should be set, otherwise the default is used. Set this to null to ignore this setting and configure it through another way.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/etc/powerdns−admin/salt"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/powerdns−admin.nix>

services.powerdns−admin.secretKeyFile
The secret used to create cookies. This needs to be set, otherwise the default is used and everyone can forge valid login cookies. Set this to null to ignore this setting and configure it through another way.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/etc/powerdns−admin/secret"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/powerdns−admin.nix>

services.powerstation.enable
Whether to enable PowerStation.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/powerstation.nix>

services.powerstation.package
The powerstation package to use.

Type: package

Default:

```
pkgs.powerstation
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/powerstation.nix>

services.pppd.enable
Whether to enable pppd.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pppd.nix>

services.pppd.package
The ppp package to use.

Type: package

Default:

```
pkgs.ppp
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pppd.nix>

services.pppd.peers
pppd peers.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pppd.nix>

services.pppd.peers.<name>.enable
Whether to enable this PPP peer.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pppd.nix>

services.pppd.peers.<name>.autostart
Whether the PPP session is automatically started at boot time.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pppd.nix>

services.pppd.peers.<name>.config
pppd configuration for this peer, see the **pppd**(8) man page.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pppd.nix>

services.pppd.peers.<name>.name
Name of the PPP peer.

Type: string

Default:

```
"‹name›"
```

Example:

```
"dialup"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pppd.nix>

services.pptpd.enable
Whether to enable pptpd, the Point−to−Point Tunneling Protocol daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pptpd.nix>

services.pptpd.clientIpRange
The range from which client IPs are drawn.

Type: string

Default:

```
"10.124.124.2−11"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pptpd.nix>

services.pptpd.extraPppdOptions
Adds extra lines to the pppd options file.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
ms-dns 8.8.8.8
ms-dns 8.8.4.4
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pptpd.nix>

services.pptpd.extraPptpdOptions
Adds extra lines to the pptpd configuration file.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pptpd.nix>

services.pptpd.maxClients
The maximum number of simultaneous connections.

Type: signed integer

Default:

```
10
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pptpd.nix>

services.pptpd.serverIp
The server-side IP address.

Type: string

Default:

```
"10.124.124.1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/pptpd.nix>

services.prefect.enable
enable prefect server and worker services

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/scheduling/prefect.nix>

services.prefect.package
The prefect package to use.

Type: package

Default:

```
pkgs.prefect
```

Declared by:
<nixpkgs/nixos/modules/services/scheduling/prefect.nix>

services.prefect.baseUrl
external url when served by a reverse proxy, e.g. ‘https://example.com/prefect’

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/scheduling/prefect.nix>

services.prefect.dataDir
Specify the directory for Prefect.

Type: absolute path

Default:

```
"/var/lib/prefect-server"
```

Declared by:
<nixpkgs/nixos/modules/services/scheduling/prefect.nix>

services.prefect.database
which database to use for prefect server: sqlite or postgres

Type: one of “sqlite”, “postgres”

Default:

```
"sqlite"
```

Declared by:
<nixpkgs/nixos/modules/services/scheduling/prefect.nix>

services.prefect.databaseHost
database host for postgres only

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/scheduling/prefect.nix>

services.prefect.databaseName
database name for postgres only

Type: string

Default:

```
"prefect"
```

Declared by:
<nixpkgs/nixos/modules/services/scheduling/prefect.nix>

services.prefect.databasePasswordFile
path to a file containing e.g.: DBPASSWORD=supersecret

stored outside the nix store, read by systemd as EnvironmentFile.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/scheduling/prefect.nix>

services.prefect.databasePort
database port for postgres only

Type: string

Default:

```
"5432"
```

Declared by:
<nixpkgs/nixos/modules/services/scheduling/prefect.nix>

services.prefect.databaseUser
database user for postgres only

Type: string

Default:

```
"postgres"
```

Declared by:
<nixpkgs/nixos/modules/services/scheduling/prefect.nix>

services.prefect.host
Prefect server host

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/scheduling/prefect.nix>

services.prefect.port
Prefect server port

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
4200
```

Declared by:
<nixpkgs/nixos/modules/services/scheduling/prefect.nix>

services.prefect.workerPools

define a set of worker pools with submodule config. example: workerPools.my−pool = { installPolicy = “never”; };

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/scheduling/prefect.nix>

services.prefect.workerPools.<name>.installPolicy

install policy for the worker (always, if−not−present, never, prompt)

Type: one of “always”, “if−not−present”, “never”, “prompt”

Default:

```
"always"
```

Declared by:

<nixpkgs/nixos/modules/services/scheduling/prefect.nix>

services.pretalx.enable

Whether to enable pretalx.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/pretalx.nix>

services.pretalx.package

The pretalx package to use.

Type: package

Default:

```
pkgs.pretalx
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/pretalx.nix>

services.pretalx.celery.enable

Whether to set up celery as an asynchronous task runner.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/pretalx.nix>

services.pretalx.celery.extraArgs

Extra arguments to pass to celery.

See **https://docs.celeryq.dev/en/stable/reference/cli.html#celery-worker** for more info.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/pretalx.nix>

services.pretalx.database.createLocally

Whether to automatically set up the database on the local DBMS instance.

Currently only supported for PostgreSQL. Not required for sqlite.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/pretalx.nix>

services.pretalx.environmentFiles

Environment files that allow passing secret configuration values.

Each line must follow the 'PRETALX_SECTION_KEY=value' pattern.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[
  "/run/secrets/pretalx/env"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/pretalx.nix>

services.pretalx.finalPackage

The effective pretalx package used. This is the base package with the selected plugins applied.

Type: package *(read only)*

Default:

```
config.services.package.override {
  inherit (config.services.pretalx) plugins;
}
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/pretalx.nix>

services.pretalx.group

Group under which pretalx should run.

Type: string

Default:

```
"pretalx"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/pretalx.nix>

services.pretalx.gunicorn.extraArgs

Extra arguments to pass to gunicorn. See **https://docs.pretalx.org/administrator/installation.html#step−6−starting−pretalx−as−a−service** for details.

Type: list of string

Default:

```
[
  "−−name=pretalx"
]
```

Example:

```
[
  "−−name=pretalx"
  "−−workers=4"
  "−−max−requests=1200"
  "−−max−requests−jitter=50"
  "−−log−level=info"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/pretalx.nix>

services.pretalx.nginx.enable

Whether to set up an nginx virtual host.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/pretalx.nix>

services.pretalx.nginx.domain

The domain name under which to set up the virtual host.

Type: string

Example:

```
"talks.example.com"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/pretalx.nix>

services.pretalx.plugins

Pretalx plugins to install into the Python environment.

Type: list of package

Default:

```
[ ]
```

Example:

```
with config.services.pretalx.package.plugins; [
  pages
  youtube
];
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/pretalx.nix>

services.pretalx.settings

pretalx configuration as a Nix attribute set. All settings can also be passed from the environment.

See **https://docs.pretalx.org/administrator/configure.html** for possible options.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/pretalx.nix>

services.pretalx.settings.celery.backend

URI to the celery backend used for the asynchronous job queue.

Type: null or string

Default:

```
optionalString config.services.pretalx.celery.enable "redis+socket: \
//${config.services.redis.servers.pretalx.unixSocket}?virtual_host= \
1"
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/pretalx.nix>

services.pretalx.settings.celery.broker

URI to the celery broker used for the asynchronous job queue.

Type: null or string

Default:

```
optionalString config.services.pretalx.celery.enable "redis+socket: \
//${config.services.redis.servers.pretalx.unixSocket}?virtual_host= \
2"
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/pretalx.nix>

services.pretalx.settings.database.backend

Database backend to use.

Currently only PostgreSQL gets tested, and as such we don't support any other DBMS.

Type: value "postgresql" (singular enum) *(read only)*

Default:

```
"postgresql"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/pretalx.nix>

services.pretalx.settings.database.host

Database host or socket path.

Type: null or absolute path

Default:

```
if config.services.pretalx.settings..database.backend == "postgresq \
l" then "/run/postgresql"
else if config.services.pretalx.settings.database.backend == "mysql \
" then "/run/mysqld/mysqld.sock"
else null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/pretalx.nix>

services.pretalx.settings.database.name

Database name.

Type: string

Default:

```
"pretalx"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/pretalx.nix>

services.pretalx.settings.database.user

Database username.

Type: string

Default:

```
"pretalx"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/pretalx.nix>

services.pretalx.settings.files.upload_limit

Maximum file upload size in MiB.

Type: positive integer, meaning >0

Default:

```
10
```

Example:

```
50
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pretalx.nix>

services.pretalx.settings.filesystem.data
Base path for all other storage paths.

Type: absolute path

Default:

```
"/var/lib/pretalx"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pretalx.nix>

services.pretalx.settings.filesystem.logs
Path to the log directory, that pretalx logs message to.

Type: absolute path

Default:

```
"/var/log/pretalx"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pretalx.nix>

services.pretalx.settings.filesystem.static
Path to the directory that contains static files.

Type: absolute path *(read only)*

Default:

```
"\${config.services.pretalx.finalPackage.static}/"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pretalx.nix>

services.pretalx.settings.redis.location
URI to the redis server, used to speed up locking, caching and session storage.

Type: null or string

Default:

```
"unix://${config.services.redis.servers.pretalx.unixSocket}?db=0"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pretalx.nix>

services.pretalx.settings.redis.session
Whether to use redis as the session storage.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pretalx.nix>

services.pretalx.settings.site.url

The base URI below which your pretalx instance will be reachable.

Type: string

Default:

```
https://${config.services.pretalx.nginx.domain}
```

Example:

```
"https://talks.example.com"
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/pretalx.nix>

services.pretalx.user

User under which pretalx should run.

Type: string

Default:

```
"pretalx"
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/pretalx.nix>

services.pretix.enable

Whether to enable Pretix, a ticket shop application for conferences, festivals, concerts, etc.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/pretix.nix>

services.pretix.package

The pretix package to use.

Type: package

Default:

```
pkgs.pretix
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/pretix.nix>

services.pretix.celery.extraArgs

Extra arguments to pass to celery.

See **https://docs.celeryq.dev/en/stable/reference/cli.html#celery-worker** for more info.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pretix.nix>

services.pretix.database.createLocally
Whether to automatically set up the database on the local DBMS instance.

Only supported for PostgreSQL. Not required for sqlite.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pretix.nix>

services.pretix.environmentFile
Environment file to pass secret configuration values.

Each line must follow the 'PRETIX_SECTION_KEY=value' pattern.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/pretix−secrets.env"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pretix.nix>

services.pretix.group
Group under which pretix should run.

Type: string

Default:

```
"pretix"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pretix.nix>

services.pretix.gunicorn.extraArgs
Extra arguments to pass to gunicorn. See **https://docs.pretix.eu/en/latest/admin/installation/manual_smallscale.html#start−pretix−as−a−service** for details.

Type: list of string

Default:

```
[
  "−−name=pretix"
]
```

Example:

```
[
  "−−name=pretix"
  "−−workers=4"
  "−−max−requests=1200"
```

```
    "--max-requests-jitter=50"
    "--log-level=info"
  ]
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/pretix.nix>

services.pretix.nginx.enable
Whether to set up an nginx virtual host.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/pretix.nix>

services.pretix.nginx.domain
The domain name under which to set up the virtual host.

Type: string

Example:

```
"talks.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/pretix.nix>

services.pretix.plugins
Pretix plugins to install into the Python environment.

Type: list of package

Default:

```
[ ]
```

Example:

```
with config.services.pretix.package.plugins; [
  passbook
  pages
];
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/pretix.nix>

services.pretix.settings
pretix configuration as a Nix attribute set. All settings can also be passed from the environment.

See **https://docs.pretix.eu/en/latest/admin/config.html** for possible options.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pretix.nix>

services.pretix.settings.celery.backend
URI to the celery backend used for the asynchronous job queue.

Type: string

Default:

```
redis+socket://${config.services.redis.servers.pretix.unixSocket}?v \
irtual_host=1
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pretix.nix>

services.pretix.settings.celery.broker
URI to the celery broker used for the asynchronous job queue.

Type: string

Default:

```
redis+socket://${config.services.redis.servers.pretix.unixSocket}?v \
irtual_host=2
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pretix.nix>

services.pretix.settings.database.backend
Database backend to use.

Only postgresql is recommended for production setups.

Type: one of “sqlite3”, “postgresql”

Default:

```
"postgresql"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pretix.nix>

services.pretix.settings.database.host
Database host or socket path.

Type: null or string

Default:

```
if config.services.pretix.settings..database.backend == "postgresql \
" then "/run/postgresql"
else null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pretix.nix>

services.pretix.settings.database.name
Database name.

Type: string

Default:

```
"pretix"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pretix.nix>

services.pretix.settings.database.user
Database username.

Type: string

Default:

```
"pretix"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pretix.nix>

services.pretix.settings.mail.from
E−Mail address used in the 'FROM' header of outgoing mails.

Type: string

Example:

```
"tickets@example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pretix.nix>

services.pretix.settings.mail.host
Hostname of the SMTP server use for mail delivery.

Type: string

Default:

```
"localhost"
```

Example:

```
"mail.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pretix.nix>

services.pretix.settings.mail.port
Port of the SMTP server to use for mail delivery.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
25
```

Example:

```
587
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pretix.nix>

services.pretix.settings.memcached.location
The 'host:port' combination or the path to the UNIX socket of a memcached instance.

Can be used instead of Redis for caching.

Type: null or string

Default:

```
null
```

Example:

```
"127.0.0.1:11211"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pretix.nix>

services.pretix.settings.pretix.cachedir
Directory for storing temporary files.

Type: absolute path

Default:

```
"/var/cache/pretix"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pretix.nix>

services.pretix.settings.pretix.currency
Default currency for events in its ISO 4217 three−letter code.

Type: string

Default:

```
"EUR"
```

Example:

```
"USD"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pretix.nix>

services.pretix.settings.pretix.datadir
Directory for storing user uploads and similar data.

Type: absolute path

Default:

```
"/var/lib/pretix"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pretix.nix>

services.pretix.settings.pretix.instance_name
The name of this installation.

Type: string

Example:

```
"tickets.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pretix.nix>

services.pretix.settings.pretix.logdir
Directory for storing log files.

Type: absolute path

Default:

```
"/var/log/pretix"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pretix.nix>

services.pretix.settings.pretix.registration
Whether to allow registration of new admin users.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pretix.nix>

services.pretix.settings.pretix.url
The installation's full URL, without a trailing slash.

Type: string

Example:

```
"https://tickets.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pretix.nix>

services.pretix.settings.redis.location
URI to the redis server, used to speed up locking, caching and session storage.

Type: null or string

Default:

```
"unix://${config.services.redis.servers.pretix.unixSocket}?db=0"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pretix.nix>

services.pretix.settings.redis.sessions
Whether to use redis as the session storage.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pretix.nix>

services.pretix.settings.tools.pdftk
Path to the pdftk executable.

Type: absolute path

Default:

```
lib.getExe pkgs.pdftk
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/pretix.nix>

services.pretix.user

User under which pretix should run.

Type: string

Default:

```
"pretix"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/pretix.nix>

services.printing.enable

Whether to enable printing support through the CUPS daemon.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/printing/cupsd.nix>

services.printing.package

The cups package to use.

Type: package

Default:

```
pkgs.cups
```

Declared by:

<nixpkgs/nixos/modules/services/printing/cupsd.nix>

services.printing.allowFrom

From which hosts to allow unconditional access.

Type: list of string

Default:

```
[
  "localhost"
]
```

Example:

```
[
  "all"
]
```

Declared by:

<nixpkgs/nixos/modules/services/printing/cupsd.nix>

services.printing.browsed.enable

Whether to enable the CUPS Remote Printer Discovery (browsed) daemon.

Type: boolean

Default:

```
config.services.avahi.enable
```

Declared by:

<nixpkgs/nixos/modules/services/printing/cupsd.nix>

services.printing.browsed.package

The cups−browsed package to use.

Type: package

Default:

```
pkgs.cups-browsed
```

Declared by:

<nixpkgs/nixos/modules/services/printing/cupsd.nix>

services.printing.browsedConf

The contents of the configuration. file of the CUPS Browsed daemon (*cups−browsed.conf*)

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
  BrowsePoll cups.example.com
```

Declared by:

<nixpkgs/nixos/modules/services/printing/cupsd.nix>

services.printing.browsing

Specifies whether shared printers are advertised.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/printing/cupsd.nix>

services.printing.clientConf

The contents of the client configuration. (*client.conf*)

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
  ServerName server.example.com
  Encryption Never
```

Declared by:

<nixpkgs/nixos/modules/services/printing/cupsd.nix>

services.printing.cups−pdf.enable

Whether to enable the cups−pdf virtual pdf printer backend. By default, this will install a single printer ‘pdf’. but this can be changed/extended with **services.printing.cups−pdf.instances** .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/printing/cups−pdf.nix>

services.printing.cups−pdf.instances
Permits to raise one or more cups−pdf instances. Each instance is named by an attribute name, and the attribute's values control the instance' configuration.

Type: attribute set of (submodule)

Default:

```
{
  pdf = { };
}
```

Example:

```
{
  pdf = {
    settings = {
      Out = "\${HOME}/cups−pdf";
      UserUMask = "0033";
    };
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/printing/cups−pdf.nix>

services.printing.cups−pdf.instances.<name>.enable
Whether to enable this cups−pdf instance.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/printing/cups−pdf.nix>

services.printing.cups−pdf.instances.<name>.confFileText
This will contain the contents of *cups−pdf.conf* for this instance, derived from **settings**. You can use this option to append text to the file.

Type: strings concatenated with "\n"

Declared by:
<nixpkgs/nixos/modules/services/printing/cups−pdf.nix>

services.printing.cups−pdf.instances.<name>.installPrinter
Whether to enable a CUPS printer queue for this instance. The queue will be named after the instance and will use the *CUPS−PDF_opt.ppd* ppd file. If this is disabled, you need to add the queue yourself to use the instance .

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/printing/cups-pdf.nix>

services.printing.cups-pdf.instances.<name>.settings

Settings for a cups-pdf instance, see the descriptions in the template config file in the cups-pdf package. The key value pairs declared here will be translated into proper key value pairs for *cups-pdf.conf*. Setting a value to 'null' disables the option and removes it from the file.

Type: open submodule of attribute set of (null or signed integer or string or absolute path or package)

Default:

```
{ }
```

Example:

```
{
  Out = "\${HOME}/cups-pdf";
  UserUMask = "0033";
}
```

Declared by:

<nixpkgs/nixos/modules/services/printing/cups-pdf.nix>

services.printing.cups-pdf.instances.<name>.settings.AnonDirName

path for anonymously created PDF files

Type: null or (optionally newline-terminated) single-line string

Default:

```
"/var/spool/cups-pdf-{instance-name}/anonymous"
```

Example:

```
"/var/lib/cups-pdf"
```

Declared by:

<nixpkgs/nixos/modules/services/printing/cups-pdf.nix>

services.printing.cups-pdf.instances.<name>.settings.Anonuser

User for anonymous PDF creation. An empty string disables this feature.

Type: (optionally newline-terminated) single-line string

Default:

```
"root"
```

Declared by:

<nixpkgs/nixos/modules/services/printing/cups-pdf.nix>

services.printing.cups-pdf.instances.<name>.settings.GhostScript

location of GhostScript binary

Type: null or absolute path

Default:

```
lib.getExe pkgs.ghostscript
```

Example:

```
${pkgs.ghostscript}/bin/ps2pdf
```

Declared by:
<nixpkgs/nixos/modules/services/printing/cups−pdf.nix>

services.printing.cups−pdf.instances.<name>.settings.Out
output directory; '${HOME}' will be expanded to the user's home directory, '${USER}' will be expanded to the user name.

Type: null or (optionally newline−terminated) single−line string

Default:

```
"/var/spool/cups−pdf−{instance−name}/users/\${USER}"
```

Example:

```
"\${HOME}/cups−pdf"
```

Declared by:
<nixpkgs/nixos/modules/services/printing/cups−pdf.nix>

services.printing.cups−pdf.instances.<name>.settings.Spool
spool directory

Type: null or (optionally newline−terminated) single−line string

Default:

```
"/var/spool/cups−pdf−{instance−name}/spool"
```

Example:

```
"/var/lib/cups−pdf"
```

Declared by:
<nixpkgs/nixos/modules/services/printing/cups−pdf.nix>

services.printing.defaultShared
Specifies whether local printers are shared by default.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/printing/cupsd.nix>

services.printing.drivers
CUPS drivers to use. Drivers provided by CUPS, cups−filters, Ghostscript and Samba are added unconditionally. If this list contains Gutenprint (i.e. a derivation with 'meta.isGutenprint = true') the PPD files in */var/lib/cups/ppd* will be updated automatically to avoid errors due to incompatible versions.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
with pkgs; [ gutenprint hplip splix ]
```

Declared by:
<nixpkgs/nixos/modules/services/printing/cupsd.nix>

services.printing.extraConf

Extra contents of the configuration file of the CUPS daemon (*cupsd.conf*).

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
BrowsePoll cups.example.com
MaxCopies 42
```

Declared by:

<nixpkgs/nixos/modules/services/printing/cupsd.nix>

services.printing.extraFilesConf

Extra contents of the configuration file of the CUPS daemon (*cups−files.conf*).

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/printing/cupsd.nix>

services.printing.listenAddresses

A list of addresses and ports on which to listen.

Type: list of string

Default:

```
[
  "localhost:631"
]
```

Example:

```
[
  "*:631"
]
```

Declared by:

<nixpkgs/nixos/modules/services/printing/cupsd.nix>

services.printing.logLevel

Specifies the cupsd logging verbosity.

Type: string

Default:

```
"info"
```

Example:

```
"debug"
```

Declared by:

<nixpkgs/nixos/modules/services/printing/cupsd.nix>

services.printing.openFirewall

Whether to open the firewall for TCP ports specified in listenAddresses option.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/printing/cupsd.nix>

services.printing.snmpConf

The contents of */etc/cups/snmp.conf*. See “man cups−snmp.conf” for a complete description.

Type: strings concatenated with “\n”

Default:

```
  Address @LOCAL
```

Declared by:

<nixpkgs/nixos/modules/services/printing/cupsd.nix>

services.printing.startWhenNeeded

If set, CUPS is socket−activated; that is, instead of having it permanently running as a daemon, systemd will start it on the first incoming connection.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/printing/cupsd.nix>

services.printing.stateless

If set, all state directories relating to CUPS will be removed on startup of the service.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/printing/cupsd.nix>

services.printing.tempDir

CUPSd temporary directory.

Type: absolute path

Default:

```
"/tmp"
```

Example:

```
"/tmp/cups"
```

Declared by:

<nixpkgs/nixos/modules/services/printing/cupsd.nix>

services.printing.webInterface

Specifies whether the web interface is enabled.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/printing/cupsd.nix>

services.privatebin.enable

Whether to enable Privatebin: A minimalist, open source online pastebin where the server has zero knowledge of pasted data…

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/privatebin.nix>

services.privatebin.enableNginx

Whether to enable nginx or not. If enabled, an nginx virtual host will be created for access to privatebin. If not enabled, then you may use '${config.services.privatebin.package}' as your document root in whichever webserver you wish to setup.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/privatebin.nix>

services.privatebin.package

The privatebin package to use.

Type: package

Default:

```
pkgs.privatebin
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/privatebin.nix>

services.privatebin.dataDir

The place where privatebin stores its state.

Type: absolute path

Default:

```
"/var/lib/privatebin"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/privatebin.nix>

services.privatebin.group

Group under which privatebin runs. It is best to set this to the group of whatever webserver is being used as the frontend.

Type: string

Default:

```
if config.services.privatebin.enableNginx then "nginx" else "privat \
ebin"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/privatebin.nix>

services.privatebin.poolConfig

Options for the PrivateBin PHP pool. See the documentation on <literal>php−fpm.conf</literal> for details on configuration directives.

Type: attribute set of (string or signed integer or boolean)

Default:

```
{
  "pm" = "dynamic";
  "pm.max_children" = 32;
  "pm.start_servers" = 2;
  "pm.min_spare_servers" = 2;
  "pm.max_spare_servers" = 4;
  "pm.max_requests" = 500;
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/privatebin.nix>

services.privatebin.settings

Options for privatebin configuration. Refer to **https://github.com/PrivateBin/PrivateBin/wiki/Configuration** for details on supported values.

Type: open submodule of attribute set of anything

Default:

```
{ }
```

Example:

```
{
  main = {
    name = "NixOS Based Privatebin";
    discussion = false;
    defaultformatter = "plalib.types.intext";
    qrcode = true
  };
  model.class = "Filesystem";
  model_options.dir = "/var/lib/privatebin/data";
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/privatebin.nix>

services.privatebin.user

User account under which privatebin runs.

Type: string

Default:

```
"privatebin"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/privatebin.nix>

services.privatebin.virtualHost

The hostname at which you wish privatebin to be served. If you have enabled nginx using ‘services.privatebin.enableNginx’ then this will be used.

Type: string

Default:

```
"localhost"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/privatebin.nix>

services.privoxy.enable

Whether to enable Privoxy, non−caching filtering proxy.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/privoxy.nix>

services.privoxy.enableTor

Whether to configure Privoxy to use Tor’s faster SOCKS port, suitable for HTTP.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/privoxy.nix>

services.privoxy.certsLifetime

If ‘inspectHttps’ is enabled, the time generated HTTPS certificates will be stored in a temporary directory for reuse. Once the lifetime has expired the directory will cleared and the certificate will have to be generated again, on−demand.

Depending on the traffic, you may want to reduce the lifetime to limit the disk usage, since Privoxy itself never deletes the certificates.

Note
The format is that of the **tmpfiles.d**(5) Age parameter.

Type: tmpfiles.d(5) age format

Default:

```
"10d"
```

Example:

```
"12h"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/privoxy.nix>

services.privoxy.inspectHttps

Whether to configure Privoxy to inspect HTTPS requests, meaning all encrypted traffic will be filtered as well. This works by decrypting and re−encrypting the requests using a per−domain generated certificate.

To issue per−domain certificates, Privoxy must be provided with a CA certificate, using the 'ca−cert−file', 'ca−key−file' settings.

Warning
The CA certificate must also be added to the system trust roots, otherwise browsers will reject all Privoxy certificates as invalid. You can do so by using the option **security.pki.certificateFiles**.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/privoxy.nix>

services.privoxy.settings

This option is mapped to the main Privoxy configuration file. Check out the Privoxy user manual at **https://www.privoxy.org/user−manual/config.html** for available settings and documentation.

Note
Repeated settings can be represented by using a list.

Type: open submodule of privoxy configuration type. The format consists of an attribute set of settings. Each setting can be either a value (integer, string, boolean or path) or a list of such values.

Default:

```
{ }
```

Example:

```
{ # Listen on IPv6 only
  listen−address = "[::]:8118";
  # Forward .onion requests to Tor
  forward−socks5 = ".onion localhost:9050 .";
  # Log redirects and filters
  debug = [ 128 64 ];
  # This is equivalent to writing these lines
  # in the Privoxy configuration file:
  # debug 128
  # debug 64
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/privoxy.nix>

services.privoxy.settings.enable−edit−actions

Whether the web−based actions file editor may be used.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/privoxy.nix>

services.privoxy.settings.actionsfile
List of paths to Privoxy action files. These paths may either be absolute or relative to the privoxy configuration directory.

Type: list of string

Default:

```
[
  "match-all.action"
  "default.action"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/privoxy.nix>

services.privoxy.settings.filterfile
List of paths to Privoxy filter files. These paths may either be absolute or relative to the privoxy configuration directory.

Type: list of string

Default:

```
[
  "default.filter"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/privoxy.nix>

services.privoxy.settings.listen-address
Pair of address:port the proxy server is listening to.

Type: string or list of string

Default:

```
"127.0.0.1:8118"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/privoxy.nix>

services.privoxy.userActions
Actions to be included in a ‘user.action’ file. This will have a higher priority and can be used to override all other actions.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/privoxy.nix>

services.privoxy.userFilters
Filters to be included in a ‘user.filter’ file. This will have a higher priority and can be used to override all other filters definitions.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/privoxy.nix>

services.prometheus.enable
Whether to enable Prometheus monitoring daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.enableAgentMode
Whether to enable agent mode.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.enableReload
Reload prometheus when configuration file changes (instead of restart).

The following property holds: switching to a configuration (‘switch−to−configuration’) that changes the prometheus configuration only finishes successfully when prometheus has finished loading the new configuration.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.package
The prometheus package to use.

Type: package

Default:

```
pkgs.prometheus
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.alertmanager.enable

Whether to enable Prometheus Alertmanager.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager.nix>

services.prometheus.alertmanager.package

The prometheus−alertmanager package to use.

Type: package

Default:

```
pkgs.prometheus−alertmanager
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager.nix>

services.prometheus.alertmanager.checkConfig

Check configuration with ‘amtool check−config’. The call to ‘amtool’ is subject to sandboxing by Nix.

If you use credentials stored in external files (‘environmentFile’, etc), they will not be visible to ‘amtool’ and it will report errors, despite a correct configuration.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager.nix>

services.prometheus.alertmanager.clusterPeers

Initial peers for HA cluster.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager.nix>

services.prometheus.alertmanager.configText

Alertmanager configuration as YAML text. If non−null, this option defines the text that is written to alertmanager.yml. If null, the contents of alertmanager.yml is generated from the structured config options.

The contents of the resulting config file are processed using envsubst. ‘$’ needs to be escaped as ‘$$’ to be preserved.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager.nix>

services.prometheus.alertmanager.configuration
Alertmanager configuration as nix attribute set.

The contents of the resulting config file are processed using envsubst. '$' needs to be escaped as '$$' to be preserved.

Type: null or (attribute set)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager.nix>

services.prometheus.alertmanager.environmentFile
File to load as environment file. Environment variables from this file will be interpolated into the config file using envsubst with this syntax: '$ENVIRONMENT ${VARIABLE}'

Type: null or absolute path

Default:

```
null
```

Example:

```
"/root/alertmanager.env"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager.nix>

services.prometheus.alertmanager.extraFlags
Extra commandline options when launching the Alertmanager.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager.nix>

services.prometheus.alertmanager.listenAddress
Address to listen on for the web interface and API. Empty string will listen on all interfaces. "localhost" will listen on 127.0.0.1 (but not ::1).

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager.nix>

services.prometheus.alertmanager.logFormat
If set use a syslog logger or JSON logging.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager.nix>

services.prometheus.alertmanager.logLevel
Only log messages with the given severity or above.

Type: one of “debug”, “info”, “warn”, “error”, “fatal”

Default:

```
"warn"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager.nix>

services.prometheus.alertmanager.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager.nix>

services.prometheus.alertmanager.port
Port to listen on for the web interface and API.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9093
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager.nix>

services.prometheus.alertmanager.webExternalUrl
The URL under which Alertmanager is externally reachable (for example, if Alertmanager is served via a reverse proxy). Used for generating relative and absolute links back to Alertmanager itself. If the URL has a path portion, it will be used to prefix all HTTP endoints served by Alertmanager. If omitted, relevant URL components will be derived automatically.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager.nix>

services.prometheus.alertmanager−ntfy.enable
Whether to enable alertmanager−ntfy.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager−ntfy.nix>

services.prometheus.alertmanager−ntfy.package
The alertmanager−ntfy package to use.

Type: package

Default:

```
pkgs.alertmanager−ntfy
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager−ntfy.nix>

services.prometheus.alertmanager−ntfy.extraConfigFiles
Config files to merge into the settings defined in **services.prometheus.alertmanager-ntfy.settings**. This is useful to avoid putting secrets into the Nix store. See **https://github.com/alexbakker/alertmanager−ntfy** for more information.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[
  "/run/secrets/alertmanager−ntfy.yml"
]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager−ntfy.nix>

services.prometheus.alertmanager−ntfy.settings
Configuration of alertmanager−ntfy. See **https://github.com/alexbakker/alertmanager−ntfy** for more information.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager−ntfy.nix>

services.prometheus.alertmanager−ntfy.settings.http.addr
The address to listen on.

Type: string

Default:

```
"127.0.0.1:8000"
```

Example:

```
":8000"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager−ntfy.nix>

services.prometheus.alertmanager−ntfy.settings.ntfy.baseurl
The base URL of the ntfy.sh instance.

Type: string

Example:

```
"https://ntfy.sh"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager−ntfy.nix>

services.prometheus.alertmanager−ntfy.settings.ntfy.notification.priority
The ntfy.sh message priority (see **https://docs.ntfy.sh/publish/#message−priority** for more information). Can either be a hardcoded string or a gval expression that evaluates to a string.

Type: string

Default:

```
"status == \"firing\" ? \"high\" : \"default\""
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager−ntfy.nix>

services.prometheus.alertmanager−ntfy.settings.ntfy.notification.tags
Tags to add to ntfy.sh messages. See **https://docs.ntfy.sh/publish/#tags−emojis** for more information.

Type: list of (submodule)

Default:

```
[
  {
    condition = "status == \"resolved\"";
    tag = "green_circle";
  }
  {
    condition = "status == \"firing\"";
    tag = "red_circle";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager−ntfy.nix>

services.prometheus.alertmanager−ntfy.settings.ntfy.notification.tags.*.condition
The condition under which this tag should be added. Tags with no condition are always included.

Type: null or string

Default:

```
null
```

Example:

```
"status == \"firing\""
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager−ntfy.nix>

services.prometheus.alertmanager−ntfy.settings.ntfy.notification.tags.*.tag
The tag to add. See **https://docs.ntfy.sh/emojis** for a list of all supported emojis.

Type: string

Example:

```
"rotating_light"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager−ntfy.nix>

services.prometheus.alertmanager−ntfy.settings.ntfy.notification.templates.description
The ntfy.sh message description template.

Type: string

Default:

```
  {{ index .Annotations "description" }}
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager−ntfy.nix>

services.prometheus.alertmanager−ntfy.settings.ntfy.notification.templates.title
The ntfy.sh message title template.

Type: string

Default:

```
  {{ if eq .Status "resolved" }}Resolved: {{ end }}{{ index .Annota \
tions "summary" }}
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager−ntfy.nix>

services.prometheus.alertmanager−ntfy.settings.ntfy.notification.topic

Note: when using ntfy.sh and other public instances it is recommended to set this option to an empty string and set the actual topic via **services.prometheus.alertmanager-ntfy.extraConfigFiles** since the 'topic' in 'ntfy.sh' is essentially a password.

The topic to which alerts should be published. Can either be a hardcoded string or a gval expression that evaluates to a string.

Type: string

Example:

```
"alertmanager"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager−ntfy.nix>

services.prometheus.alertmanagerGotify.enable
Whether to enable alertmagager−gotify.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager−gotify−bridge.nix>

services.prometheus.alertmanagerGotify.package
The alertmanager−gotify−bridge package to use.

Type: package

Default:

```
pkgs.alertmanager-gotify-bridge
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager−gotify−bridge.nix>

services.prometheus.alertmanagerGotify.bindAddress
The address the server will listen on (bind address).

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager−gotify−bridge.nix>

services.prometheus.alertmanagerGotify.debug
Enables extended logs for debugging purposes. Should be disabled in productive mode.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager−gotify−bridge.nix>

services.prometheus.alertmanagerGotify.defaultPriority
The default priority for messages sent to gotify.

Type: signed integer

Default:

```
5
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager−gotify−bridge.nix>

services.prometheus.alertmanagerGotify.dispatchErrors
When enabled, alerts will be tried to dispatch with an error message regarding faulty templating or missing fields to help debugging.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager−gotify−bridge.nix>

services.prometheus.alertmanagerGotify.environmentFile

File containing additional config environment variables for alertmanager−gotify−bridge. This is especially for secrets like GOTIFY_TOKEN and AUTH_PASSWORD.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager−gotify−bridge.nix>

services.prometheus.alertmanagerGotify.extendedDetails

When enabled, alerts are presented in HTML format and include colorized status (FIR|RES), alert start time, and a link to the generator of the alert.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager−gotify−bridge.nix>

services.prometheus.alertmanagerGotify.gotifyEndpoint.host

The hostname or ip your gotify endpoint is running.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager−gotify−bridge.nix>

services.prometheus.alertmanagerGotify.gotifyEndpoint.port

The port your gotify endpoint is running.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
443
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager−gotify−bridge.nix>

services.prometheus.alertmanagerGotify.gotifyEndpoint.tls

If your gotify endpoint uses https, leave this option set to default

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager−gotify−bridge.nix>

services.prometheus.alertmanagerGotify.messageAnnotation

Annotation holding the alert message.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager−gotify−bridge.nix>

services.prometheus.alertmanagerGotify.metrics.namespace
The namescape of the metrics.

Type: string

Default:

```
"alertmanager−gotify−bridge"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager−gotify−bridge.nix>

services.prometheus.alertmanagerGotify.metrics.path
The path under which the metrics will be exposed.

Type: string

Default:

```
"/metrics"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager−gotify−bridge.nix>

services.prometheus.alertmanagerGotify.metrics.username
The username used to access your metrics.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager−gotify−bridge.nix>

services.prometheus.alertmanagerGotify.openFirewall
Opens the bridge port in the firewall.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager−gotify−bridge.nix>

services.prometheus.alertmanagerGotify.port
The local port the bridge is listening on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager−gotify−bridge.nix>

services.prometheus.alertmanagerGotify.priorityAnnotation
Annotation holding the priority of the alert.

Type: string

Default:

```
"priority"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager−gotify−bridge.nix>

services.prometheus.alertmanagerGotify.timeout
The time between sending a message and the timeout.

Type: positive integer, meaning >0

Default:

```
5
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager−gotify−bridge.nix>

services.prometheus.alertmanagerGotify.titleAnnotation
Annotation holding the title of the alert

Type: string

Default:

```
"summary"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager−gotify−bridge.nix>

services.prometheus.alertmanagerGotify.webhookPath
The URL path to handle requests on.

Type: string

Default:

```
"/gotify_webhook"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager−gotify−bridge.nix>

services.prometheus.alertmanagerIrcRelay.enable
Whether to enable Alertmanager IRC Relay.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager−irc−relay.nix>

services.prometheus.alertmanagerIrcRelay.package
The alertmanager−irc−relay package to use.

Type: package

Default:

```
pkgs.alertmanager−irc−relay
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager−irc−relay.nix>

services.prometheus.alertmanagerIrcRelay.extraFlags

Extra command line options to pass to alertmanager−irc−relay.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager−irc−relay.nix>

services.prometheus.alertmanagerIrcRelay.settings

Configuration for Alertmanager IRC Relay as a Nix attribute set. For a reference, check out the **example configuration** and the **source code**.

Note: The webhook's URL MUST point to the IRC channel where the message should be posted. For '#mychannel' from the example, this would be 'http://localhost:8080/mychannel'.

Type: YAML 1.1 value

Default:

```
null
```

Example:

```
{
  http_host = "localhost";
  http_port = 8000;
  irc_host = "irc.example.com";
  irc_port = 7000;
  irc_nickname = "myalertbot";
  irc_channels = [
    { name = "#mychannel"; }
  ];
}
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager−irc−relay.nix>

services.prometheus.alertmanagerNotificationQueueCapacity

The capacity of the queue for pending alert manager notifications.

Type: signed integer

Default:

```
10000
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.alertmanagerWebhookLogger.enable

Whether to enable Alertmanager Webhook Logger.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager−webhook−logger.nix>

services.prometheus.alertmanagerWebhookLogger.package
The alertmanager−webhook−logger package to use.

Type: package

Default:

```
pkgs.alertmanager−webhook−logger
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager−webhook−logger.nix>

services.prometheus.alertmanagerWebhookLogger.extraFlags
Extra command line options to pass to alertmanager−webhook−logger.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/alertmanager−webhook−logger.nix>

services.prometheus.alertmanagers
A list of alertmanagers to send alerts to. See **the official documentation** for more information.

Type: list of (attribute set)

Default:

```
[ ]
```

Example:

```
[ {
  scheme = "https";
  path_prefix = "/alertmanager";
  static_configs = [ {
    targets = [
      "prometheus.domain.tld"
    ];
  } ];
} ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.checkConfig
Check configuration with ‘promtool check’. The call to ‘promtool’ is subject to sandboxing by Nix.

If you use credentials stored in external files (‘password_file’, ‘bearer_token_file’, etc), they will not be visible to ‘promtool’ and it will report errors, despite a correct configuration. To resolve this, you may set this option to ‘"syntax−only"’ in order to only syntax check the Prometheus configuration.

Type: boolean or value “syntax−only” (singular enum)

Default:

```
true
```

Example:

```
"syntax−only"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.configText
If non−null, this option defines the text that is written to prometheus.yml. If null, the contents of prometheus.yml is generated from the structured config options.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.exporters
Prometheus exporter configuration

Type: submodule

Default:

```
{ }
```

Example:

```
{
  node = {
    enable = true;
    enabledCollectors = [ "systemd" ];
  };
  varnish.enable = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.apcupsd.enable
Whether to enable the prometheus apcupsd exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.apcupsd.apcupsdAddress
Address of the apcupsd Network Information Server (NIS).

Type: string

Default:

```
":3551"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.apcupsd.apcupsdNetwork

Network of the apcupsd Network Information Server (NIS): one of “tcp”, “tcp4”, or “tcp6”.

Type: one of “tcp”, “tcp4”, “tcp6”

Default:

```
"tcp"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.apcupsd.extraFlags

Extra commandline options to pass to the apcupsd exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.apcupsd.firewallFilter

Specify a filter for iptables to use when **services.prometheus.exporters.apcupsd.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9162"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.apcupsd.firewallRules

Specify rules for nftables to add to the input chain when **services.prometheus.exporters.apcupsd.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9162 counter accept
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.apcupsd.group

Group under which the apcupsd exporter shall be run.

Type: string

Default:

```
"apcupsd−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.apcupsd.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.apcupsd.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.apcupsd.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9162
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.apcupsd.user
User name under which the apcupsd exporter shall be run.

Type: string

Default:

```
"apcupsd-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.artifactory.enable
Whether to enable the prometheus artifactory exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.artifactory.artiAccessToken

Access token for authentication against JFrog Artifactory API. One of the password or access token needs to be set.

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.artifactory.artiPassword

Password for authentication against JFrog Artifactory API. One of the password or access token needs to be set.

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.artifactory.artiUsername

Username for authentication against JFrog Artifactory API.

Type: string

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.artifactory.extraFlags

Extra commandline options to pass to the artifactory exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.artifactory.firewallFilter

Specify a filter for iptables to use when **services.prometheus.exporters.artifactory.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9531"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.artifactory.firewallRules

Specify rules for nftables to add to the input chain when **services.prometheus.exporters.artifactory.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9531 counter accept
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.artifactory.group

Group under which the artifactory exporter shall be run.

Type: string

Default:

```
"artifactory-exporter"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.artifactory.listenAddress

Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.artifactory.openFirewall

Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.artifactory.port

Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9531
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.artifactory.scrapeUri
URI on which to scrape JFrog Artifactory.

Type: string

Default:

```
"http://localhost:8081/artifactory"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.artifactory.user
User name under which the artifactory exporter shall be run.

Type: string

Default:

```
"artifactory-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bind.enable
Whether to enable the prometheus bind exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bind.bindGroups
List of statistics to collect. Available: [server, view, tasks]

Type: list of (one of “server”, “view”, “tasks”)

Default:

```
[
  "server"
  "view"
]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bind.bindTimeout
Timeout for trying to get stats from Bind.

Type: string

Default:

```
"10s"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bind.bindURI
HTTP XML API address of an Bind server.

Type: string

Default:

```
"http://localhost:8053/"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bind.bindVersion
BIND statistics version. Can be detected automatically.

Type: one of “xml.v2”, “xml.v3”, “auto”

Default:

```
"auto"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bind.extraFlags
Extra commandline options to pass to the bind exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bind.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.bind.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9119"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bind.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.bind.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9119 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bind.group
Group under which the bind exporter shall be run.

Type: string

Default:

```
"bind-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bind.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bind.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bind.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9119
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bind.user
User name under which the bind exporter shall be run.

Type: string

Default:

```
"bind-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bird.enable
Whether to enable the prometheus bird exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bird.birdSocket
Path to BIRD2 (or BIRD1 v4) socket.

Type: absolute path

Default:

```
"/run/bird/bird.ctl"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bird.birdVersion
Specifies whether BIRD1 or BIRD2 is in use.

Type: one of 1, 2

Default:

```
2
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bird.extraFlags
Extra commandline options to pass to the bird exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bird.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.bird.openFirewall** is true. It is used as 'ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept'.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9324"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bird.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.bird.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9324 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bird.group
Group under which the bird exporter shall be run.

Type: string

Default:

```
"bird-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bird.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bird.newMetricFormat
Enable the new more-generic metric format.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bird.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bird.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9324
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bird.user
User name under which the bird exporter shall be run.

Type: string

Default:

```
"bird-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bitcoin.enable
Whether to enable the prometheus bitcoin exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bitcoin.package
The prometheus-bitcoin-exporter package to use.

Type: package

Default:

```
pkgs.prometheus-bitcoin-exporter
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bitcoin.extraEnv
Extra environment variables for the exporter.

Type: attribute set of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bitcoin.extraFlags
Extra commandline options to pass to the bitcoin exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bitcoin.firewallFilter

Specify a filter for iptables to use when **services.prometheus.exporters.bitcoin.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9332"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bitcoin.firewallRules

Specify rules for nftables to add to the input chain when **services.prometheus.exporters.bitcoin.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9332 counter accept
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bitcoin.group

Group under which the bitcoin exporter shall be run.

Type: string

Default:

```
"bitcoin−exporter"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bitcoin.listenAddress

Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bitcoin.openFirewall

Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bitcoin.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9332
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bitcoin.refreshSeconds
How often to ask bitcoind for metrics.

Type: unsigned integer, meaning >=0

Default:

```
300
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bitcoin.rpcHost
RPC host.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bitcoin.rpcPasswordFile
File containing RPC password.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bitcoin.rpcPort
RPC port number.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8332
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bitcoin.rpcScheme
Whether to connect to bitcoind over http or https.

Type: one of “http”, “https”

Default:

```
"http"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bitcoin.rpcUser
RPC user name.

Type: string

Default:

```
"bitcoinrpc"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.bitcoin.user
User name under which the bitcoin exporter shall be run.

Type: string

Default:

```
"bitcoin-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.blackbox.enable
Whether to enable the prometheus blackbox exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.blackbox.enableConfigCheck
Whether to run a correctness check for the configuration file. This depends on the configuration file residing in the nix-store. Paths passed as string will be copied to the store.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.blackbox.configFile
Path to configuration file.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.blackbox.extraFlags

Extra commandline options to pass to the blackbox exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.blackbox.firewallFilter

Specify a filter for iptables to use when **services.prometheus.exporters.blackbox.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9115"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.blackbox.firewallRules

Specify rules for nftables to add to the input chain when **services.prometheus.exporters.blackbox.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9115 counter accept
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.blackbox.group

Group under which the blackbox exporter shall be run.

Type: string

Default:

```
"blackbox−exporter"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.blackbox.listenAddress

Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.blackbox.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.blackbox.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9115
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.blackbox.user
User name under which the blackbox exporter shall be run.

Type: string

Default:

```
"blackbox-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.borgmatic.enable
Whether to enable the prometheus borgmatic exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.borgmatic.configFile
The path to the borgmatic config file

Type: absolute path

Default:

```
"/etc/borgmatic/config.yaml"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.borgmatic.extraFlags

Extra commandline options to pass to the borgmatic exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.borgmatic.firewallFilter

Specify a filter for iptables to use when **services.prometheus.exporters.borgmatic.openFirewall** is true. It is used as 'ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept'.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9996"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.borgmatic.firewallRules

Specify rules for nftables to add to the input chain when **services.prometheus.exporters.borgmatic.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9996 counter accept
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.borgmatic.group

Group under which the borgmatic exporter shall be run.

Type: string

Default:

```
"borgmatic−exporter"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.borgmatic.listenAddress

Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.borgmatic.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.borgmatic.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9996
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.borgmatic.user
User name under which the borgmatic exporter shall be run.

Type: string

Default:

```
"borgmatic-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.buildkite-agent.enable
Whether to enable the prometheus buildkite-agent exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.buildkite-agent.endpoint
The Buildkite Agent API endpoint.

Type: string

Default:

```
"https://agent.buildkite.com/v3"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.buildkite−agent.extraFlags
Extra commandline options to pass to the buildkite−agent exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.buildkite−agent.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.buildkite−agent.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9876"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.buildkite−agent.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.buildkite−agent.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9876 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.buildkite−agent.group
Group under which the buildkite−agent exporter shall be run.

Type: string

Default:

```
"buildkite−agent−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.buildkite−agent.interval
How often to update metrics.

Type: string

Default:

```
"30s"
```

Example:

```
"1min"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.buildkite−agent.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.buildkite−agent.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.buildkite−agent.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9876
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.buildkite−agent.queues
Which specific queues to process.

Type: null or (list of string)

Default:

```
null
```

Example:

```
[ "my−queue1" "my−queue2" ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.buildkite−agent.tokenPath
The token from your Buildkite “Agents” page.

A run−time path to the token file, which is supposed to be provisioned outside of Nix store.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.buildkite−agent.user
User name under which the buildkite−agent exporter shall be run.

Type: string

Default:

```
"buildkite−agent−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.chrony.enable
Whether to enable the prometheus chrony exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.chrony.enabledCollectors
Collectors to enable. Currently all collectors are enabled by default.

Type: list of string

Default:

```
[
  "tracking"
  "sources"
  "sources.with−ntpdata"
  "serverstats"
  "dns−lookups"
]
```

Example:

```
[
  "dns−lookups"
]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.chrony.chronyServerAddress
ChronyServerAddress of the chrony server side command port. (Not enabled by default.) Defaults to the local unix socket.

Type: string

Default:

```
"unix:///run/chrony/chronyd.sock"
```

Example:

```
[
  "192.82.0.1:323"
]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.chrony.disabledCollectors
Collectors to disable which are enabled by default. Disable sources.with−ntpdata for network scraper. Option requires unix socket.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "sources.with−ntpdata"
]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.chrony.extraFlags
Extra commandline options to pass to the chrony exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.chrony.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.chrony.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9123"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.chrony.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.chrony.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9123 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.chrony.group

Group under which the chrony exporter shall be run. This allows the exporter to talk to chrony using a unix socket, which is owned by chrony group. The service startup with the default group chrony will fail without local chrony instance.

Type: string

Default:

```
"chrony"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.chrony.listenAddress

Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.chrony.openFirewall

Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.chrony.port

Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9123
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.chrony.user

User name under which the chrony exporter shall be run. This allows the exporter to talk to chrony using a unix socket, which is owned by chrony. The exporter startup with the default user chrony will fail without local chrony instance.

Type: string

Default:

```
"chrony"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.collectd.enable
Whether to enable the prometheus collectd exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.collectd.collectdBinary.enable
Whether to enable collectd binary protocol receiver.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.collectd.collectdBinary.authFile
File mapping user names to pre−shared keys (passwords).

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.collectd.collectdBinary.listenAddress
Address to listen on for binary network packets.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.collectd.collectdBinary.port
Network address on which to accept collectd binary network packets.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
25826
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.collectd.collectdBinary.securityLevel
Minimum required security level for accepted packets.

Type: one of “None”, “Sign”, “Encrypt”

Default:

```
"None"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.collectd.extraFlags
Extra commandline options to pass to the collectd exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.collectd.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.collectd.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9103"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.collectd.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.collectd.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9103 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.collectd.group
Group under which the collectd exporter shall be run.

Type: string

Default:

```
"collectd−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.collectd.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.collectd.logFormat
Set the log format.

Type: one of “logfmt”, “json”

Default:

```
"logfmt"
```

Example:

```
"json"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.collectd.logLevel
Only log messages with the given severity or above.

Type: one of “debug”, “info”, “warn”, “error”, “fatal”

Default:

```
"info"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.collectd.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.collectd.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9103
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.collectd.user
User name under which the collectd exporter shall be run.

Type: string

Default:

```
"collectd-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.deluge.enable
Whether to enable the prometheus deluge exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.deluge.delugeHost
Hostname where deluge server is running.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.deluge.delugePassword
Password to connect to deluge server.

This stores the password unencrypted in the nix store and is thus considered unsafe. Prefer using the delugePasswordFile option.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.deluge.delugePasswordFile
File containing the password to connect to deluge server.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.deluge.delugePort
Port where deluge server is listening.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
58846
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.deluge.delugeUser
User to connect to deluge server.

Type: string

Default:

```
"localclient"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.deluge.exportPerTorrentMetrics
Enable per−torrent metrics.

This may significantly increase the number of time series depending on the number of torrents in your Deluge instance.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.deluge.extraFlags
Extra commandline options to pass to the deluge exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.deluge.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.deluge.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9354"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.deluge.firewallRules

Specify rules for nftables to add to the input chain when **services.prometheus.exporters.deluge.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9354 counter accept
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.deluge.group

Group under which the deluge exporter shall be run.

Type: string

Default:

```
"deluge-exporter"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.deluge.listenAddress

Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.deluge.openFirewall

Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.deluge.port

Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9354
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.deluge.user
User name under which the deluge exporter shall be run.

Type: string

Default:

```
"deluge-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dmarc.enable
Whether to enable the prometheus dmarc exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dmarc.debug
Whether to declare enable '--debug'.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dmarc.deduplicationMaxSeconds
How long individual report IDs will be remembered to avoid counting double delivered reports twice.

Type: unsigned integer, meaning >=0

Default:

```
"7 days (in seconds)"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dmarc.extraFlags
Extra commandline options to pass to the dmarc exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dmarc.firewallFilter

Specify a filter for iptables to use when **services.prometheus.exporters.dmarc.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9797"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dmarc.firewallRules

Specify rules for nftables to add to the input chain when **services.prometheus.exporters.dmarc.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9797 counter accept
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dmarc.folders.done

IMAP mailbox that successfully processed reports are moved to.

Type: string

Default:

```
"Archive"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dmarc.folders.error

IMAP mailbox that emails are moved to that could not be processed.

Type: string

Default:

```
"Invalid"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dmarc.folders.inbox

IMAP mailbox that is checked for incoming DMARC aggregate reports

Type: string

Default:

```
"INBOX"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dmarc.group
Group under which the dmarc exporter shall be run.

Type: string

Default:

```
"dmarc-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dmarc.imap.host
Hostname of IMAP server to connect to.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dmarc.imap.passwordFile
File containing the login password for the IMAP connection.

Type: string

Example:

```
"/run/secrets/dovecot_pw"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dmarc.imap.port
Port of the IMAP server to connect to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
993
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dmarc.imap.username
Login username for the IMAP connection.

Type: string

Example:

```
"postmaster@example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dmarc.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dmarc.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dmarc.pollIntervalSeconds
How often to poll the IMAP server in seconds.

Type: unsigned integer, meaning >=0

Default:

```
60
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dmarc.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9797
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dmarc.user
User name under which the dmarc exporter shall be run.

Type: string

Default:

```
"dmarc-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dnsmasq.enable
Whether to enable the prometheus dnsmasq exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dnsmasq.dnsmasqListenAddress
Address on which dnsmasq listens.

Type: string

Default:

```
"localhost:53"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dnsmasq.extraFlags
Extra commandline options to pass to the dnsmasq exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dnsmasq.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.dnsmasq.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9153"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dnsmasq.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.dnsmasq.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9153 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dnsmasq.group
Group under which the dnsmasq exporter shall be run.

Type: string

Default:

```
"dnsmasq−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dnsmasq.leasesPath
Path to the ‘dnsmasq.leases’ file.

Type: absolute path

Default:

```
"/var/lib/dnsmasq/dnsmasq.leases"
```

Example:

```
"/var/lib/misc/dnsmasq.leases"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dnsmasq.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dnsmasq.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dnsmasq.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9153
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dnsmasq.user
User name under which the dnsmasq exporter shall be run.

Type: string

Default:

```
"dnsmasq-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dnssec.enable

Whether to enable the prometheus dnssec exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dnssec.configuration

dnssec exporter configuration as nix attribute set.

See **https://github.com/chrj/prometheus-dnssec-exporter/blob/master/README.md** for the description of the configuration file format.

Type: null or (attribute set)

Default:

```
null
```

Example:

```
{
  records = [
    {
      zone = "ietf.org";
      record = "@";
      type = "SOA";
    }
    {
      zone = "verisigninc.com";
      record = "@";
      type = "SOA";
    }
  ];
}
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dnssec.extraFlags

Extra commandline options when launching Prometheus.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dnssec.firewallFilter

Specify a filter for iptables to use when **services.prometheus.exporters.dnssec.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9204"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dnssec.firewallRules

Specify rules for nftables to add to the input chain when **services.prometheus.exporters.dnssec.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9204 counter accept
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dnssec.group

Group under which the dnssec exporter shall be run.

Type: string

Default:

```
"dnssec−exporter"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dnssec.listenAddress

Listen address as host IP and port definition.

Type: null or string

Default:

```
null
```

Example:

```
":9204"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dnssec.openFirewall

Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dnssec.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9204
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dnssec.resolvers
DNSSEC capable resolver to be used for the check.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "0.0.0.0:53"
]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dnssec.timeout
DNS request timeout duration.

Type: null or string

Default:

```
null
```

Example:

```
"10s"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dnssec.user
User name under which the dnssec exporter shall be run.

Type: string

Default:

```
"dnssec-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.domain.enable
Whether to enable the prometheus domain exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.domain.extraFlags
Extra commandline options to pass to the domain exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.domain.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.domain.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9222"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.domain.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.domain.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9222 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.domain.group
Group under which the domain exporter shall be run.

Type: string

Default:

```
"domain−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.domain.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.domain.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.domain.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9222
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.domain.user
User name under which the domain exporter shall be run.

Type: string

Default:

```
"domain-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dovecot.enable
Whether to enable the prometheus dovecot exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dovecot.extraFlags

Extra commandline options to pass to the dovecot exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dovecot.firewallFilter

Specify a filter for iptables to use when **services.prometheus.exporters.dovecot.openFirewall** is true. It is used as 'ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept'.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9166"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dovecot.firewallRules

Specify rules for nftables to add to the input chain when **services.prometheus.exporters.dovecot.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9166 counter accept
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dovecot.group

Group under which the dovecot exporter shall be run.

Type: string

Default:

```
"dovecot−exporter"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dovecot.listenAddress

Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dovecot.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dovecot.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9166
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dovecot.scopes
Stats scopes to query.

Type: list of string

Default:

```
[
  "user"
]
```

Example:

```
[
  "user"
  "global"
]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dovecot.socketPath
Path under which the stats socket is placed. The user/group under which the exporter runs, should be able to access the socket in order to scrape the metrics successfully.

Please keep in mind that the stats module has changed in **Dovecot 2.3+** which is not **compatible with this exporter**.

The following extra config has to be passed to Dovecot to ensure that recent versions work with this exporter:

```
{
  services.prometheus.exporters.dovecot.enable = true;
  services.prometheus.exporters.dovecot.socketPath = "/var/run/dove \
cot2/old-stats";
  services.dovecot2.mailPlugins.globally.enable = [ "old_stats" ];
  services.dovecot2.extraConfig = ''
    service old-stats {
      unix_listener old-stats {
```

```
            user = dovecot-exporter
            group = dovecot-exporter
            mode = 0660
          }
          fifo_listener old-stats-mail {
            mode = 0660
            user = dovecot
            group = dovecot
          }
          fifo_listener old-stats-user {
            mode = 0660
            user = dovecot
            group = dovecot
          }
        }
        plugin {
          old_stats_refresh = 30 secs
          old_stats_track_cmds = yes
        }
      '';
    }
```

Type: absolute path

Default:

```
"/var/run/dovecot/stats"
```

Example:

```
"/var/run/dovecot2/old-stats"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dovecot.telemetryPath
Path under which to expose metrics.

Type: string

Default:

```
"/metrics"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.dovecot.user
User name under which the dovecot exporter shall be run.

Type: string

Default:

```
"dovecot-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ebpf.enable

Whether to enable the prometheus ebpf exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ebpf.extraFlags

Extra commandline options to pass to the ebpf exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ebpf.firewallFilter

Specify a filter for iptables to use when **services.prometheus.exporters.ebpf.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9435"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ebpf.firewallRules

Specify rules for nftables to add to the input chain when **services.prometheus.exporters.ebpf.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9435 counter accept
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ebpf.group

Group under which the ebpf exporter shall be run.

Type: string

Default:

```
"ebpf−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ebpf.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ebpf.names
List of eBPF programs to load

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "timers"
]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ebpf.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ebpf.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9435
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ebpf.user
User name under which the ebpf exporter shall be run.

Type: string

Default:

```
"ebpf-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ecoflow.enable
Whether to enable the prometheus ecoflow exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ecoflow.debug
Enable debug log messages. Disabled by default. Set to “1” to enable.

Type: string

Default:

```
"0"
```

Example:

```
"1"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ecoflow.ecoflowAccessKeyFile
Path to the file with your personal api access string from the Ecoflow development website **https://developer-eu.ecoflow.com**. Do to share or commit your plaintext scecrets to a public repo use: agenix or soaps.

Type: absolute path

Default:

```
"/etc/ecoflow-access-key"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ecoflow.ecoflowDevicesFile
File must contain one line, example: R3300000,R3400000,NC430000,… The list of devices serial numbers separated by comma. For instance: SN1,SN2,SN3. Instead of “devicesFile” you can specify “devicesPrettynamesFile” which will also work. You can specify both. Do to share or commit your plaintext serial numbers to a public repo use: agenix or soaps.

Type: absolute path

Default:

```
"/etc/ecoflow-devices"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ecoflow.ecoflowDevicesPrettyNamesFile

File must contain one line, example: {“R3300000”:“Delta 2”,“R3400000”:“Delta Pro”,…} The key/value map of custom names for your devices. Key is a serial number, value is a device name you want to see in Grafana Dashboard. It’s helpful to see a meaningful name in Grafana dashboard instead of a serial-number. Do to share or commit your plaintext serial numbers to a public repo use: agenix or soaps.

Type: absolute path

Default:

```
"/etc/ecoflow-devices-pretty-names"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ecoflow.ecoflowEmailFile

Path to the file with your personal ecoflow app login email address. Do to share or commit your plaintext scecrets to a public repo use: agenix or soaps.

Type: absolute path

Default:

```
"/etc/ecoflow-email"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ecoflow.ecoflowPasswordFile

Path to the file with your personal ecoflow app login email password. Do to share or commit your plaintext passwords to a public repo use: agenix or soaps here!

Type: absolute path

Default:

```
"/etc/ecoflow-password"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ecoflow.ecoflowSecretKeyFile

Path to the file with your personal api secret string from the Ecoflow development website **https://developer-eu.ecoflow.com**. Do to share or commit your plaintext scecrets to a public repo use: agenix or soaps.

Type: absolute path

Default:

```
"/etc/ecoflow-secret-key"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ecoflow.exporterType

The type of exporter you’d like to use. Possible values: “rest” and “mqtt”. Default value is “rest”. Choose “rest” for the ecoflow online cloud api use “rest” and define: accessKey, secretKey. Choose “mqtt” for the lan realtime integration use “mqtt” and define: email, password, devices.

Type: one of “rest”, “mqtt”

Default:

```
"rest"
```

Example:

```
"mqtt"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ecoflow.extraFlags
Extra commandline options to pass to the ecoflow exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ecoflow.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.ecoflow.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 2112"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ecoflow.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.ecoflow.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 2112 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ecoflow.group
Group under which the ecoflow exporter shall be run.

Type: string

Default:

```
"ecoflow−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ecoflow.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ecoflow.mqttDeviceOfflineThreshold
The threshold in seconds which indicates how long we should wait for a metric message from MQTT broker. Default value: 60 seconds. If we don't receive message within 60 seconds we consider that device is offline. If we don't receive messages within the threshold for all devices, we'll try to reconnect to the MQTT broker. There is a strange behavior that MQTT stop sends messages if you open Ecoflow mobile app and then close it).

Type: positive integer, meaning >0

Default:

```
60
```

Example:

```
120
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ecoflow.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ecoflow.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
2112
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ecoflow.prefix
The prefix that will be added to all metrics. Default value is ecoflow. For instance metric bms_bmsStatus.minCellTemp will be exported to prometheus as ecoflow.bms_bmsStatus.minCellTemp. With default value "ecoflow" you can use Grafana Dashboard with ID 17812 without any changes.

Type: string

Default:

```
"ecoflow"
```

Example:

```
"ecoflow_privateSite"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ecoflow.scrapingInterval

Scrapping interval in seconds. How often should the exporter execute requests to Ecoflow Rest API in order to get the data. Default value is 30 seconds. Align this value with your prometheus scraper interval settings.

Type: positive integer, meaning >0

Default:

```
30
```

Example:

```
120
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ecoflow.user

User name under which the ecoflow exporter shall be run.

Type: string

Default:

```
"ecoflow-exporter"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr-bazarr.enable

Whether to enable the prometheus exportarr-bazarr exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr-bazarr.package

The exportarr package to use.

Type: package

Default:

```
pkgs.exportarr
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr-bazarr.apiKeyFile

File containing the api-key.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−bazarr.environment
See **the configuration guide** for available options.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  PROWLARR__BACKFILL = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−bazarr.extraFlags
Extra commandline options to pass to the exportarr−bazarr exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−bazarr.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.exportarr−bazarr.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9708"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−bazarr.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.exportarr−bazarr.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9708 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−bazarr.group
Group under which the exportarr−bazarr exporter shall be run.

Type: string

Default:

```
"exportarr−bazarr−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−bazarr.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−bazarr.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−bazarr.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9708
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−bazarr.url
The full URL to Sonarr, Radarr, or Lidarr.

Type: string

Default:

```
"http://127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−bazarr.user
User name under which the exportarr−bazarr exporter shall be run.

Type: string

Default:

```
"exportarr−bazarr−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−lidarr.enable
Whether to enable the prometheus exportarr−lidarr exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−lidarr.package
The exportarr package to use.

Type: package

Default:

```
pkgs.exportarr
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−lidarr.apiKeyFile
File containing the api−key.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−lidarr.environment
See **the configuration guide** for available options.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  PROWLARR__BACKFILL = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−lidarr.extraFlags
Extra commandline options to pass to the exportarr−lidarr exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−lidarr.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.exportarr−lidarr.openFirewall** is true. It is used as 'ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept'.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9708"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−lidarr.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.exportarr−lidarr.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9708 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−lidarr.group
Group under which the exportarr−lidarr exporter shall be run.

Type: string

Default:

```
"exportarr−lidarr−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−lidarr.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−lidarr.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−lidarr.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9708
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−lidarr.url
The full URL to Sonarr, Radarr, or Lidarr.

Type: string

Default:

```
"http://127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−lidarr.user
User name under which the exportarr−lidarr exporter shall be run.

Type: string

Default:

```
"exportarr-lidarr-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−prowlarr.enable
Whether to enable the prometheus exportarr−prowlarr exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−prowlarr.package
The exportarr package to use.

Type: package

Default:

```
pkgs.exportarr
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−prowlarr.apiKeyFile
File containing the api−key.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−prowlarr.environment
See **the configuration guide** for available options.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  PROWLARR__BACKFILL = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−prowlarr.extraFlags
Extra commandline options to pass to the exportarr−prowlarr exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−prowlarr.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.exportarr−prowlarr.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9708"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−prowlarr.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.exportarr−prowlarr.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9708 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−prowlarr.group
Group under which the exportarr−prowlarr exporter shall be run.

Type: string

Default:

```
"exportarr−prowlarr−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−prowlarr.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−prowlarr.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−prowlarr.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9708
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−prowlarr.url
The full URL to Sonarr, Radarr, or Lidarr.

Type: string

Default:

```
"http://127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−prowlarr.user
User name under which the exportarr−prowlarr exporter shall be run.

Type: string

Default:

```
"exportarr-prowlarr-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−radarr.enable
Whether to enable the prometheus exportarr−radarr exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−radarr.package
The exportarr package to use.

Type: package

Default:

```
pkgs.exportarr
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−radarr.apiKeyFile
File containing the api−key.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−radarr.environment
See **the configuration guide** for available options.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  PROWLARR__BACKFILL = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−radarr.extraFlags
Extra commandline options to pass to the exportarr−radarr exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−radarr.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.exportarr−radarr.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9708"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−radarr.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.exportarr−radarr.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9708 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−radarr.group
Group under which the exportarr−radarr exporter shall be run.

Type: string

Default:

```
"exportarr−radarr−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−radarr.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−radarr.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−radarr.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9708
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−radarr.url
The full URL to Sonarr, Radarr, or Lidarr.

Type: string

Default:

```
"http://127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−radarr.user
User name under which the exportarr−radarr exporter shall be run.

Type: string

Default:

```
"exportarr−radarr−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−readarr.enable
Whether to enable the prometheus exportarr−readarr exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−readarr.package
The exportarr package to use.

Type: package

Default:

```
pkgs.exportarr
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−readarr.apiKeyFile
File containing the api−key.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−readarr.environment
See **the configuration guide** for available options.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  PROWLARR__BACKFILL = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−readarr.extraFlags
Extra commandline options to pass to the exportarr−readarr exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−readarr.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.exportarr−readarr.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9708"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−readarr.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.exportarr−readarr.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9708 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−readarr.group
Group under which the exportarr−readarr exporter shall be run.

Type: string

Default:

```
"exportarr-readarr-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−readarr.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−readarr.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−readarr.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9708
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−readarr.url
The full URL to Sonarr, Radarr, or Lidarr.

Type: string

Default:

```
"http://127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−readarr.user
User name under which the exportarr−readarr exporter shall be run.

Type: string

Default:

```
"exportarr−readarr−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−sonarr.enable
Whether to enable the prometheus exportarr−sonarr exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−sonarr.package
The exportarr package to use.

Type: package

Default:

```
pkgs.exportarr
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−sonarr.apiKeyFile
File containing the api−key.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−sonarr.environment

See **the configuration guide** for available options.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  PROWLARR__BACKFILL = true;
}
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−sonarr.extraFlags

Extra commandline options to pass to the exportarr−sonarr exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−sonarr.firewallFilter

Specify a filter for iptables to use when **services.prometheus.exporters.exportarr−sonarr.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9708"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−sonarr.firewallRules

Specify rules for nftables to add to the input chain when **services.prometheus.exporters.exportarr−sonarr.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9708 counter accept
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−sonarr.group
Group under which the exportarr−sonarr exporter shall be run.

Type: string

Default:

```
"exportarr−sonarr−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−sonarr.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−sonarr.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−sonarr.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9708
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−sonarr.url
The full URL to Sonarr, Radarr, or Lidarr.

Type: string

Default:

```
"http://127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.exportarr−sonarr.user
User name under which the exportarr−sonarr exporter shall be run.

Type: string

Default:

```
"exportarr−sonarr−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fail2ban.enable
Whether to enable the prometheus fail2ban exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fail2ban.exitOnError
When set to true the exporter will immediately exit on a fail2ban socket connection error

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fail2ban.extraFlags
Extra commandline options to pass to the fail2ban exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fail2ban.fail2banSocket
Path to the fail2ban server socket. Permissions will be set automatically if fail2ban runs on this system.

Type: string

Default:

```
"config.services.fail2ban.daemonSettings.Definition.socket"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fail2ban.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.fail2ban.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"-i eth0 -p tcp -m tcp --dport 9191"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fail2ban.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.fail2ban.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9191 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fail2ban.group
Group under which the fail2ban exporter shall be run.

Type: string

Default:

```
"fail2ban-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fail2ban.host
The host that the fail2ban exporter should listen on

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fail2ban.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fail2ban.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fail2ban.passwordFile
File that contains the password to protect endpoints with HTTP basic authentication

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/prometheus-fail2ban-exporter-password.txt"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fail2ban.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9191
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fail2ban.user
User name under which the fail2ban exporter shall be run.

Type: string

Default:

```
"fail2ban-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fail2ban.username
Username to protect endpoints with HTTP basic authentication

Type: null or string

Default:

```
null
```

Example:

```
"admin"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fastly.enable
Whether to enable the prometheus fastly exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fastly.configFile
Path to a fastly−exporter configuration file. Example one can be generated with ‘fastly−exporter −−config−file−example’.

Type: null or absolute path

Default:

```
null
```

Example:

```
"./fastly-exporter-config.txt"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fastly.environmentFile
An environment file containg at least the FASTLY_API_TOKEN= environment variable.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fastly.extraFlags
Extra commandline options to pass to the fastly exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fastly.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.fastly.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"-i eth0 -p tcp -m tcp --dport 9118"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fastly.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.fastly.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9118 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fastly.group
Group under which the fastly exporter shall be run.

Type: string

Default:

```
"fastly-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fastly.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fastly.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fastly.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9118
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fastly.user
User name under which the fastly exporter shall be run.

Type: string

Default:

```
"fastly-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.flow.enable
Whether to enable the prometheus flow exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.flow.asn
The ASN being monitored.

Type: positive integer, meaning >0

Example:

```
65542
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.flow.brokers
List of Kafka brokers to connect to.

Type: list of string

Default:

```
[ ]
```

Example:

```
[ "kafka.example.org:19092" ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.flow.extraFlags
Extra commandline options to pass to the flow exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.flow.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.flow.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9590"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.flow.firewallRules

Specify rules for nftables to add to the input chain when **services.prometheus.exporters.flow.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9590 counter accept
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.flow.group

Group under which the flow exporter shall be run.

Type: string

Default:

```
"flow-exporter"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.flow.listenAddress

Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.flow.openFirewall

Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.flow.partitions

The number of the partitions to consume, none means all.

Type: list of signed integer

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.flow.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9590
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.flow.topic
The Kafka topic to consume from.

Type: string

Example:

```
"pmacct.acct"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.flow.user
User name under which the flow exporter shall be run.

Type: string

Default:

```
"flow-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fritz.enable
Whether to enable the prometheus fritz exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fritz.extraFlags
Extra commandline options to pass to the fritz exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fritz.firewallFilter

Specify a filter for iptables to use when **services.prometheus.exporters.fritz.openFirewall** is true. It is used as 'ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept'.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9787"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fritz.firewallRules

Specify rules for nftables to add to the input chain when **services.prometheus.exporters.fritz.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9787 counter accept
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fritz.group

Group under which the fritz exporter shall be run.

Type: string

Default:

```
"fritz−exporter"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fritz.listenAddress

Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fritz.openFirewall

Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fritz.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9787
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fritz.settings
Configuration settings for fritz−exporter.

Type: open submodule of (YAML 1.1 value)

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fritz.settings.devices
Fritz!−devices to monitor using the exporter.

Type: list of (open submodule of (YAML 1.1 value))

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fritz.settings.devices.*.host_info
Enable extended host info for this device. *Warning*: This will heavily increase scrape time.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fritz.settings.devices.*.hostname
Hostname under which the target device is reachable.

Type: string

Default:

```
"fritz.box"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fritz.settings.devices.*.name
Name to use for the device.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fritz.settings.devices.*.password_file
Path to a file which contains the password to authenticate with the target device. Needs to be readable by the user the exporter runs under.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fritz.settings.devices.*.username
Username to authenticate with the target device.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fritz.settings.log_level
Log level to use for the exporter.

Type: one of “DEBUG”, “INFO”, “WARNING”, “ERROR”, “CRITICAL”

Default:

```
"INFO"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fritz.user
User name under which the fritz exporter shall be run.

Type: string

Default:

```
"fritz-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fritzbox.enable
Whether to enable the prometheus fritzbox exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fritzbox.extraFlags
Extra commandline options to pass to the fritzbox exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fritzbox.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.fritzbox.openFirewall** is true. It is used as 'ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept'.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9133"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fritzbox.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.fritzbox.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9133 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fritzbox.gatewayAddress
The hostname or IP of the FRITZ!Box.

Type: string

Default:

```
"fritz.box"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fritzbox.gatewayPort
The port of the FRITZ!Box UPnP service.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
49000
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fritzbox.group
Group under which the fritzbox exporter shall be run.

Type: string

Default:

```
"fritzbox−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fritzbox.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fritzbox.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fritzbox.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9133
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.fritzbox.user
User name under which the fritzbox exporter shall be run.

Type: string

Default:

```
"fritzbox-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.frr.enable
Whether to enable the prometheus frr exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.frr.enabledCollectors

Collectors to enable. The collectors listed here are enabled in addition to the default ones.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "vrrp"
]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.frr.disabledCollectors

Collectors to disable which are enabled by default.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "bfd"
]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.frr.extraFlags

Extra commandline options to pass to the frr exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.frr.firewallFilter

Specify a filter for iptables to use when **services.prometheus.exporters.frr.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9342"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.frr.firewallRules

Specify rules for nftables to add to the input chain when **services.prometheus.exporters.frr.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9342 counter accept
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.frr.group

Group under which the frr exporter shall be run. The exporter talks to frr using a unix socket, which is owned by frrvty group.

Type: string

Default:

```
"frrvty"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.frr.listenAddress

Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.frr.openFirewall

Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.frr.port

Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9342
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.frr.user

User name under which the frr exporter shall be run. The exporter talks to frr using a unix socket, which is owned by frr.

Type: string

Default:

```
"frr"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.graphite.enable

Whether to enable the prometheus graphite exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.graphite.extraFlags

Extra commandline options to pass to the graphite exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.graphite.firewallFilter

Specify a filter for iptables to use when **services.prometheus.exporters.graphite.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9108"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.graphite.firewallRules

Specify rules for nftables to add to the input chain when **services.prometheus.exporters.graphite.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9108 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.graphite.graphitePort
Port to use for the graphite server.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9109
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.graphite.group
Group under which the graphite exporter shall be run.

Type: string

Default:

```
"graphite-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.graphite.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.graphite.mappingSettings
Mapping configuration for the exporter, see **https://github.com/prometheus/graphite_exporter#yaml-config** for available options.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.graphite.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.graphite.port

Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9108
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.graphite.user

User name under which the graphite exporter shall be run.

Type: string

Default:

```
"graphite-exporter"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.idrac.enable

Whether to enable the prometheus idrac exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.idrac.configuration

Configuration for iDRAC exporter, as a nix attribute set.

Configuration reference: **https://github.com/mrlhansen/idrac_exporter/#configuration**

Mutually exclusive with ‘configurationPath’ option.

Type: null or (attribute set)

Default:

```
null
```

Example:

```
{
  hosts = {
    default = {
      password = "password";
      username = "username";
    };
  };
  metrics = {
    memory = true;
    power = true;
    sel = true;
    sensors = true;
```

```
    storage = true;
    system = true;
  };
  retries = 1;
  timeout = 10;
}
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.idrac.configurationPath
Path to the service's config file. This path can either be a computed path in /nix/store or a path in the local filesystem.

The config file should NOT be stored in /nix/store as it will contain passwords and/or keys in plain text.

Mutually exclusive with 'configuration' option.

Configuration reference: **https://github.com/mrlhansen/idrac_exporter/#configuration**

Type: null or absolute path

Default:

```
null
```

Example:

```
"/etc/prometheus-idrac-exporter/idrac.yml"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.idrac.extraFlags
Extra commandline options to pass to the idrac exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.idrac.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.idrac.openFirewall** is true. It is used as 'ip46tables -I nixos-fw firewallFilter -j nixos-fw-accept'.

Type: null or string

Default:

```
null
```

Example:

```
"-i eth0 -p tcp -m tcp --dport 9348"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.idrac.firewallRules

Specify rules for nftables to add to the input chain when **services.prometheus.exporters.idrac.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9348 counter accept
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.idrac.group

Group under which the idrac exporter shall be run.

Type: string

Default:

```
"idrac-exporter"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.idrac.listenAddress

Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.idrac.openFirewall

Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.idrac.port

Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9348
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.idrac.user
User name under which the idrac exporter shall be run.

Type: string

Default:

```
"idrac-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.imap-mailstat.enable
Whether to enable the prometheus imap-mailstat exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.imap-mailstat.accounts
Accounts to monitor

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.imap-mailstat.accounts.<name>.mailaddress
Your email address (at the moment used as login name)

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.imap-mailstat.accounts.<name>.password
Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.imap-mailstat.accounts.<name>.serveraddress
mailserver name or address

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.imap−mailstat.accounts.<name>.serverport
imap port number (at the moment only tls connection is supported)

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.imap−mailstat.accounts.<name>.starttls
set to true for using STARTTLS to start a TLS connection

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.imap−mailstat.accounts.<name>.username
If empty string mailaddress value is used

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.imap−mailstat.configurationFile
File containing the configuration

Type: absolute path

Example:

```
"/path/to/config−file"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.imap−mailstat.extraFlags
Extra commandline options to pass to the imap−mailstat exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.imap−mailstat.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.imap−mailstat.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 8081"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.imap−mailstat.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.imap−mailstat.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 8081 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.imap−mailstat.group
Group under which the imap−mailstat exporter shall be run.

Type: string

Default:

```
"imap−mailstat−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.imap−mailstat.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.imap−mailstat.oldestUnseenDate
Enable metric with timestamp of oldest unseen mail

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.imap−mailstat.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.imap−mailstat.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8081
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.imap−mailstat.user
User name under which the imap−mailstat exporter shall be run.

Type: string

Default:

```
"imap−mailstat−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.influxdb.enable
Whether to enable the prometheus influxdb exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.influxdb.extraFlags
Extra commandline options to pass to the influxdb exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.influxdb.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.influxdb.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9122"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.influxdb.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.influxdb.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9122 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.influxdb.group
Group under which the influxdb exporter shall be run.

Type: string

Default:

```
"influxdb-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.influxdb.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.influxdb.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.influxdb.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9122
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.influxdb.sampleExpiry
How long a sample is valid for

Type: string

Default:

```
"5m"
```

Example:

```
"10m"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.influxdb.udpBindAddress
Address on which to listen for udp packets

Type: string

Default:

```
":9122"
```

Example:

```
"192.0.2.1:9122"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.influxdb.user
User name under which the influxdb exporter shall be run.

Type: string

Default:

```
"influxdb-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ipmi.enable
Whether to enable the prometheus ipmi exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ipmi.configFile
Path to configuration file.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ipmi.extraFlags
Extra commandline options to pass to the ipmi exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ipmi.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.ipmi.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9290"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ipmi.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.ipmi.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9290 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ipmi.group
Group under which the ipmi exporter shall be run.

Type: string

Default:

```
"ipmi−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ipmi.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ipmi.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ipmi.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9290
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ipmi.user
User name under which the ipmi exporter shall be run.

Type: string

Default:

```
"ipmi-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ipmi.webConfigFile
Path to configuration file that can enable TLS or authentication.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.jitsi.enable
Whether to enable the prometheus jitsi exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.jitsi.extraFlags

Extra commandline options to pass to the jitsi exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.jitsi.firewallFilter

Specify a filter for iptables to use when **services.prometheus.exporters.jitsi.openFirewall** is true. It is used as 'ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept'.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9700"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.jitsi.firewallRules

Specify rules for nftables to add to the input chain when **services.prometheus.exporters.jitsi.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9700 counter accept
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.jitsi.group

Group under which the jitsi exporter shall be run.

Type: string

Default:

```
"jitsi−exporter"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.jitsi.interval

How often to scrape new data

Type: string

Default:

```
"30s"
```

Example:

```
"1min"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.jitsi.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.jitsi.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.jitsi.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9700
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.jitsi.url
Jitsi Videobridge metrics URL to monitor. This is usually /colibri/stats on port 8080 of the jitsi videobridge host.

Type: string

Default:

```
"http://localhost:8080/colibri/stats"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.jitsi.user
User name under which the jitsi exporter shall be run.

Type: string

Default:

```
"jitsi-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.json.enable

Whether to enable the prometheus json exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.json.configFile

Path to configuration file.

Type: absolute path

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.json.extraFlags

Extra commandline options to pass to the json exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.json.firewallFilter

Specify a filter for iptables to use when **services.prometheus.exporters.json.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 7979"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.json.firewallRules

Specify rules for nftables to add to the input chain when **services.prometheus.exporters.json.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 7979 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.json.group
Group under which the json exporter shall be run.

Type: string

Default:

```
"json-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.json.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.json.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.json.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
7979
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.json.user
User name under which the json exporter shall be run.

Type: string

Default:

```
"json-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.junos-czerwonk.enable
Whether to enable the prometheus junos-czerwonk exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.junos−czerwonk.configuration
JunOS exporter configuration as nix attribute set. Mutually exclusive with the ‘configurationFile’ option.

Type: null or (attribute set)

Default:

```
null
```

Example:

```
{
  devices = [
    {
      host = "router1";
      key_file = "/path/to/key";
    }
  ];
}
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.junos−czerwonk.configurationFile
Specify the JunOS exporter configuration file to use.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.junos−czerwonk.environmentFile
File containing env−vars to be substituted into the exporter’s config.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.junos−czerwonk.extraFlags
Extra commandline options to pass to the junos−czerwonk exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.junos−czerwonk.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.junos−czerwonk.openFirewall** is true. It is used as 'ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept'.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9326"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.junos−czerwonk.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.junos−czerwonk.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9326 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.junos−czerwonk.group
Group under which the junos−czerwonk exporter shall be run.

Type: string

Default:

```
"junos−czerwonk−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.junos−czerwonk.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.junos−czerwonk.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.junos−czerwonk.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9326
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.junos−czerwonk.telemetryPath
Path under which to expose metrics.

Type: string

Default:

```
"/metrics"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.junos−czerwonk.user
User name under which the junos−czerwonk exporter shall be run.

Type: string

Default:

```
"junos−czerwonk−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.kafka.enable
Whether to enable the prometheus kafka exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.kafka.package
The kminion package to use.

Type: package

Default:

```
pkgs.kminion
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.kafka.environmentFile

File containing the credentials to access the repository, in the format of an EnvironmentFile as described by systemd.exec(5)

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.kafka.extraFlags

Extra commandline options to pass to the kafka exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.kafka.firewallFilter

Specify a filter for iptables to use when **services.prometheus.exporters.kafka.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 8080"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.kafka.firewallRules

Specify rules for nftables to add to the input chain when **services.prometheus.exporters.kafka.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 8080 counter accept
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.kafka.group

Group under which the kafka exporter shall be run.

Type: string

Default:

```
"kafka−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.kafka.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.kafka.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.kafka.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.kafka.user
User name under which the kafka exporter shall be run.

Type: string

Default:

```
"kafka-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.kea.enable
Whether to enable the prometheus kea exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.kea.extraFlags

Extra commandline options to pass to the kea exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.kea.firewallFilter

Specify a filter for iptables to use when **services.prometheus.exporters.kea.openFirewall** is true. It is used as 'ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept'.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9547"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.kea.firewallRules

Specify rules for nftables to add to the input chain when **services.prometheus.exporters.kea.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9547 counter accept
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.kea.group

Group under which the kea exporter shall be run.

Type: string

Default:

```
"kea−exporter"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.kea.listenAddress

Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.kea.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.kea.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9547
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.kea.targets
Paths or URLs to the Kea control socket.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "/run/kea/kea-dhcp4.socket"
  "/run/kea/kea-dhcp6.socket"
  "http://127.0.0.1:8547"
]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.kea.user
User name under which the kea exporter shall be run.

Type: string

Default:

```
"kea-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.keylight.enable
Whether to enable the prometheus keylight exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.keylight.extraFlags
Extra commandline options to pass to the keylight exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.keylight.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.keylight.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9288"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.keylight.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.keylight.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9288 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.keylight.group
Group under which the keylight exporter shall be run.

Type: string

Default:

```
"keylight−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.keylight.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.keylight.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.keylight.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9288
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.keylight.user
User name under which the keylight exporter shall be run.

Type: string

Default:

```
"keylight-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.klipper.enable
Whether to enable the prometheus klipper exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.klipper.package
The prometheus-klipper-exporter package to use.

Type: package

Default:

```
pkgs.prometheus-klipper-exporter
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.klipper.extraFlags
Extra commandline options to pass to the klipper exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.klipper.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.klipper.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9101"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.klipper.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.klipper.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9101 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.klipper.group
Group under which the klipper exporter shall be run.

Type: string

Default:

```
"klipper−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.klipper.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.klipper.moonrakerApiKey
API Key to authenticate with the Moonraker APIs. Only needed if the host running the exporter is not a trusted client to Moonraker.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.klipper.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.klipper.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9101
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.klipper.user
User name under which the klipper exporter shall be run.

Type: string

Default:

```
"klipper-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.knot.enable
Whether to enable the prometheus knot exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.knot.extraFlags
Extra commandline options to pass to the knot exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.knot.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.knot.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9433"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.knot.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.knot.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9433 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.knot.group
Group under which the knot exporter shall be run.

Type: string

Default:

```
"knot−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.knot.knotLibraryPath
Path to the library of ‘knot−dns’.

Type: null or string

Default:

```
null
```

Example:

```
"${pkgs.knot−dns.out}/lib/libknot.so"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.knot.knotSocketPath
Socket path of **knotd**(8).

Type: string

Default:

```
"/run/knot/knot.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.knot.knotSocketTimeout
Timeout in seconds.

Type: positive integer, meaning >0

Default:

```
2000
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.knot.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.knot.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.knot.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9433
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.knot.user
User name under which the knot exporter shall be run.

Type: string

Default:

```
"knot-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.libvirt.enable
Whether to enable the prometheus libvirt exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.libvirt.extraFlags
Extra commandline options to pass to the libvirt exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.libvirt.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.libvirt.openFirewall** is true. It is used as ‘ip46tables -I nixos-fw firewallFilter -j nixos-fw-accept’.

Type: null or string

Default:

```
null
```

Example:

```
"-i eth0 -p tcp -m tcp --dport 9177"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.libvirt.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.libvirt.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9177 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.libvirt.group
Group under which the libvirt exporter shall be run.

Type: string

Default:

```
"libvirt-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.libvirt.libvirtUri
Libvirt URI from which to extract metrics

Type: string

Default:

```
"qemu:///system"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.libvirt.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.libvirt.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.libvirt.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9177
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.libvirt.user
User name under which the libvirt exporter shall be run.

Type: string

Default:

```
"libvirt-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.lnd.enable
Whether to enable the prometheus lnd exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.lnd.extraFlags
Extra commandline options to pass to the lnd exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.lnd.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.lnd.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9092"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.lnd.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.lnd.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9092 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.lnd.group
Group under which the lnd exporter shall be run.

Type: string

Default:

```
"lnd-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.lnd.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.lnd.lndHost
lnd instance gRPC address:port.

Type: string

Default:

```
"localhost:10009"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.lnd.lndMacaroonDir
Path to lnd macaroons.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.lnd.lndTlsPath
Path to lnd TLS certificate.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.lnd.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.lnd.port

Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9092
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.lnd.user

User name under which the lnd exporter shall be run.

Type: string

Default:

```
"lnd-exporter"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mail.enable

Whether to enable the prometheus mail exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mail.configFile

Specify the mailexporter configuration file to use.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mail.configuration

Specify the mailexporter configuration file to use.

Type: null or (submodule)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mail.configuration.disableFileDeletion
Disables the exporter's function to delete probing mails.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mail.configuration.mailCheckTimeout
Timeout until mails are considered "didn't make it".

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mail.configuration.monitoringInterval
Time interval between two probe attempts.

Type: string

Example:

```
"10s"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mail.configuration.servers
List of servers that should be probed.

Note: if your mailserver has **rspamd**(8) configured, it can happen that emails from this exporter are marked as spam.

It's possible to work around the issue with a config like this:

```
{
  services.rspamd.locals."multimap.conf".text = ''
    ALLOWLIST_PROMETHEUS {
      filter = "email:domain:tld";
      type = "from";
      map = "${pkgs.writeText "allowmap" "domain.tld"}";
      score = -100.0;
    }
  '';
}
```

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[ {
  name = "testserver";
  server = "smtp.domain.tld";
  port = 587;
  from = "exporteruser@domain.tld";
  to = "exporteruser@domain.tld";
  detectionDir = "/path/to/Maildir/new";
```

```
} ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mail.configuration.servers.*.detectionDir
Directory in which new mails for the exporter user are placed. Note that this needs to exist when the exporter starts.

Type: absolute path

Example:

```
"/var/spool/mail/exporteruser/new"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mail.configuration.servers.*.from
Content of 'From' Header for probing mails.

Type: string

Example:

```
"exporteruser@domain.tld"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mail.configuration.servers.*.login
Username to use for SMTP authentication.

Type: null or string

Default:

```
null
```

Example:

```
"exporteruser@domain.tld"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mail.configuration.servers.*.name
Value for label 'configname' which will be added to all metrics.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mail.configuration.servers.*.passphrase
Password to use for SMTP authentication.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mail.configuration.servers.*.port
Port to use for SMTP.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Example:

```
587
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mail.configuration.servers.*.server
Hostname of the server that should be probed.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mail.configuration.servers.*.to
Content of 'To' Header for probing mails.

Type: string

Example:

```
"exporteruser@domain.tld"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mail.environmentFile
File containing env−vars to be substituted into the exporter's config.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mail.extraFlags
Extra commandline options to pass to the mail exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mail.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.mail.openFirewall** is true. It is used as 'ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept'.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9225"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mail.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.mail.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9225 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mail.group
Group under which the mail exporter shall be run.

Type: string

Default:

```
"mail-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mail.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mail.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mail.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9225
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mail.telemetryPath
Path under which to expose metrics.

Type: string

Default:

```
"/metrics"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mail.user
User name under which the mail exporter shall be run.

Type: string

Default:

```
"mail-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mailman3.enable
Whether to enable the prometheus mailman3 exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mailman3.extraFlags
Extra commandline options to pass to the mailman3 exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mailman3.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.mailman3.openFirewall** is true. It is used as ‘ip46tables -I nixos-fw firewallFilter -j nixos-fw-accept’.

Type: null or string

Default:

```
null
```

Example:

```
"-i eth0 -p tcp -m tcp --dport 9934"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mailman3.firewallRules

Specify rules for nftables to add to the input chain when **services.prometheus.exporters.mailman3.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9934 counter accept
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mailman3.group

Group under which the mailman3 exporter shall be run.

Type: string

Default:

```
"mailman3-exporter"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mailman3.listenAddress

Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mailman3.logLevel

Detail level to log.

Type: one of "debug", "info", "warning", "error", "critical"

Default:

```
"info"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mailman3.mailman.addr

Mailman3 Core REST API address.

Type: string

Default:

```
"http://127.0.0.1:8001"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mailman3.mailman.passFile
Mailman3 Core REST API password.

Type: string

Default:

```
config.services.mailman.restApiPassFile
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mailman3.mailman.user
Mailman3 Core REST API username.

Type: string

Default:

```
"restadmin"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mailman3.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mailman3.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9934
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mailman3.user
User name under which the mailman3 exporter shall be run.

Type: string

Default:

```
"mailman3-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mikrotik.enable
Whether to enable the prometheus mikrotik exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mikrotik.configFile

Path to a mikrotik exporter configuration file. Mutually exclusive with **configuration** option.

Type: null or absolute path

Default:

```
null
```

Example:

```
./mikrotik.yml
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mikrotik.configuration

Mikrotik exporter configuration as nix attribute set. Mutually exclusive with **configFile** option.

See **https://github.com/nshttpd/mikrotik-exporter/blob/master/README.md** for the description of the configuration file format.

Type: null or (attribute set)

Default:

```
null
```

Example:

```
{
  devices = [
    {
      name = "my_router";
      address = "10.10.0.1";
      user = "prometheus";
      password = "changeme";
    }
  ];
  features = {
    bgp = true;
    dhcp = true;
    routes = true;
    optics = true;
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mikrotik.extraFlags

Extra commandline options to pass to the mikrotik exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mikrotik.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.mikrotik.openFirewall** is true. It is used as 'ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept'.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9436"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mikrotik.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.mikrotik.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9436 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mikrotik.group
Group under which the mikrotik exporter shall be run.

Type: string

Default:

```
"mikrotik−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mikrotik.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mikrotik.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mikrotik.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9436
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mikrotik.user
User name under which the mikrotik exporter shall be run.

Type: string

Default:

```
"mikrotik-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.modemmanager.enable
Whether to enable the prometheus modemmanager exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.modemmanager.extraFlags
Extra commandline options to pass to the modemmanager exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.modemmanager.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.modemmanager.openFirewall** is true. It is used as ‘ip46tables -I nixos-fw firewallFilter -j nixos-fw-accept’.

Type: null or string

Default:

```
null
```

Example:

```
"-i eth0 -p tcp -m tcp --dport 9539"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.modemmanager.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.modemmanager.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9539 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.modemmanager.group
Group under which the modemmanager exporter shall be run.

Type: string

Default:

```
"modemmanager-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.modemmanager.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.modemmanager.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.modemmanager.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9539
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.modemmanager.refreshRate

How frequently ModemManager will refresh the extended signal quality information for each modem. The duration should be specified in seconds (“5s”), minutes (“1m”), or hours (“1h”).

Type: string

Default:

```
"5s"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.modemmanager.user

User name under which the modemmanager exporter shall be run.

Type: string

Default:

```
"modemmanager-exporter"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mongodb.enable

Whether to enable the prometheus mongodb exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mongodb.collStats

List of comma separared databases.collections to get $collStats

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "db1.coll1"
  "db2"
]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mongodb.collectAll

Enable all collectors. Same as specifying all −−collector.<name>

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mongodb.collector
Enabled collectors

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "diagnosticdata"
  "replicasetstatus"
  "dbstats"
  "topmetrics"
  "currentopmetrics"
  "indexstats"
  "dbstats"
  "profile"
]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mongodb.extraFlags
Extra commandline options to pass to the mongodb exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mongodb.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.mongodb.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9216"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mongodb.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.mongodb.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9216 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mongodb.group
Group under which the mongodb exporter shall be run.

Type: string

Default:

```
"mongodb-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mongodb.indexStats
List of comma separared databases.collections to get $indexStats

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "db1.coll1"
  "db2"
]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mongodb.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mongodb.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mongodb.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9216
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mongodb.telemetryPath
Metrics expose path

Type: string

Default:

```
"/metrics"
```

Example:

```
"/metrics"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mongodb.uri
MongoDB URI to connect to.

Type: string

Default:

```
"mongodb://localhost:27017/test"
```

Example:

```
"mongodb://localhost:27017/test"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mongodb.user
User name under which the mongodb exporter shall be run.

Type: string

Default:

```
"mongodb-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mqtt.enable
Whether to enable the prometheus mqtt exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mqtt.environmentFile
File to load as environment file. Useful for e.g. setting ‘MQTT_PASSWORD’ without putting any secrets into the Nix store.

Type: null or absolute path

Default:

```
null
```

Example:

```
[
  "/run/secrets/mqtt-exporter"
]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mqtt.esphomeTopicPrefixes
MQTT topic used for ESPHome messages.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mqtt.extraFlags
Extra commandline options to pass to the mqtt exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mqtt.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.mqtt.openFirewall** is true. It is used as 'ip46tables -I nixos-fw firewallFilter -j nixos-fw-accept'.

Type: null or string

Default:

```
null
```

Example:

```
"-i eth0 -p tcp -m tcp --dport 9000"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mqtt.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.mqtt.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9000 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mqtt.group
Group under which the mqtt exporter shall be run.

Type: string

Default:

```
"mqtt-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mqtt.hubitatTopicPrefixes
MQTT topic used for Hubitat messages.

Type: list of string

Default:

```
[
  "hubitat/"
]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mqtt.keepFullTopic
Whether to enable Keep entire topic instead of the first two elements only. Usecase: Shelly 3EM.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mqtt.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mqtt.logLevel
Logging level

Type: one of “CRITICAL”, “ERROR”, “WARNING”, “INFO”, “DEBUG”

Default:

```
"INFO"
```

Example:

```
"DEBUG"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mqtt.logMqttMessage
Whether to enable Log MQTT original message, only if 'LOG_LEVEL' is set to DEBUG…

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mqtt.mqttAddress
IP or hostname of MQTT broker.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mqtt.mqttClientId
Set client ID manually for MQTT connection

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mqtt.mqttExposeClientId
Whether to enable Expose the client ID as a label in Prometheus metrics…

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mqtt.mqttIgnoredTopics
Lists of topics to ignore. Accepts wildcards.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mqtt.mqttKeepAlive
Keep alive interval to maintain connection with MQTT broker.

Type: signed integer

Default:

```
60
```

Example:

```
30
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mqtt.mqttPort
TCP port of MQTT broker.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
1883
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mqtt.mqttTopic
Topic path to subscribe to.

Type: string

Default:

```
"#"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mqtt.mqttUsername
Username which should be used to authenticate against the MQTT broker.

Type: null or string

Default:

```
null
```

Example:

```
"mqttexporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mqtt.mqttV5Protocol
Whether to enable Force to use MQTT protocol v5 instead of 3.1.1…

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mqtt.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mqtt.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9000
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mqtt.prometheusPrefix
Prefix added to the metric name.

Type: string

Default:

```
"mqtt_"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mqtt.topicLabel
Define the Prometheus label for the topic.

Type: string

Default:

```
"topic"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mqtt.user
User name under which the mqtt exporter shall be run.

Type: string

Default:

```
"mqtt-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mqtt.zigbee2MqttAvailability
Whether to enable Normalize sensor name for device availability metric added by Zigbee2MQTT…

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mqtt.zwaveTopicPrefix
MQTT topic used for Zwavejs2Mqtt messages.

Type: string

Default:

```
"zwave/"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mysqld.enable
Whether to enable the prometheus mysqld exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mysqld.configFile
Path to the services config file.

See **https://github.com/prometheus/mysqld_exporter#running** for more information about the available options.

::: {.warn} Please do not store this file in the nix store if you choose to include any credentials here, as it would be world−readable. :::

Type: absolute path

Example:

```
"/var/lib/prometheus-mysqld-exporter.cnf"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mysqld.extraFlags
Extra commandline options to pass to the mysqld exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mysqld.firewallFilter

Specify a filter for iptables to use when **services.prometheus.exporters.mysqld.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9104"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mysqld.firewallRules

Specify rules for nftables to add to the input chain when **services.prometheus.exporters.mysqld.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9104 counter accept
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mysqld.group

Group under which the mysqld exporter shall be run.

Type: string

Default:

```
"mysqld−exporter"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mysqld.listenAddress

Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mysqld.openFirewall

Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mysqld.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9104
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mysqld.runAsLocalSuperUser
Whether to run the exporter as **services.mysql.user**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mysqld.telemetryPath
Path under which to expose metrics.

Type: string

Default:

```
"/metrics"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.mysqld.user
User name under which the mysqld exporter shall be run.

Type: string

Default:

```
"mysqld-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nats.enable
Whether to enable the prometheus nats exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nats.extraFlags

Extra commandline options to pass to the nats exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nats.firewallFilter

Specify a filter for iptables to use when **services.prometheus.exporters.nats.openFirewall** is true. It is used as 'ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept'.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 7777"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nats.firewallRules

Specify rules for nftables to add to the input chain when **services.prometheus.exporters.nats.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 7777 counter accept
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nats.group

Group under which the nats exporter shall be run.

Type: string

Default:

```
"nats−exporter"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nats.listenAddress

Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nats.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nats.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
7777
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nats.url
NATS monitor endpoint to query.

Type: string

Default:

```
"http://127.0.0.1:8222"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nats.user
User name under which the nats exporter shall be run.

Type: string

Default:

```
"nats-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nextcloud.enable
Whether to enable the prometheus nextcloud exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nextcloud.extraFlags

Extra commandline options to pass to the nextcloud exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nextcloud.firewallFilter

Specify a filter for iptables to use when **services.prometheus.exporters.nextcloud.openFirewall** is true. It is used as 'ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept'.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9205"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nextcloud.firewallRules

Specify rules for nftables to add to the input chain when **services.prometheus.exporters.nextcloud.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9205 counter accept
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nextcloud.group

Group under which the nextcloud exporter shall be run.

Type: string

Default:

```
"nextcloud−exporter"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nextcloud.listenAddress

Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nextcloud.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nextcloud.passwordFile
File containing the password for connecting to Nextcloud. Make sure that this file is readable by the exporter user.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/path/to/password-file"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nextcloud.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9205
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nextcloud.timeout
Timeout for getting server info document.

Type: string

Default:

```
"5s"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nextcloud.tokenFile
File containing the token for connecting to Nextcloud. Make sure that this file is readable by the exporter user.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/path/to/token-file"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nextcloud.url
URL to the Nextcloud serverinfo page. Adding the path to the serverinfo API is optional, it defaults to '/ocs/v2.php/apps/serverinfo/api/v1/info'.

Type: string

Example:

```
"https://domain.tld"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nextcloud.user
User name under which the nextcloud exporter shall be run.

Type: string

Default:

```
"nextcloud-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nextcloud.username
Username for connecting to Nextcloud. Note that this account needs to have admin privileges in Nextcloud. Unused when using token authentication.

Type: string

Default:

```
"nextcloud-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nginx.enable
Whether to enable the prometheus nginx exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nginx.constLabels
A list of constant labels that will be used in every metric.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "label1=value1"
```

```
  "label2=value2"
]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nginx.extraFlags
Extra commandline options to pass to the nginx exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nginx.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.nginx.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9113"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nginx.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.nginx.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9113 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nginx.group
Group under which the nginx exporter shall be run.

Type: string

Default:

```
"nginx−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nginx.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nginx.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nginx.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9113
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nginx.scrapeUri
Address to access the nginx status page. Can be enabled with services.nginx.statusPage = true.

Type: string

Default:

```
"http://localhost/nginx_status"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nginx.sslVerify
Whether to perform certificate verification for https.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nginx.telemetryPath
Path under which to expose metrics.

Type: string

Default:

```
"/metrics"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nginx.user
User name under which the nginx exporter shall be run.

Type: string

Default:

```
"nginx-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nginxlog.enable
Whether to enable the prometheus nginxlog exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nginxlog.extraFlags
Extra commandline options to pass to the nginxlog exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nginxlog.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.nginxlog.openFirewall** is true. It is used as 'ip46tables -I nixos-fw firewallFilter -j nixos-fw-accept'.

Type: null or string

Default:

```
null
```

Example:

```
"-i eth0 -p tcp -m tcp --dport 9117"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nginxlog.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.nginxlog.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9117 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nginxlog.group
Group under which the nginxlog exporter shall be run.

Type: string

Default:

```
"nginxlog-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nginxlog.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nginxlog.metricsEndpoint
Path under which to expose metrics.

Type: string

Default:

```
"/metrics"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nginxlog.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nginxlog.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9117
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nginxlog.settings

All settings of nginxlog expressed as an Nix attrset.

Check the official documentation for the corresponding YAML settings that can all be used here: **https://github.com/martin−helmich/prometheus−nginxlog−exporter**

The ‘listen’ object is already generated by ‘port’, ‘listenAddress’ and ‘metricsEndpoint’ and will be merged with the value of ‘settings’ before writing it as JSON.

Type: submodule

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nginxlog.settings.consul

Consul integration options. For more information see the **example config**.

This is disabled by default.

Type: null or (attribute set of anything)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nginxlog.settings.namespaces

Namespaces to collect the metrics for. For more information see the **example config**.

Type: list of attribute set of anything

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nginxlog.user

User name under which the nginxlog exporter shall be run.

Type: string

Default:

```
"nginxlog−exporter"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.node.enable

Whether to enable the prometheus node exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.node.enabledCollectors
Collectors to enable. The collectors listed here are enabled in addition to the default ones.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "systemd"
]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.node.disabledCollectors
Collectors to disable which are enabled by default.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "timex"
]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.node.extraFlags
Extra commandline options to pass to the node exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.node.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.node.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9100"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.node.firewallRules

Specify rules for nftables to add to the input chain when **services.prometheus.exporters.node.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9100 counter accept
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.node.group

Group under which the node exporter shall be run.

Type: string

Default:

```
"node-exporter"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.node.listenAddress

Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.node.openFirewall

Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.node.port

Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9100
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.node.user
User name under which the node exporter shall be run.

Type: string

Default:

```
"node-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.node-cert.enable
Whether to enable the prometheus node-cert exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.node-cert.excludeGlobs
List files matching a pattern to include. Uses Go blob pattern.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.node-cert.excludePaths
List of paths to exclute from searching for SSL certificates.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.node-cert.extraFlags
Extra commandline options to pass to the node-cert exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.node−cert.firewallFilter

Specify a filter for iptables to use when **services.prometheus.exporters.node−cert.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9141"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.node−cert.firewallRules

Specify rules for nftables to add to the input chain when **services.prometheus.exporters.node−cert.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9141 counter accept
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.node−cert.group

Group under which the node−cert exporter shall be run.

Type: string

Default:

```
"node−cert−exporter"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.node−cert.includeGlobs

List files matching a pattern to include. Uses Go blob pattern.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.node−cert.listenAddress

Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.node−cert.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.node−cert.paths
List of paths to search for SSL certificates.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.node−cert.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9141
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.node−cert.user
User owning the certs.

Type: string

Default:

```
"acme"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nut.enable
Whether to enable the prometheus nut exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nut.extraFlags

Extra commandline options to pass to the nut exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nut.firewallFilter

Specify a filter for iptables to use when **services.prometheus.exporters.nut.openFirewall** is true. It is used as 'ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept'.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9199"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nut.firewallRules

Specify rules for nftables to add to the input chain when **services.prometheus.exporters.nut.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9199 counter accept
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nut.group

Group under which the nut exporter shall be run.

Type: string

Default:

```
"nut−exporter"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nut.listenAddress

Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nut.nutServer
Hostname or address of the NUT server

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nut.nutUser
The user to log in into NUT server. If set, passwordPath should also be set.

Default NUT configs usually permit reading variables without authentication.

Type: string

Default:

```
""
```

Example:

```
"nut"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nut.nutVariables
List of NUT variable names to monitor.

If no variables are set, all numeric variables will be exported automatically. See the **upstream docs** for more information.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nut.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nut.passwordPath
A run−time path to the nutUser password file, which should be provisioned outside of Nix store.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nut.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9199
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nut.user
User name under which the nut exporter shall be run.

Type: string

Default:

```
"nut-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nvidia-gpu.enable
Whether to enable the prometheus nvidia-gpu exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nvidia-gpu.extraFlags
Extra commandline options to pass to the nvidia-gpu exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nvidia-gpu.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.nvidia-gpu.openFirewall** is true. It is used as 'ip46tables -I nixos-fw firewallFilter -j nixos-fw-accept'.

Type: null or string

Default:

```
null
```

Example:

```
"-i eth0 -p tcp -m tcp --dport 9835"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nvidia−gpu.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.nvidia−gpu.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9835 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nvidia−gpu.group
Group under which the nvidia−gpu exporter shall be run.

Type: string

Default:

```
"nvidia−gpu−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nvidia−gpu.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nvidia−gpu.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nvidia−gpu.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9835
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.nvidia−gpu.user
User name under which the nvidia−gpu exporter shall be run.

Type: string

Default:

```
"nvidia−gpu−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.opnsense.enable
Whether to enable the prometheus opnsense exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.opnsense.enabledExporter
Collectors to enable or disable. All collectors are enabled by default.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "disable−openvpn"
]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.opnsense.apiKeyFile
File containing the api key.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.opnsense.apiSecretFile
File containing the api secret.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.opnsense.disabledExporter
Collectors to enable or disable. All collectors are enabled by default.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "disable-openvpn"
]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.opnsense.extraFlags
Extra commandline options to pass to the opnsense exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.opnsense.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.opnsense.openFirewall** is true. It is used as 'ip46tables -I nixos-fw firewallFilter -j nixos-fw-accept'.

Type: null or string

Default:

```
null
```

Example:

```
"-i eth0 -p tcp -m tcp --dport 9144"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.opnsense.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.opnsense.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9144 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.opnsense.group
Group under which the opnsense exporter shall be run.

Type: string

Default:

```
"opnsense"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.opnsense.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.opnsense.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.opnsense.opnsenseServerAddress
Opnsense IP address of the opnsense appliance. Defaults to 192.168.1.1

Type: string

Default:

```
"192.168.1.1"
```

Example:

```
"192.168.100.254"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.opnsense.opnsenseServerProtocol
Opnsense metrics scraper protocol to use. Defaults to https.

Type: one of “http”, “https”

Default:

```
"https"
```

Example:

```
"http"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.opnsense.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9144
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.opnsense.user
User name under which the opensense exporter shall be run.

Type: string

Default:

```
"opnsense"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pgbouncer.enable
Whether to enable the prometheus pgbouncer exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pgbouncer.package
The prometheus-pgbouncer-exporter package to use.

Type: package

Default:

```
pkgs.prometheus-pgbouncer-exporter
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pgbouncer.connectionEnvFile
File that must contain the environment variable 'PGBOUNCER_EXPORTER_CONNECTION_STRING' which is set to the connection string used by pgbouncer. I.e. the format is supposed to look like this:

```
PGBOUNCER_EXPORTER_CONNECTION_STRING="postgres://admin@localhost:64 \
32/pgbouncer?sslmode=require"
```

NOTE: You MUST keep pgbouncer as database name (special internal db)! NOTE: 'services.pgbouncer.settings.pgbouncer.ignore_startup_parameters' MUST contain "extra_float_digits".

Mutually exclusive with **services.prometheus.exporters.pgbouncer.connectionString**.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pgbouncer.connectionString
Connection string for accessing pgBouncer.

NOTE: You MUST keep pgbouncer as database name (special internal db)!!!

NOTE: ignore_startup_parameters MUST contain “extra_float_digits”.

NOTE: Admin user (with password or passwordless) MUST exist in the auth_file if auth_type other than “any” is used.

WARNING: this secret is stored in the world−readable Nix store! Use **services.prometheus.exporters.pgbouncer.connectionEnvFile** if the URL contains a secret.

Type: null or string

Default:

```
null
```

Example:

```
"postgres://admin:@localhost:6432/pgbouncer?sslmode=require"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pgbouncer.extraFlags
Extra commandline options when launching Prometheus.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pgbouncer.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.pgbouncer.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9127"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pgbouncer.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.pgbouncer.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9127 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pgbouncer.group
Group under which the pgbouncer exporter shall be run.

Type: string

Default:

```
"pgbouncer-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pgbouncer.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pgbouncer.logFormat
Output format of log messages. One of: [logfmt, json]

Type: one of “logfmt”, “json”

Default:

```
"logfmt"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pgbouncer.logLevel
Only log messages with the given severity or above.

Type: one of “debug”, “info”, “warn”, “error”

Default:

```
"info"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pgbouncer.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pgbouncer.pidFile

Path to PgBouncer pid file.

If provided, the standard process metrics get exported for the PgBouncer process, prefixed with 'pgbouncer_process_…'. The pgbouncer_process exporter needs to have read access to files owned by the PgBouncer process. Depends on the availability of /proc.

https://prometheus.io/docs/instrumenting/writing_clientlibs/#process−metrics.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pgbouncer.port

Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9127
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pgbouncer.telemetryPath

Path under which to expose metrics.

Type: string

Default:

```
"/metrics"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pgbouncer.user

User name under which the pgbouncer exporter shall be run.

Type: string

Default:

```
"pgbouncer−exporter"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pgbouncer.webConfigFile

Path to configuration file that can enable TLS or authentication.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pgbouncer.webSystemdSocket

Use systemd socket activation listeners instead of port listeners (Linux only).

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.php−fpm.enable

Whether to enable the prometheus php−fpm exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.php−fpm.package

The prometheus−php−fpm−exporter package to use.

Type: package

Default:

```
pkgs.prometheus-php-fpm-exporter
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.php−fpm.environmentFile

Environment file as defined in **systemd.exec**(5).

Secrets may be passed to the service without adding them to the world−readable Nix store, by specifying placeholder variables as the option value in Nix and setting these variables accordingly in the environment file.

Environment variables from this file will be interpolated into the config file using envsubst with this syntax: '$ENVIRONMENT ${VARIABLE}'

For variables to use see **options and defaults**.

The main use is to set the PHP_FPM_SCRAPE_URI that indicate how to connect to PHP−FPM process.

```
# Content of the environment file
PHP_FPM_SCRAPE_URI="unix:///tmp/php.sock;/status"
```

Note that this file needs to be available on the host on which this exporter is running.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/root/prometheus-php-fpm-exporter.env"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.php−fpm.extraFlags
Extra commandline options to pass to the php−fpm exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.php−fpm.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.php−fpm.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9253"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.php−fpm.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.php−fpm.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9253 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.php−fpm.group
Group under which the php−fpm exporter shall be run.

Type: string

Default:

```
"php−fpm−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.php−fpm.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.php−fpm.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.php−fpm.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9253
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.php−fpm.telemetryPath
Path under which to expose metrics.

Type: string

Default:

```
"/metrics"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.php−fpm.user
User name under which the php−fpm exporter shall be run.

Type: string

Default:

```
"php-fpm-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pihole.enable
Whether to enable the prometheus pihole exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pihole.apiToken

Pi−Hole API token which can be used instead of a password

Type: string

Default:

```
""
```

Example:

```
"580a770cb40511eb85290242ac130003580a770cb40511eb85290242ac130003"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pihole.extraFlags

Extra commandline options to pass to the pihole exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pihole.firewallFilter

Specify a filter for iptables to use when **services.prometheus.exporters.pihole.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9617"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pihole.firewallRules

Specify rules for nftables to add to the input chain when **services.prometheus.exporters.pihole.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9617 counter accept
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pihole.group

Group under which the pihole exporter shall be run.

Type: string

Default:

```
"pihole−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pihole.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pihole.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pihole.password
The password to login into Pi−Hole. An api token can be used instead.

Type: string

Default:

```
""
```

Example:

```
"password"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pihole.piholeHostname
Hostname or address where to find the Pi−Hole webinterface

Type: string

Default:

```
"pihole"
```

Example:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pihole.piholePort
The port Pi−Hole webinterface is reachable on

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
80
```

Example:

```
443
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pihole.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9617
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pihole.protocol
The protocol which is used to connect to Pi−Hole

Type: one of “http”, “https”

Default:

```
"http"
```

Example:

```
"https"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pihole.timeout
Controls the timeout to connect to a Pi−Hole instance

Type: string

Default:

```
"5s"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pihole.user
User name under which the pihole exporter shall be run.

Type: string

Default:

```
"pihole-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ping.enable
Whether to enable the prometheus ping exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ping.extraFlags
Extra commandline options to pass to the ping exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ping.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.ping.openFirewall** is true. It is used as 'ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept'.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9427"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ping.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.ping.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9427 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ping.group
Group under which the ping exporter shall be run.

Type: string

Default:

```
"ping−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ping.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ping.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ping.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9427
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ping.settings
Configuration for ping_exporter, see **https://github.com/czerwonk/ping_exporter** for supported values.

Type: YAML 1.1 value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ping.telemetryPath
Path under which to expose metrics.

Type: string

Default:

```
"/metrics"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.ping.user
User name under which the ping exporter shall be run.

Type: string

Default:

```
"ping-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.postfix.enable
Whether to enable the prometheus postfix exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.postfix.package
The prometheus−postfix−exporter package to use.

Type: package

Default:

```
pkgs.prometheus−postfix−exporter
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.postfix.extraFlags
Extra commandline options to pass to the postfix exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.postfix.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.postfix.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9154"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.postfix.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.postfix.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9154 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.postfix.group
Group under which the postfix exporter shall be run. It should match the group that is allowed to access the 'showq' socket in the 'queue/public/' directory. Defaults to 'services.postfix.setgidGroup' when postfix is enabled.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.postfix.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.postfix.logfilePath
Path where Postfix writes log entries. This file will be truncated by this exporter!

Type: absolute path

Default:

```
"/var/log/postfix_exporter_input.log"
```

Example:

```
"/var/log/mail.log"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.postfix.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.postfix.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9154
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.postfix.showqPath
Path where Postfix places its showq socket.

Type: absolute path

Default:

```
"/var/lib/postfix/queue/public/showq"
```

Example:

```
"/var/spool/postfix/public/showq"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.postfix.systemd.enable
Whether to enable reading metrics from the systemd journal instead of from a logfile

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.postfix.systemd.journalPath
Path to the systemd journal.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.postfix.systemd.slice
Name of the postfix systemd slice. This overrides the **systemd.unit**.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.postfix.systemd.unit
Name of the postfix systemd unit.

Type: string

Default:

```
"postfix.service"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.postfix.telemetryPath
Path under which to expose metrics.

Type: string

Default:

```
"/metrics"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.postfix.user
User name under which the postfix exporter shall be run.

Type: string

Default:

```
"postfix-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.postgres.enable
Whether to enable the prometheus postgres exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.postgres.dataSourceName
Accepts PostgreSQL URI form and key=value form arguments.

Type: string

Default:

```
"user=postgres database=postgres host=/run/postgresql sslmode=disab \
le"
```

Example:

```
"postgresql://username:password@localhost:5432/postgres?sslmode=dis \
able"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.postgres.environmentFile
Environment file as defined in **systemd.exec**(5).

Secrets may be passed to the service without adding them to the world−readable Nix store, by specifying placeholder variables as the option value in Nix and setting these variables accordingly in the environment file.

Environment variables from this file will be interpolated into the config file using envsubst with this syntax: '$ENVIRONMENT ${VARIABLE}'

The main use is to set the DATA_SOURCE_NAME that contains the postgres password

note that contents from this file will override dataSourceName if you have set it from nix.

```
  # Content of the environment file
  DATA_SOURCE_NAME=postgresql://username:password@localhost:5432/po \
stgres?sslmode=disable
```

Note that this file needs to be available on the host on which this exporter is running.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/root/prometheus-postgres-exporter.env"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.postgres.extraFlags
Extra commandline options to pass to the postgres exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.postgres.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.postgres.openFirewall** is true. It is used as 'ip46tables -I nixos-fw firewallFilter -j nixos-fw-accept'.

Type: null or string

Default:

```
null
```

Example:

```
"-i eth0 -p tcp -m tcp --dport 9187"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.postgres.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.postgres.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9187 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.postgres.group
Group under which the postgres exporter shall be run.

Type: string

Default:

```
"postgres-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.postgres.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.postgres.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.postgres.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9187
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.postgres.runAsLocalSuperUser
Whether to run the exporter as the local ‘postgres’ super user.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.postgres.telemetryPath
Path under which to expose metrics.

Type: string

Default:

```
"/metrics"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.postgres.user
User name under which the postgres exporter shall be run.

Type: string

Default:

```
"postgres-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.process.enable
Whether to enable the prometheus process exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.process.extraFlags
Extra commandline options to pass to the process exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.process.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.process.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9256"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.process.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.process.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9256 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.process.group

Group under which the process exporter shall be run.

Type: string

Default:

```
"process-exporter"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.process.listenAddress

Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.process.openFirewall

Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.process.port

Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9256
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.process.settings.process_names

All settings expressed as an Nix attrset.

Check the official documentation for the corresponding YAML settings that can all be used here: **https://github.com/ncabatoff/process-exporter**

Type: list of anything

Default:

```
[ ]
```

Example:

```
[
  # Remove nix store path from process name
  { name = "{{.Matches.Wrapped}} {{ .Matches.Args }}"; cmdline = [  \
"^/nix/store[^ ]*/(?P<Wrapped>[^ /]*) (?P<Args>.*)" ]; }
]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.process.user
User name under which the process exporter shall be run.

Type: string

Default:

```
"process-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pve.enable
Whether to enable the prometheus pve exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pve.package
The prometheus-pve-exporter package to use.

Type: package

Default:

```
pkgs.prometheus-pve-exporter
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pve.collectors.cluster
Collect PVE cluster info

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pve.collectors.config
Collect PVE onboot status

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pve.collectors.node
Collect PVE node info

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pve.collectors.replication
Collect PVE replication info

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pve.collectors.resources
Collect PVE resources info

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pve.collectors.status
Collect Node/VM/CT status

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pve.collectors.version
Collect PVE version info

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pve.configFile
Path to the service's config file. This path can either be a computed path in /nix/store or a path in the local filesystem.

The config file should NOT be stored in /nix/store as it will contain passwords and/or keys in plain text.

If both configFile and environmentFile are provided, the configFile option will be ignored.

Configuration reference: **https://github.com/prometheus-pve/prometheus-pve-exporter/#authentication**

Type: null or absolute path

Default:

```
null
```

Example:

```
"/etc/prometheus-pve-exporter/pve.yml"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pve.environmentFile
Path to the service's environment file. This path can either be a computed path in /nix/store or a path in the local filesystem.

The environment file should NOT be stored in /nix/store as it contains passwords and/or keys in plain text.

Environment reference: **https://github.com/prometheus-pve/prometheus-pve-exporter#authentication**

Type: null or absolute path

Default:

```
null
```

Example:

```
"/etc/prometheus-pve-exporter/pve.env"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pve.extraFlags
Extra commandline options to pass to the pve exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pve.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.pve.openFirewall** is true. It is used as 'ip46tables -I nixos-fw firewallFilter -j nixos-fw-accept'.

Type: null or string

Default:

```
null
```

Example:

```
"-i eth0 -p tcp -m tcp --dport 9221"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pve.firewallRules

Specify rules for nftables to add to the input chain when **services.prometheus.exporters.pve.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9221 counter accept
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pve.group

Group under which the pve exporter shall be run.

Type: string

Default:

```
"pve-exporter"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pve.listenAddress

Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pve.openFirewall

Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pve.port

Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9221
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pve.server.certFile
Path to a SSL certificate file for the server

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/lib/prometheus-pve-exporter/full-chain.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pve.server.keyFile
Path to a SSL private key file for the server

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/lib/prometheus-pve-exporter/privkey.key"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.pve.user
User name under which the pve exporter shall be run.

Type: string

Default:

```
"pve-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.py-air-control.enable
Whether to enable the prometheus py-air-control exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.py-air-control.deviceHostname
The hostname of the air purification device from which to scrape the metrics.

Type: string

Example:

```
"192.168.1.123"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.py−air−control.extraFlags
Extra commandline options to pass to the py−air−control exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.py−air−control.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.py−air−control.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9896"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.py−air−control.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.py−air−control.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9896 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.py−air−control.group
Group under which the py−air−control exporter shall be run.

Type: string

Default:

```
"py−air−control−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.py−air−control.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.py−air−control.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.py−air−control.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9896
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.py−air−control.protocol
The protocol to use when communicating with the air purification device. Available: [http, coap, plain_coap]

Type: string

Default:

```
"http"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.py−air−control.stateDir
Directory below ‘/var/lib’ to store runtime data. This directory will be created automatically using systemd’s StateDirectory mechanism.

Type: string

Default:

```
"prometheus-py-air-control-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.py−air−control.user
User name under which the py−air−control exporter shall be run.

Type: string

Default:

```
"py-air-control-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.rasdaemon.enable

Whether to enable the prometheus rasdaemon exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.rasdaemon.enabledCollectors

List of error types to collect from the event database.

Type: list of (one of “aer”, “mce”, “mc”, “extlog”, “devlink”, “disk”)

Default:

```
[
  "aer"
  "mce"
  "mc"
]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.rasdaemon.databasePath

Path to the RAS daemon machine check event database.

Type: absolute path

Default:

```
"/var/lib/rasdaemon/ras-mc_event.db"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.rasdaemon.extraFlags

Extra commandline options to pass to the rasdaemon exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.rasdaemon.firewallFilter

Specify a filter for iptables to use when **services.prometheus.exporters.rasdaemon.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"-i eth0 -p tcp -m tcp --dport 10029"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.rasdaemon.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.rasdaemon.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 10029 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.rasdaemon.group
Group under which the rasdaemon exporter shall be run.

Type: string

Default:

```
"rasdaemon-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.rasdaemon.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.rasdaemon.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.rasdaemon.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
10029
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.rasdaemon.user
User name under which the rasdaemon exporter shall be run.

Type: string

Default:

```
"rasdaemon-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.redis.enable
Whether to enable the prometheus redis exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.redis.extraFlags
Extra commandline options to pass to the redis exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.redis.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.redis.openFirewall** is true. It is used as ‘ip46tables -I nixos-fw firewallFilter -j nixos-fw-accept’.

Type: null or string

Default:

```
null
```

Example:

```
"-i eth0 -p tcp -m tcp --dport 9121"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.redis.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.redis.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9121 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.redis.group
Group under which the redis exporter shall be run.

Type: string

Default:

```
"redis-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.redis.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.redis.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.redis.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9121
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.redis.user
User name under which the redis exporter shall be run.

Type: string

Default:

```
"redis-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.restic.enable
Whether to enable the prometheus restic exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.restic.environmentFile
File containing the credentials to access the repository, in the format of an EnvironmentFile as described by **systemd.exec**(5)

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.restic.extraFlags
Extra commandline options to pass to the restic exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.restic.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.restic.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9753"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.restic.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.restic.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9753 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.restic.group
Group under which the restic exporter shall be run.

Type: string

Default:

```
"restic-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.restic.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.restic.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.restic.passwordFile
File containing the password to the repository.

Type: absolute path

Example:

```
"/etc/nixos/restic-password"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.restic.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9753
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.restic.rcloneConfig
Configuration for the rclone remote being used for backup. See the remote's specific options under rclone's docs at **https://rclone.org/docs/**. When specifying option names, use the "config" name specified in the docs. For example, to set '−−b2−hard−delete' for a B2 remote, use 'hard_delete = true' in the attribute set.

Warning
Secrets set in here will be world−readable in the Nix store! Consider using the **rcloneConfigFile** option instead to specify secret values separately. Note that options set here will override those set in

the config file.

Type: attribute set of (string or boolean)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.restic.rcloneConfigFile
Path to the file containing rclone configuration. This file must contain configuration for the remote specified in this backup set and also must be readable by root.

Caution
Options set in 'rcloneConfig' will override those set in this file.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.restic.rcloneOptions
Options to pass to rclone to control its behavior. See **https://rclone.org/docs/#options** for available options. When specifying option names, strip the leading '−−'. To set a flag such as '−−drive−use−trash', which does not take a value, set the value to the Boolean 'true'.

Type: attribute set of (string or boolean)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.restic.refreshInterval
Refresh interval for the metrics in seconds. Computing the metrics is an expensive task, keep this value as high as possible.

Type: unsigned integer, meaning >=0

Default:

```
60
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.restic.repository
URI pointing to the repository to monitor.

Type: null or string

Default:

```
null
```

Example:

```
"sftp:backup@192.168.1.100:/backups/example"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.restic.repositoryFile
Path to the file containing the URI for the repository to monitor.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.restic.user
User name under which the restic exporter shall be run.

Type: string

Default:

```
"restic-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.rtl_433.enable
Whether to enable the prometheus rtl_433 exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.rtl_433.channels
List of channel matchers to export.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    channel = 6543;
    location = "Kitchen";
    name = "Acurite";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.rtl_433.channels.*.channel
Channel to match.

Type: signed integer

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.rtl_433.channels.*.location
Location to match.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.rtl_433.channels.*.name
Name to match.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.rtl_433.extraFlags
Extra commandline options to pass to the rtl_433 exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.rtl_433.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.rtl_433.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9550"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.rtl_433.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.rtl_433.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9550 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.rtl_433.group
Group under which the rtl_433 exporter shall be run.

Type: string

Default:

```
"rtl_433-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.rtl_433.ids
List of ID matchers to export.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    id = 1;
    location = "Bedroom";
    name = "Nexus";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.rtl_433.ids.*.id
ID to match.

Type: signed integer

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.rtl_433.ids.*.location
Location to match.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.rtl_433.ids.*.name
Name to match.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.rtl_433.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.rtl_433.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.rtl_433.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9550
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.rtl_433.rtl433Flags
Flags passed verbatim to rtl_433 binary. Having ‘−C si’ (the default) is recommended since only Celsius temperatures are parsed.

Type: string

Default:

```
"−C si"
```

Example:

```
"−C si −R 19"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.rtl_433.user
User name under which the rtl_433 exporter shall be run.

Type: string

Default:

```
"rtl_433−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.sabnzbd.enable

Whether to enable the prometheus sabnzbd exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.sabnzbd.extraFlags

Extra commandline options to pass to the sabnzbd exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.sabnzbd.firewallFilter

Specify a filter for iptables to use when **services.prometheus.exporters.sabnzbd.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9387"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.sabnzbd.firewallRules

Specify rules for nftables to add to the input chain when **services.prometheus.exporters.sabnzbd.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9387 counter accept
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.sabnzbd.group

Group under which the sabnzbd exporter shall be run.

Type: string

Default:

```
"sabnzbd−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.sabnzbd.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.sabnzbd.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.sabnzbd.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9387
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.sabnzbd.servers
List of sabnzbd servers to connect to.

Type: list of (submodule)

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.sabnzbd.servers.*.apiKeyFile
The path to a file containing the API key. The file is securely passed to the service by leveraging systemd credentials. No special permissions need to be set on this file.

Type: string

Example:

```
"/run/secrets/sabnzbd_apikey"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.sabnzbd.servers.*.baseUrl
Base URL of the sabnzbd server.

Type: string

Example:

```
"http://localhost:8080/sabnzbd"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.sabnzbd.user
User name under which the sabnzbd exporter shall be run.

Type: string

Default:

```
"sabnzbd-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.scaphandre.enable
Whether to enable the prometheus scaphandre exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.scaphandre.extraFlags
Extra commandline options to pass to the scaphandre exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.scaphandre.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.scaphandre.openFirewall** is true. It is used as 'ip46tables -I nixos-fw firewallFilter -j nixos-fw-accept'.

Type: null or string

Default:

```
null
```

Example:

```
"-i eth0 -p tcp -m tcp --dport 8080"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.scaphandre.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.scaphandre.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 8080 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.scaphandre.group
Group under which the scaphandre exporter shall be run.

Type: string

Default:

```
"scaphandre-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.scaphandre.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.scaphandre.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.scaphandre.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.scaphandre.telemetryPath
Path under which to expose metrics.

Type: string

Default:

```
"/metrics"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.scaphandre.user

User name under which the scaphandre exporter shall be run.

Type: string

Default:

```
"scaphandre-exporter"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.script.enable

Whether to enable the prometheus script exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.script.extraFlags

Extra commandline options to pass to the script exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.script.firewallFilter

Specify a filter for iptables to use when **services.prometheus.exporters.script.openFirewall** is true. It is used as ‘ip46tables -I nixos-fw firewallFilter -j nixos-fw-accept’.

Type: null or string

Default:

```
null
```

Example:

```
"-i eth0 -p tcp -m tcp --dport 9172"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.script.firewallRules

Specify rules for nftables to add to the input chain when **services.prometheus.exporters.script.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9172 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.script.group
Group under which the script exporter shall be run.

Type: string

Default:

```
"script-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.script.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.script.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.script.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9172
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.script.settings
Free-form configuration for script_exporter, expressed as a Nix attrset and rendered to YAML.

Migration note: The previous format using ‘script = "sleep 5"’ is no longer supported. You must use ‘command’ (list) and ‘args’ (list), e.g. ‘{ command = ["sleep"]; args = ["5"]; }’.

See the official documentation for all available options: **https://github.com/ricoberger/script_exporter#configuration-file**

Type: YAML 1.1 value

Default:

```
{ }
```

Example:

```
{
  scripts = [
```

```
      { name = "sleep"; command = [ "sleep" ]; args = [ "5" ]; }
    ];
  }
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.script.user
User name under which the script exporter shall be run.

Type: string

Default:

```
"script-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.shelly.enable
Whether to enable the prometheus shelly exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.shelly.extraFlags
Extra commandline options to pass to the shelly exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.shelly.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.shelly.openFirewall** is true. It is used as ‘ip46tables -I nixos-fw firewallFilter -j nixos-fw-accept’.

Type: null or string

Default:

```
null
```

Example:

```
"-i eth0 -p tcp -m tcp --dport 9784"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.shelly.firewallRules

Specify rules for nftables to add to the input chain when **services.prometheus.exporters.shelly.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9784 counter accept
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.shelly.group

Group under which the shelly exporter shall be run.

Type: string

Default:

```
"shelly-exporter"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.shelly.listenAddress

Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.shelly.metrics-file

Path to the JSON file with the metric definitions

Type: absolute path

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.shelly.openFirewall

Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.shelly.port

Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9784
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.shelly.user
User name under which the shelly exporter shall be run.

Type: string

Default:

```
"shelly-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.smartctl.enable
Whether to enable the prometheus smartctl exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.smartctl.devices
Paths to the disks that will be monitored. Will autodiscover all disks if none given.

Type: list of string

Default:

```
[ ]
```

Example:

```
[ "/dev/sda", "/dev/nvme0n1" ];
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.smartctl.extraFlags
Extra commandline options to pass to the smartctl exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.smartctl.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.smartctl.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"-i eth0 -p tcp -m tcp --dport 9633"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.smartctl.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.smartctl.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9633 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.smartctl.group
Group under which the smartctl exporter shall be run.

Type: string

Default:

```
"smartctl-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.smartctl.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.smartctl.maxInterval
Interval that limits how often a disk can be queried.

Type: string

Default:

```
"60s"
```

Example:

```
"2m"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.smartctl.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.smartctl.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9633
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.smartctl.user
User name under which the smartctl exporter shall be run.

Type: string

Default:

```
"smartctl-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.smokeping.enable
Whether to enable the prometheus smokeping exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.smokeping.buckets
List of buckets to use for the response duration histogram.

Type: strings concatenated with ","

Default:

```
"5e-05,0.0001,0.0002,0.0004,0.0008,0.0016,0.0032,0.0064,0.0128,0.0 \
256,0.0512,0.1024,0.2048,0.4096,0.8192,1.6384,3.2768,6.5536,13.1072 \
,26.2144"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.smokeping.extraFlags
Extra commandline options to pass to the smokeping exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.smokeping.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.smokeping.openFirewall** is true. It is used as 'ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept'.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9374"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.smokeping.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.smokeping.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9374 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.smokeping.group
Group under which the smokeping exporter shall be run.

Type: string

Default:

```
"smokeping−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.smokeping.hosts
List of endpoints to probe.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.smokeping.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.smokeping.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.smokeping.pingInterval
Interval between pings.

Type: Go duration (https://golang.org/pkg/time/#ParseDuration)

Default:

```
"1s"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.smokeping.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9374
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.smokeping.telemetryPath
Path under which to expose metrics.

Type: string

Default:

```
"/metrics"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.smokeping.user
User name under which the smokeping exporter shall be run.

Type: string

Default:

```
"smokeping-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.snmp.enable
Whether to enable the prometheus snmp exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.snmp.enableConfigCheck
Whether to run a correctness check for the configuration file. This depends on the configuration file residing in the nix−store. Paths passed as string will be copied to the store.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.snmp.configuration
Snmp exporter configuration as nix attribute set. Mutually exclusive with ‘configurationPath’ option.

Type: null or (attribute set)

Default:

```
null
```

Example:

```
{
  auths = {
    public_v2 = {
      community = "public";
      version = 2;
    };
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.snmp.configurationPath
Path to a snmp exporter configuration file. Mutually exclusive with ‘configuration’ option.

Type: null or absolute path

Default:

```
null
```

Example:

```
./snmp.yml
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.snmp.environmentFile
EnvironmentFile as defined in **systemd.exec**(5).

Secrets may be passed to the service without adding them to the world−readable Nix store, by specifying placeholder variables as the option value in Nix and setting these variables accordingly in the environment file.

Environment variables from this file will be interpolated into the config file using envsubst with this syntax: '$ENVIRONMENT ${VARIABLE}'

For variables to use see **Prometheus Configuration**.

If the file path is set to this option, the parameter '−−config.expand−environment−variables' is implicitly added to 'ExecStart'.

Note that this file needs to be available on the host on which this exporter is running.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/root/prometheus-snmp-exporter.env"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.snmp.extraFlags
Extra commandline options to pass to the snmp exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.snmp.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.snmp.openFirewall** is true. It is used as 'ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept'.

Type: null or string

Default:

```
null
```

Example:

```
"-i eth0 -p tcp -m tcp --dport 9116"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.snmp.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.snmp.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9116 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.snmp.group
Group under which the snmp exporter shall be run.

Type: string

Default:

```
"snmp-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.snmp.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.snmp.logFormat
Output format of log messages.

Type: one of “logfmt”, “json”

Default:

```
"logfmt"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.snmp.logLevel
Only log messages with the given severity or above.

Type: one of “debug”, “info”, “warn”, “error”

Default:

```
"info"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.snmp.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.snmp.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9116
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.snmp.user
User name under which the snmp exporter shall be run.

Type: string

Default:

```
"snmp-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.sql.enable
Whether to enable the prometheus sql exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.sql.configFile
Path to configuration file.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.sql.configuration
Exporter configuration as nix attribute set. Mutually exclusive with ‘configFile’ option.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.sql.configuration.jobs
An attrset of metrics scraping jobs to run.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.sql.configuration.jobs.<name>.connections
A list of connection strings of the SQL servers to scrape metrics from

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.sql.configuration.jobs.<name>.interval
How often to run this job, specified in **Go duration** format.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.sql.configuration.jobs.<name>.queries
SQL queries to run.

Type: attribute set of (submodule)

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.sql.configuration.jobs.<name>.queries.<name>.help
A human−readable description of this metric.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.sql.configuration.jobs.<name>.queries.<name>.labels
A set of columns that will be used as Prometheus labels.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.sql.configuration.jobs.<name>.queries.<name>.query
The SQL query to run.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.sql.configuration.jobs.<name>.queries.<name>.values
A set of columns that will be used as values of this metric.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.sql.configuration.jobs.<name>.startupSql
A list of SQL statements to execute once after making a connection.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.sql.extraFlags
Extra commandline options to pass to the sql exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.sql.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.sql.openFirewall** is true. It is used as 'ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept'.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9237"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.sql.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.sql.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9237 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.sql.group
Group under which the sql exporter shall be run.

Type: string

Default:

```
"sql−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.sql.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.sql.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.sql.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9237
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.sql.user
User name under which the sql exporter shall be run.

Type: string

Default:

```
"sql-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.statsd.enable
Whether to enable the prometheus statsd exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.statsd.extraFlags

Extra commandline options to pass to the statsd exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.statsd.firewallFilter

Specify a filter for iptables to use when **services.prometheus.exporters.statsd.openFirewall** is true. It is used as 'ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept'.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9102"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.statsd.firewallRules

Specify rules for nftables to add to the input chain when **services.prometheus.exporters.statsd.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9102 counter accept
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.statsd.group

Group under which the statsd exporter shall be run.

Type: string

Default:

```
"statsd−exporter"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.statsd.listenAddress

Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.statsd.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.statsd.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9102
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.statsd.user
User name under which the statsd exporter shall be run.

Type: string

Default:

```
"statsd-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.storagebox.enable
Whether to enable the prometheus storagebox exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.storagebox.package
The prometheus-storagebox-exporter package to use.

Type: package

Default:

```
pkgs.prometheus-storagebox-exporter
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.storagebox.extraFlags

Extra commandline options to pass to the storagebox exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.storagebox.firewallFilter

Specify a filter for iptables to use when **services.prometheus.exporters.storagebox.openFirewall** is true. It is used as 'ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept'.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9509"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.storagebox.firewallRules

Specify rules for nftables to add to the input chain when **services.prometheus.exporters.storagebox.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9509 counter accept
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.storagebox.group

Group under which the storagebox exporter shall be run.

Type: string

Default:

```
"storagebox−exporter"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.storagebox.listenAddress

Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.storagebox.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.storagebox.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9509
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.storagebox.tokenFile
File that contains the Hetzner API token to use.

Type: absolute path not in the Nix store

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.storagebox.user
User name under which the storagebox exporter shall be run.

Type: string

Default:

```
"storagebox-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.surfboard.enable
Whether to enable the prometheus surfboard exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.surfboard.extraFlags
Extra commandline options to pass to the surfboard exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.surfboard.firewallFilter

Specify a filter for iptables to use when **services.prometheus.exporters.surfboard.openFirewall** is true. It is used as 'ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept'.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9239"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.surfboard.firewallRules

Specify rules for nftables to add to the input chain when **services.prometheus.exporters.surfboard.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9239 counter accept
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.surfboard.group

Group under which the surfboard exporter shall be run.

Type: string

Default:

```
"surfboard−exporter"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.surfboard.listenAddress

Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.surfboard.modemAddress

The hostname or IP of the cable modem.

Type: string

Default:

```
"192.168.100.1"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.surfboard.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.surfboard.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9239
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.surfboard.user
User name under which the surfboard exporter shall be run.

Type: string

Default:

```
"surfboard-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.systemd.enable
Whether to enable the prometheus systemd exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.systemd.extraFlags
Extra commandline options to pass to the systemd exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.systemd.firewallFilter

Specify a filter for iptables to use when **services.prometheus.exporters.systemd.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9558"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.systemd.firewallRules

Specify rules for nftables to add to the input chain when **services.prometheus.exporters.systemd.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9558 counter accept
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.systemd.group

Group under which the systemd exporter shall be run.

Type: string

Default:

```
"systemd−exporter"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.systemd.listenAddress

Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.systemd.openFirewall

Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.systemd.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9558
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.systemd.user
User name under which the systemd exporter shall be run.

Type: string

Default:

```
"systemd-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.tailscale.enable
Whether to enable the prometheus tailscale exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.tailscale.package
The prometheus-tailscale-exporter package to use.

Type: package

Default:

```
pkgs.prometheus-tailscale-exporter
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.tailscale.environmentFile
Environment file containg at least the TAILSCALE_TAILNET, TAILSCALE_OAUTH_CLIENT_ID, and TAILSCALE_OAUTH_CLIENT_SECRET environment variables.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.tailscale.extraFlags

Extra commandline options to pass to the tailscale exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.tailscale.firewallFilter

Specify a filter for iptables to use when **services.prometheus.exporters.tailscale.openFirewall** is true. It is used as 'ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept'.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9250"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.tailscale.firewallRules

Specify rules for nftables to add to the input chain when **services.prometheus.exporters.tailscale.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9250 counter accept
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.tailscale.group

Group under which the tailscale exporter shall be run.

Type: string

Default:

```
"tailscale−exporter"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.tailscale.listenAddress

Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.tailscale.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.tailscale.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9250
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.tailscale.user
User name under which the tailscale exporter shall be run.

Type: string

Default:

```
"tailscale-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.tibber.enable
Whether to enable the prometheus tibber exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.tibber.apiTokenPath
Add here the path to your personal Tibber API Token (‘Bearer Token’) File. Get your personal Tibber API Token here: **https://developer.tibber.com** Do not share your personal plaintext Tibber API Token via github. (see: ryantm/agenix, mic92/sops)

Type: absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.tibber.extraFlags
Extra commandline options to pass to the tibber exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.tibber.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.tibber.openFirewall** is true. It is used as ‘ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept’.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9489"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.tibber.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.tibber.openFirewall** is true.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9489 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.tibber.group
Group under which the tibber exporter shall be run.

Type: string

Default:

```
"tibber−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.tibber.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.tibber.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.tibber.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9489
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.tibber.user
User name under which the tibber exporter shall be run.

Type: string

Default:

```
"tibber-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.unbound.enable
Whether to enable the prometheus unbound exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.unbound.extraFlags
Extra commandline options to pass to the unbound exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.unbound.firewallFilter

Specify a filter for iptables to use when **services.prometheus.exporters.unbound.openFirewall** is true. It is used as 'ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept'.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9167"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.unbound.firewallRules

Specify rules for nftables to add to the input chain when **services.prometheus.exporters.unbound.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9167 counter accept
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.unbound.group

Group under which the unbound exporter shall be run.

Type: string

Default:

```
"unbound−exporter"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.unbound.listenAddress

Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.unbound.openFirewall

Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.unbound.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9167
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.unbound.telemetryPath
Path under which to expose metrics.

Type: string

Default:

```
"/metrics"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.unbound.unbound.ca
Path to the Unbound server certificate authority

Type: null or absolute path

Default:

```
"/var/lib/unbound/unbound_server.pem"
```

Example:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.unbound.unbound.certificate
Path to the Unbound control socket certificate

Type: null or absolute path

Default:

```
"/var/lib/unbound/unbound_control.pem"
```

Example:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.unbound.unbound.host
Path to the unbound control socket. Supports unix domain sockets, as well as the TCP interface.

Type: string

Default:

```
"tcp://127.0.0.1:8953"
```

Example:

```
"unix:///run/unbound/unbound.socket"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.unbound.unbound.key
Path to the Unbound control socket key.

Type: null or absolute path

Default:

```
"/var/lib/unbound/unbound_control.key"
```

Example:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.unbound.user
User name under which the unbound exporter shall be run.

Type: string

Default:

```
"unbound-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.unpoller.enable
Whether to enable the prometheus unpoller exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.unpoller.controllers
List of Unifi controllers to poll. Use defaults if empty.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.unpoller.controllers.*.hash_pii
Hash, with md5, client names and MAC addresses. This attempts to protect personally identifiable information.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.prometheus.exporters.unpoller.controllers.*.pass
Path of a file containing the password for the unifi service user. This file needs to be readable by the unifi−poller user.

Type: absolute path

Default:

```
unpoller−unifi−default.password
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.prometheus.exporters.unpoller.controllers.*.save_alarms
Collect and save data from UniFi alarms to influxdb and Loki.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.prometheus.exporters.unpoller.controllers.*.save_anomalies
Collect and save data from UniFi anomalies to influxdb and Loki.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.prometheus.exporters.unpoller.controllers.*.save_dpi
Collect and save data from deep packet inspection. Adds around 150 data points and impacts performance.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.prometheus.exporters.unpoller.controllers.*.save_events
Collect and save data from UniFi events to influxdb and Loki.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.prometheus.exporters.unpoller.controllers.*.save_ids
Collect and save data from the intrusion detection system to influxdb and Loki.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.prometheus.exporters.unpoller.controllers.*.save_sites
Collect and save site data.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.prometheus.exporters.unpoller.controllers.*.sites
List of site names for which statistics should be exported. Or the string “default” for the default site or the string “all” for all sites.

Type: one of “default”, “all” or list of string

Default:

```
"all"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.prometheus.exporters.unpoller.controllers.*.url
URL of the Unifi controller.

Type: string

Default:

```
"https://unifi:8443"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.prometheus.exporters.unpoller.controllers.*.user
Unifi service user name.

Type: string

Default:

```
"unifi"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.prometheus.exporters.unpoller.controllers.*.verify_ssl
Verify the Unifi controller’s certificate.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.prometheus.exporters.unpoller.extraFlags
Extra commandline options to pass to the unpoller exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.unpoller.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.unpoller.openFirewall** is true. It is used as 'ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept'.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9130"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.unpoller.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.unpoller.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9130 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.unpoller.group
Group under which the unpoller exporter shall be run.

Type: string

Default:

```
"unpoller−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.unpoller.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.unpoller.log.debug
Whether to enable debug logging including line numbers, high resolution timestamps, per−device logs.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.unpoller.log.prometheusErrors
Whether to enable emitting errors to prometheus.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.unpoller.log.quiet
Whether to enable startup and error logs only.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.unpoller.loki.interval
How often the events are polled and pushed to Loki.

Type: string

Default:

```
"2m"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.unpoller.loki.pass
Path of a file containing the password for Loki. This file needs to be readable by the unifi−poller user.

Type: absolute path

Default:

```
"unpoller-influxdb-default.password"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.unpoller.loki.tenant_id
Tenant ID to use in Loki.

Type: string

Default:
`""`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.unpoller.loki.timeout
Should be increased in case of timeout errors.

Type: string

Default:
`"10s"`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.unpoller.loki.url
URL of the Loki host.

Type: string

Default:
`""`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.unpoller.loki.user
Username for Loki.

Type: string

Default:
`""`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.unpoller.loki.verify_ssl
Verify Loki's certificate.

Type: boolean

Default:
`false`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.unpoller.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.unpoller.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9130
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.unpoller.user
User name under which the unpoller exporter shall be run.

Type: string

Default:

```
"unpoller-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.v2ray.enable
Whether to enable the prometheus v2ray exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.v2ray.extraFlags
Extra commandline options to pass to the v2ray exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.v2ray.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.v2ray.openFirewall** is true. It is used as ‘ip46tables -I nixos-fw firewallFilter -j nixos-fw-accept’.

Type: null or string

Default:

```
null
```

Example:

```
"-i eth0 -p tcp -m tcp --dport 9299"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.v2ray.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.v2ray.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9299 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.v2ray.group
Group under which the v2ray exporter shall be run.

Type: string

Default:

```
"v2ray-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.v2ray.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.v2ray.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.v2ray.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9299
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.v2ray.user
User name under which the v2ray exporter shall be run.

Type: string

Default:

```
"v2ray-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.v2ray.v2rayEndpoint
v2ray grpc api endpoint

Type: string

Default:

```
"127.0.0.1:54321"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.varnish.enable
Whether to enable the prometheus varnish exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.varnish.extraFlags
Extra commandline options to pass to the varnish exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.varnish.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.varnish.openFirewall** is true. It is used as ‘ip46tables -I nixos-fw firewallFilter -j nixos-fw-accept’.

Type: null or string

Default:

```
null
```

Example:

```
"-i eth0 -p tcp -m tcp --dport 9131"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.varnish.firewallRules

Specify rules for nftables to add to the input chain when **services.prometheus.exporters.varnish.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9131 counter accept
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.varnish.group

Group under which the varnish exporter shall be run.

Type: string

Default:

```
"varnish-exporter"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.varnish.healthPath

Path under which to expose healthcheck. Disabled unless configured.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.varnish.instance

varnishstat -n value.

Type: null or string

Default:

```
config.services.varnish.stateDir
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.varnish.listenAddress

Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.varnish.noExit
Do not exit server on Varnish scrape errors.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.varnish.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.varnish.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9131
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.varnish.raw
Enable raw stdout logging without timestamps.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.varnish.telemetryPath
Path under which to expose metrics.

Type: string

Default:

```
"/metrics"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.varnish.user
User name under which the varnish exporter shall be run.

Type: string

Default:

```
"varnish-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.varnish.varnishStatPath
Path to varnishstat.

Type: string

Default:

```
"varnishstat"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.varnish.verbose
Enable verbose logging.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.varnish.withGoMetrics
Export go runtime and http handler metrics.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.wireguard.enable
Whether to enable the prometheus wireguard exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.wireguard.extraFlags
Extra commandline options to pass to the wireguard exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.wireguard.firewallFilter

Specify a filter for iptables to use when **services.prometheus.exporters.wireguard.openFirewall** is true. It is used as 'ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept'.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9586"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.wireguard.firewallRules

Specify rules for nftables to add to the input chain when **services.prometheus.exporters.wireguard.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9586 counter accept
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.wireguard.group

Group under which the wireguard exporter shall be run.

Type: string

Default:

```
"wireguard−exporter"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.wireguard.interfaces

Specifies the interface(s) passed to the wg show <interface> dump parameter. By default all interfaces are used.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.wireguard.latestHandshakeDelay

Adds the 'wireguard_latest_handshake_delay_seconds' metric that automatically calculates the seconds passed since the last handshake.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.wireguard.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.wireguard.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.wireguard.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9586
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.wireguard.prependSudo
Whether or no to prepend sudo to wg commands.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.wireguard.singleSubnetPerField
By default, all allowed IPs and subnets are comma−separated in the ‘allowed_ips’ field. With this option enabled, a single IP and subnet will be listed in fields like ‘allowed_ip_0’, ‘allowed_ip_1’ and so on.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.wireguard.user
User name under which the wireguard exporter shall be run.

Type: string

Default:

```
"wireguard-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.wireguard.verbose
Whether to enable verbose logging mode for prometheus-wireguard-exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.wireguard.wireguardConfig
Path to the Wireguard Config to **add the peer's name to the stats of a peer**.

Please note that 'networking.wg-quick' is required for this feature as 'networking.wireguard' uses **wg**(8) to set the peers up.

Type: null or absolute path or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.wireguard.withRemoteIp
Whether or not the remote IP of a WireGuard peer should be exposed via prometheus.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.zfs.enable
Whether to enable the prometheus zfs exporter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.zfs.extraFlags
Extra commandline options to pass to the zfs exporter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.zfs.firewallFilter
Specify a filter for iptables to use when **services.prometheus.exporters.zfs.openFirewall** is true. It is used as 'ip46tables −I nixos−fw firewallFilter −j nixos−fw−accept'.

Type: null or string

Default:

```
null
```

Example:

```
"−i eth0 −p tcp −m tcp −−dport 9134"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.zfs.firewallRules
Specify rules for nftables to add to the input chain when **services.prometheus.exporters.zfs.openFirewall** is true.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
iifname "eth0" tcp dport 9134 counter accept
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.zfs.group
Group under which the zfs exporter shall be run.

Type: string

Default:

```
"zfs−exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.zfs.listenAddress
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.zfs.openFirewall
Open port in firewall for incoming connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.zfs.pools
Name of the pool(s) to collect, repeat for multiple pools (default: all pools).

Type: null or (list of string)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.zfs.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9134
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.zfs.telemetryPath
Path under which to expose metrics.

Type: string

Default:

```
"/metrics"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.exporters.zfs.user
User name under which the zfs exporter shall be run.

Type: string

Default:

```
"zfs-exporter"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/exporters.nix>

services.prometheus.extraFlags
Extra commandline options when launching Prometheus.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.globalConfig

Parameters that are valid in all configuration contexts. They also serve as defaults for other configuration sections

Type: submodule

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.globalConfig.evaluation_interval

How frequently to evaluate rules by default.

Defaults to ‘1m’ in prometheus when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.globalConfig.external_labels

The labels to add to any time series or alerts when communicating with external systems (federation, remote storage, Alertmanager).

Type: null or (attribute set of string)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.globalConfig.query_log_file

Path to the file prometheus should write its query log to.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.globalConfig.scrape_interval

How frequently to scrape targets by default.

Defaults to ‘1m’ in prometheus when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.globalConfig.scrape_timeout
How long until a scrape request times out.

Defaults to '10s' in prometheus when set to 'null'.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.listenAddress
Address to listen on for the web interface, API, and telemetry.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.port
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9090
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.pushgateway.enable
Whether to enable Prometheus Pushgateway.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/pushgateway.nix>

services.prometheus.pushgateway.package
The prometheus-pushgateway package to use.

Type: package

Default:

```
pkgs.prometheus-pushgateway
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/pushgateway.nix>

services.prometheus.pushgateway.extraFlags

Extra commandline options when launching the Pushgateway.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/pushgateway.nix>

services.prometheus.pushgateway.log.format

Set the log target and format.

'null' will default to 'logger:stderr'.

Type: null or string

Default:

```
null
```

Example:

```
"logger:syslog?appname=bob&local=7"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/pushgateway.nix>

services.prometheus.pushgateway.log.level

Only log messages with the given severity or above.

'null' will default to 'info'.

Type: null or one of "debug", "info", "warn", "error", "fatal"

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/pushgateway.nix>

services.prometheus.pushgateway.persistMetrics

Whether to persist metrics to a file.

When enabled metrics will be saved to a file called 'metrics' in the directory '/var/lib/pushgateway'. The directory below '/var/lib' can be set using **services.prometheus.pushgateway.stateDir**.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/pushgateway.nix>

services.prometheus.pushgateway.persistence.interval

The minimum interval at which to write out the persistence file.

'null' will default to '5m'.

Type: null or string

Default:

```
null
```

Example:

```
"10m"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/pushgateway.nix>

services.prometheus.pushgateway.stateDir
Directory below ‘/var/lib’ to store metrics.

This directory will be created automatically using systemd’s StateDirectory mechanism when **services.prometheus.pushgateway.persistMetrics** is enabled.

Type: string

Default:

```
"pushgateway"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/pushgateway.nix>

services.prometheus.pushgateway.web.external−url
The URL under which Pushgateway is externally reachable.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/pushgateway.nix>

services.prometheus.pushgateway.web.listen−address
Address to listen on for the web interface, API and telemetry.

‘null’ will default to ‘:9091’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/pushgateway.nix>

services.prometheus.pushgateway.web.route−prefix
Prefix for the internal routes of web endpoints.

Defaults to the path of **services.prometheus.pushgateway.web.external−url**.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/pushgateway.nix>

services.prometheus.pushgateway.web.telemetry−path
Path under which to expose metrics.

‘null’ will default to ‘/metrics’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/pushgateway.nix>

services.prometheus.remoteRead
Parameters of the endpoints to query from. See **the official documentation** for more information.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteRead.*.basic_auth
Sets the 'Authorization' header on every remote read request with the configured username and password. password and password_file are mutually exclusive.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteRead.*.basic_auth.password
HTTP password

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteRead.*.basic_auth.password_file
HTTP password file

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteRead.*.basic_auth.username
HTTP username

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteRead.*.bearer_token
Sets the 'Authorization' header on every remote read request with the configured bearer token. It is mutually exclusive with 'bearer_token_file'.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteRead.*.bearer_token_file
Sets the 'Authorization' header on every remote read request with the bearer token read from the configured file. It is mutually exclusive with 'bearer_token'.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteRead.*.headers
Custom HTTP headers to be sent along with each remote read request. Be aware that headers that are set by Prometheus itself can't be overwritten.

Type: null or (attribute set of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteRead.*.name
Name of the remote read config, which if specified must be unique among remote read configs. The name will be used in metrics and logging in place of a generated value to help users distinguish between remote read configs.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteRead.*.proxy_url
Optional Proxy URL.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteRead.*.read_recent
Whether reads should be made for queries for time ranges that the local storage should have complete data for.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteRead.*.remote_timeout
Timeout for requests to the remote read endpoint.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteRead.*.required_matchers
An optional list of equality matchers which have to be present in a selector to query the remote read endpoint.

Type: null or (attribute set of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteRead.*.tls_config
Configures the remote read request's TLS settings.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteRead.*.tls_config.ca_file
CA certificate to validate API server certificate with.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteRead.*.tls_config.cert_file
Certificate file for client cert authentication to the server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteRead.*.tls_config.insecure_skip_verify
Disable validation of the server certificate.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteRead.*.tls_config.key_file
Key file for client cert authentication to the server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteRead.*.tls_config.server_name
ServerName extension to indicate the name of the server. http://tools.ietf.org/html/rfc4366#section−3.1

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteRead.*.url
ServerName extension to indicate the name of the server. http://tools.ietf.org/html/rfc4366#section−3.1

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite
Parameters of the endpoints to send samples to. See **the official documentation** for more information.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.basic_auth
Sets the ‘Authorization’ header on every remote write request with the configured username and password. password and password_file are mutually exclusive.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.basic_auth.password
HTTP password

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.basic_auth.password_file
HTTP password file

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.basic_auth.username
HTTP username

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.bearer_token
Sets the ‘Authorization’ header on every remote write request with the configured bearer token. It is mutually exclusive with ‘bearer_token_file’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.bearer_token_file
Sets the ‘Authorization’ header on every remote write request with the bearer token read from the configured file. It is mutually exclusive with ‘bearer_token’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.headers
Custom HTTP headers to be sent along with each remote write request. Be aware that headers that are set by Prometheus itself can’t be overwritten.

Type: null or (attribute set of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.metadata_config
Configures the sending of series metadata to remote storage. Metadata configuration is subject to change at any point or be removed in future releases.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.metadata_config.send
Whether metric metadata is sent to remote storage or not.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.metadata_config.send_interval
How frequently metric metadata is sent to remote storage.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.name
Name of the remote write config, which if specified must be unique among remote write configs. The name will be used in metrics and logging in place of a generated value to help users distinguish between remote write configs.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.proxy_url
Optional Proxy URL.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.queue_config
Configures the queue used to write to remote storage.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.queue_config.batch_send_deadline
Maximum time a sample will wait in buffer.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.queue_config.capacity
Number of samples to buffer per shard before we block reading of more samples from the WAL. It is recommended to have enough capacity in each shard to buffer several requests to keep throughput up while processing occasional slow remote requests.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.queue_config.max_backoff
Maximum retry delay.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.queue_config.max_samples_per_send
Maximum number of samples per send.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.queue_config.max_shards
Maximum number of shards, i.e. amount of concurrency.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.queue_config.min_backoff
Initial retry delay. Gets doubled for every retry.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.queue_config.min_shards
Minimum number of shards, i.e. amount of concurrency.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.remote_timeout
Timeout for requests to the remote write endpoint.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.sigv4
Configures AWS Signature Version 4 settings.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.sigv4.access_key
The Access Key ID.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.sigv4.profile
The named AWS profile used to authenticate.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.sigv4.region
The AWS region.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.sigv4.role_arn
The AWS role ARN.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.sigv4.secret_key
The Secret Access Key.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.tls_config
Configures the remote write request's TLS settings.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.tls_config.ca_file
CA certificate to validate API server certificate with.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.tls_config.cert_file
Certificate file for client cert authentication to the server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.tls_config.insecure_skip_verify
Disable validation of the server certificate.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.tls_config.key_file
Key file for client cert authentication to the server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.tls_config.server_name
ServerName extension to indicate the name of the server. http://tools.ietf.org/html/rfc4366#section−3.1

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.url
ServerName extension to indicate the name of the server. http://tools.ietf.org/html/rfc4366#section−3.1

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.write_relabel_configs
List of remote write relabel configurations.

Type: null or (list of (submodule))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.write_relabel_configs.*.action
Action to perform based on regex matching.

Defaults to ‘replace’ in prometheus when set to ‘null’.

Type: null or one of “replace”, “lowercase”, “uppercase”, “keep”, “drop”, “hashmod”, “labelmap”, “labeldrop”, “labelkeep”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.write_relabel_configs.*.modulus
Modulus to take of the hash of the source label values.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.write_relabel_configs.*.regex
Regular expression against which the extracted value is matched.

Defaults to ‘(.*)’ in prometheus when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.write_relabel_configs.*.replacement
Replacement value against which a regex replace is performed if the regular expression matches.

Defaults to ‘$1’ in prometheus when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.write_relabel_configs.*.separator
Separator placed between concatenated source label values.

Defaults to ‘;’ in prometheus when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.write_relabel_configs.*.source_labels

The source labels select values from existing labels. Their content is concatenated using the configured separator and matched against the configured regular expression.

Type: null or (list of string)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.remoteWrite.*.write_relabel_configs.*.target_label

Label to which the resulting value is written in a replace action. It is mandatory for replace actions.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.retentionTime

How long to retain samples in storage.

Type: null or string

Default:

```
null
```

Example:

```
"15d"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.ruleFiles

Any additional rules files to include in this configuration.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.rules

Alerting and/or Recording rules to evaluate at runtime.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.sachet.enable

Whether to enable Sachet, an SMS alerting tool for the Prometheus Alertmanager.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/sachet.nix>

services.prometheus.sachet.address

The address Sachet will listen to.

Type: string

Default:

```
"localhost"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/sachet.nix>

services.prometheus.sachet.configuration

Sachet's configuration as a nix attribute set.

Type: null or (attribute set)

Default:

```
null
```

Example:

```
{
  providers = {
    twilio = {
      # environment variables gets expanded at runtime
      account_sid = "$TWILIO_ACCOUNT";
      auth_token = "$TWILIO_TOKEN";
    };
  };
  templates = [ ./some-template.tmpl ];
  receivers = [{
    name = "pager";
    provider = "twilio";
    to = [ "+33123456789" ];
    text = "{{ template \"message\" . }}";
  }];
}
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/sachet.nix>

services.prometheus.sachet.port
The port Sachet will listen to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9876
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/sachet.nix>

services.prometheus.scrapeConfigs
A list of scrape configurations.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.authorization
Sets the 'Authorization' header on every scrape request with the configured credentials.

Type: null or (attribute set)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.azure_sd_configs
List of Azure service discovery configurations.

Type: null or (list of (submodule))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.azure_sd_configs.*.authentication_method
The authentication method, either OAuth or ManagedIdentity. See **https://docs.microsoft.com/en-us/azure/active-directory/managed-identities-azure-resources/overview**

Defaults to 'OAuth' in prometheus when set to 'null'.

Type: null or one of "OAuth", "ManagedIdentity"

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.azure_sd_configs.*.client_id
Optional client ID. Only required with authentication_method OAuth.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.azure_sd_configs.*.client_secret
Optional client secret. Only required with authentication_method OAuth.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.azure_sd_configs.*.environment
The Azure environment.

Defaults to 'AzurePublicCloud' in prometheus when set to 'null'.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.azure_sd_configs.*.follow_redirects
Configure whether HTTP requests follow HTTP 3xx redirects.

Defaults to 'true' in prometheus when set to 'null'.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.azure_sd_configs.*.port
The port to scrape metrics from. If using the public IP address, this must instead be specified in the relabeling rule.

Defaults to '80' in prometheus when set to 'null'.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.azure_sd_configs.*.proxy_url
Optional proxy URL.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.azure_sd_configs.*.refresh_interval
Refresh interval to re−read the instance list.

Defaults to '300s' in prometheus when set to 'null'.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.azure_sd_configs.*.subscription_id
The subscription ID.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.azure_sd_configs.*.tenant_id
Optional tenant ID. Only required with authentication_method OAuth.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.azure_sd_configs.*.tls_config
TLS configuration.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.azure_sd_configs.*.tls_config.ca_file
CA certificate to validate API server certificate with.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.azure_sd_configs.*.tls_config.cert_file
Certificate file for client cert authentication to the server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.azure_sd_configs.*.tls_config.insecure_skip_verify
Disable validation of the server certificate.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.azure_sd_configs.*.tls_config.key_file
Key file for client cert authentication to the server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.azure_sd_configs.*.tls_config.server_name
ServerName extension to indicate the name of the server. http://tools.ietf.org/html/rfc4366#section−3.1

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.basic_auth
Sets the ‘Authorization’ header on every scrape request with the configured username and password. password and password_file are mutually exclusive.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.basic_auth.password
HTTP password

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.basic_auth.password_file
HTTP password file

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.basic_auth.username
HTTP username

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.bearer_token
Sets the ‘Authorization’ header on every scrape request with the configured bearer token. It is mutually exclusive with **bearer_token_file**.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.bearer_token_file
Sets the ‘Authorization’ header on every scrape request with the bearer token read from the configured file. It is mutually exclusive with **bearer_token**.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.body_size_limit
An uncompressed response body larger than this many bytes will cause the scrape to fail. 0 means no limit. Example: 100MB. This is an experimental feature, this behaviour could change or be removed in the future.

Defaults to ‘0’ in prometheus when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.consul_sd_configs
List of Consul service discovery configurations.

Type: null or (list of (submodule))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.consul_sd_configs.*.allow_stale
Allow stale Consul results (see **https://www.consul.io/api/index.html#consistency−modes**).

Will reduce load on Consul.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.consul_sd_configs.*.authorization
Optional ‘Authorization’ header configuration.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.consul_sd_configs.*.authorization.credentials
Sets the credentials. It is mutually exclusive with ‘credentials_file’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.consul_sd_configs.*.authorization.credentials_file
Sets the credentials to the credentials read from the configured file. It is mutually exclusive with ‘credentials’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.consul_sd_configs.*.authorization.type
Sets the authentication type.

Defaults to ‘Bearer’ in prometheus when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.consul_sd_configs.*.basic_auth
Optional HTTP basic authentication information.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.consul_sd_configs.*.basic_auth.password
HTTP password

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.consul_sd_configs.*.basic_auth.password_file
HTTP password file

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.consul_sd_configs.*.basic_auth.username
HTTP username

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.consul_sd_configs.*.datacenter
Consul datacenter

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.consul_sd_configs.*.follow_redirects
Configure whether HTTP requests follow HTTP 3xx redirects.

Defaults to ‘true’ in prometheus when set to ‘null’.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.consul_sd_configs.*.node_meta
Node metadata used to filter nodes for a given service.

Type: null or (attribute set of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.consul_sd_configs.*.oauth2
Optional OAuth 2.0 configuration. Cannot be used at the same time as basic_auth or authorization.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.consul_sd_configs.*.oauth2.client_id
OAuth client ID.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.consul_sd_configs.*.oauth2.client_secret
OAuth client secret.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.consul_sd_configs.*.oauth2.client_secret_file
Read the client secret from a file. It is mutually exclusive with ‘client_secret’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.consul_sd_configs.*.oauth2.endpoint_params
Optional parameters to append to the token URL.

Type: null or (attribute set of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.consul_sd_configs.*.oauth2.scopes
Scopes for the token request.

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.consul_sd_configs.*.oauth2.token_url
The URL to fetch the token from.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.consul_sd_configs.*.password
Consul password

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.consul_sd_configs.*.proxy_url
Optional proxy URL.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.consul_sd_configs.*.refresh_interval
The time after which the provided names are refreshed.

On large setup it might be a good idea to increase this value because the catalog will change all the time.

Defaults to ‘30s’ in prometheus when set to ‘null’.

Type: null or string

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.consul_sd_configs.*.scheme
Consul scheme Defaults to 'http' in prometheus when set to 'null'.

Type: null or string

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.consul_sd_configs.*.server
Consul server to query.

Defaults to 'localhost:8500' in prometheus when set to 'null'.

Type: null or string

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.consul_sd_configs.*.services
A list of services for which targets are retrieved.

Type: null or (list of string)

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.consul_sd_configs.*.tag_separator
The string by which Consul tags are joined into the tag label.

Defaults to ',' in prometheus when set to 'null'.

Type: null or string

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.consul_sd_configs.*.tags
An optional list of tags used to filter nodes for a given service. Services must contain all tags in the list.

Type: null or (list of string)

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.consul_sd_configs.*.tls_config
Configures the Consul request's TLS settings.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.consul_sd_configs.*.tls_config.ca_file
CA certificate to validate API server certificate with.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.consul_sd_configs.*.tls_config.cert_file
Certificate file for client cert authentication to the server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.consul_sd_configs.*.tls_config.insecure_skip_verify
Disable validation of the server certificate.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.consul_sd_configs.*.tls_config.key_file
Key file for client cert authentication to the server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.consul_sd_configs.*.tls_config.server_name
ServerName extension to indicate the name of the server. http://tools.ietf.org/html/rfc4366#section−3.1

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.consul_sd_configs.*.token
Consul token

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.consul_sd_configs.*.username
Consul username

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.digitalocean_sd_configs
List of DigitalOcean service discovery configurations.

Type: null or (list of (submodule))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.digitalocean_sd_configs.*.authorization
Optional ‘Authorization’ header configuration.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.digitalocean_sd_configs.*.authorization.credentials
Sets the credentials. It is mutually exclusive with ‘credentials_file’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.digitalocean_sd_configs.*.authorization.credentials_file
Sets the credentials to the credentials read from the configured file. It is mutually exclusive with ‘credentials’.

Type: null or string

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.digitalocean_sd_configs.*.authorization.type
Sets the authentication type.

Defaults to 'Bearer' in prometheus when set to 'null'.

Type: null or string

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.digitalocean_sd_configs.*.basic_auth
Optional HTTP basic authentication information.

Type: null or (submodule)

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.digitalocean_sd_configs.*.basic_auth.password
HTTP password

Type: null or string

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.digitalocean_sd_configs.*.basic_auth.password_file
HTTP password file

Type: null or string

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.digitalocean_sd_configs.*.basic_auth.username
HTTP username

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.digitalocean_sd_configs.*.follow_redirects
Configure whether HTTP requests follow HTTP 3xx redirects.

Defaults to 'true' in prometheus when set to 'null'.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.digitalocean_sd_configs.*.oauth2
Optional OAuth 2.0 configuration. Cannot be used at the same time as basic_auth or authorization.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.digitalocean_sd_configs.*.oauth2.client_id
OAuth client ID.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.digitalocean_sd_configs.*.oauth2.client_secret
OAuth client secret.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.digitalocean_sd_configs.*.oauth2.client_secret_file
Read the client secret from a file. It is mutually exclusive with ‘client_secret’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.digitalocean_sd_configs.*.oauth2.endpoint_params
Optional parameters to append to the token URL.

Type: null or (attribute set of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.digitalocean_sd_configs.*.oauth2.scopes
Scopes for the token request.

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.digitalocean_sd_configs.*.oauth2.token_url
The URL to fetch the token from.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.digitalocean_sd_configs.*.port
The port to scrape metrics from.

Defaults to ‘80’ in prometheus when set to ‘null’.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.digitalocean_sd_configs.*.proxy_url
Optional proxy URL.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.digitalocean_sd_configs.*.refresh_interval
The time after which the droplets are refreshed.

Defaults to ‘60s’ in prometheus when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.digitalocean_sd_configs.*.tls_config
TLS configuration.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.digitalocean_sd_configs.*.tls_config.ca_file
CA certificate to validate API server certificate with.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.digitalocean_sd_configs.*.tls_config.cert_file
Certificate file for client cert authentication to the server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.digitalocean_sd_configs.*.tls_config.insecure_skip_verify
Disable validation of the server certificate.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.digitalocean_sd_configs.*.tls_config.key_file
Key file for client cert authentication to the server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.digitalocean_sd_configs.*.tls_config.server_name
ServerName extension to indicate the name of the server. http://tools.ietf.org/html/rfc4366#section−3.1

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.dns_sd_configs
List of DNS service discovery configurations.

Type: null or (list of (submodule))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.dns_sd_configs.*.names
A list of DNS SRV record names to be queried.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.dns_sd_configs.*.port
The port number used if the query type is not SRV.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.dns_sd_configs.*.refresh_interval
The time after which the provided names are refreshed.

Defaults to ‘30s’ in prometheus when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.dns_sd_configs.*.type
The type of DNS query to perform.

Defaults to ‘SRV’ in prometheus when set to ‘null’.

Type: null or one of “SRV”, “A”, “AAAA”, “MX”, “NS”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.docker_sd_configs
List of Docker service discovery configurations.

Type: null or (list of (submodule))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.docker_sd_configs.*.authorization
Optional 'Authorization' header configuration.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.docker_sd_configs.*.authorization.credentials
Sets the credentials. It is mutually exclusive with 'credentials_file'.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.docker_sd_configs.*.authorization.credentials_file
Sets the credentials to the credentials read from the configured file. It is mutually exclusive with 'credentials'.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.docker_sd_configs.*.authorization.type
Sets the authentication type.

Defaults to 'Bearer' in prometheus when set to 'null'.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.docker_sd_configs.*.basic_auth
Optional HTTP basic authentication information.

Type: null or (submodule)

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.docker_sd_configs.*.basic_auth.password
HTTP password

Type: null or string

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.docker_sd_configs.*.basic_auth.password_file
HTTP password file

Type: null or string

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.docker_sd_configs.*.basic_auth.username
HTTP username

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.docker_sd_configs.*.filters
Optional filters to limit the discovery process to a subset of available resources.

Type: null or (list of (submodule))

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.docker_sd_configs.*.filters.*.name
Name of the filter. The available filters are listed in the upstream documentation: Services: **https://docs.docker.com/engine/api/v1.40/#operation/ServiceList** Tasks: **https://docs.docker.com/engine/api/v1.40/#operation/TaskList** Nodes: **https://docs.docker.com/engine/api/v1.40/#operation/NodeList**

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.docker_sd_configs.*.filters.*.values
Value for the filter.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.docker_sd_configs.*.follow_redirects
Configure whether HTTP requests follow HTTP 3xx redirects.

Defaults to 'true' in prometheus when set to 'null'.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.docker_sd_configs.*.host
Address of the Docker daemon.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.docker_sd_configs.*.host_networking_host
The host to use if the container is in host networking mode.

Defaults to 'localhost' in prometheus when set to 'null'.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.docker_sd_configs.*.oauth2
Optional OAuth 2.0 configuration. Cannot be used at the same time as basic_auth or authorization.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.docker_sd_configs.*.oauth2.client_id
OAuth client ID.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.docker_sd_configs.*.oauth2.client_secret
OAuth client secret.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.docker_sd_configs.*.oauth2.client_secret_file
Read the client secret from a file. It is mutually exclusive with ‘client_secret’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.docker_sd_configs.*.oauth2.endpoint_params
Optional parameters to append to the token URL.

Type: null or (attribute set of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.docker_sd_configs.*.oauth2.scopes
Scopes for the token request.

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.docker_sd_configs.*.oauth2.token_url
The URL to fetch the token from.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.docker_sd_configs.*.port
The port to scrape metrics from, when ‘role’ is nodes, and for discovered tasks and services that don’t have published ports.

Defaults to ‘80’ in prometheus when set to ‘null’.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.docker_sd_configs.*.proxy_url
Optional proxy URL.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.docker_sd_configs.*.refresh_interval
The time after which the containers are refreshed.

Defaults to ‘60s’ in prometheus when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.docker_sd_configs.*.tls_config
TLS configuration.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.docker_sd_configs.*.tls_config.ca_file
CA certificate to validate API server certificate with.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.docker_sd_configs.*.tls_config.cert_file
Certificate file for client cert authentication to the server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.docker_sd_configs.*.tls_config.insecure_skip_verify
Disable validation of the server certificate.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.docker_sd_configs.*.tls_config.key_file
Key file for client cert authentication to the server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.docker_sd_configs.*.tls_config.server_name
ServerName extension to indicate the name of the server. http://tools.ietf.org/html/rfc4366#section−3.1

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.dockerswarm_sd_configs
List of Docker Swarm service discovery configurations.

Type: null or (list of (submodule))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.dockerswarm_sd_configs.*.authorization
Optional ‘Authorization’ header configuration.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.dockerswarm_sd_configs.*.authorization.credentials
Sets the credentials. It is mutually exclusive with ‘credentials_file’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.dockerswarm_sd_configs.*.authorization.credentials_file
Sets the credentials to the credentials read from the configured file. It is mutually exclusive with ‘credentials’.

Type: null or string

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.dockerswarm_sd_configs.*.authorization.type
Sets the authentication type.

Defaults to 'Bearer' in prometheus when set to 'null'.

Type: null or string

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.dockerswarm_sd_configs.*.basic_auth
Optional HTTP basic authentication information.

Type: null or (submodule)

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.dockerswarm_sd_configs.*.basic_auth.password
HTTP password

Type: null or string

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.dockerswarm_sd_configs.*.basic_auth.password_file
HTTP password file

Type: null or string

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.dockerswarm_sd_configs.*.basic_auth.username
HTTP username

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.dockerswarm_sd_configs.*.filters
Optional filters to limit the discovery process to a subset of available resources.

Type: null or (list of (submodule))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.dockerswarm_sd_configs.*.filters.*.name
Name of the filter. The available filters are listed in the upstream documentation: Services: **https://docs.docker.com/engine/api/v1.40/#operation/ServiceList** Tasks: **https://docs.docker.com/engine/api/v1.40/#operation/TaskList** Nodes: **https://docs.docker.com/engine/api/v1.40/#operation/NodeList**

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.dockerswarm_sd_configs.*.filters.*.values
Value for the filter.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.dockerswarm_sd_configs.*.follow_redirects
Configure whether HTTP requests follow HTTP 3xx redirects.

Defaults to ‘true’ in prometheus when set to ‘null’.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.dockerswarm_sd_configs.*.host
Address of the Docker daemon.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.dockerswarm_sd_configs.*.oauth2
Optional OAuth 2.0 configuration. Cannot be used at the same time as basic_auth or authorization.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.dockerswarm_sd_configs.*.oauth2.client_id
OAuth client ID.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.dockerswarm_sd_configs.*.oauth2.client_secret
OAuth client secret.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.dockerswarm_sd_configs.*.oauth2.client_secret_file
Read the client secret from a file. It is mutually exclusive with ‘client_secret’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.dockerswarm_sd_configs.*.oauth2.endpoint_params
Optional parameters to append to the token URL.

Type: null or (attribute set of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.dockerswarm_sd_configs.*.oauth2.scopes
Scopes for the token request.

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.dockerswarm_sd_configs.*.oauth2.token_url
The URL to fetch the token from.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.dockerswarm_sd_configs.*.port
The port to scrape metrics from, when ‘role’ is nodes, and for discovered tasks and services that don’t have published ports.

Defaults to ‘80’ in prometheus when set to ‘null’.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.dockerswarm_sd_configs.*.proxy_url
Optional proxy URL.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.dockerswarm_sd_configs.*.refresh_interval
The time after which the containers are refreshed.

Defaults to ‘60s’ in prometheus when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.dockerswarm_sd_configs.*.role
Role of the targets to retrieve. Must be ‘services’, ‘tasks’, or ‘nodes’.

Type: one of “services”, “tasks”, “nodes”

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.dockerswarm_sd_configs.*.tls_config
TLS configuration.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.dockerswarm_sd_configs.*.tls_config.ca_file
CA certificate to validate API server certificate with.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.dockerswarm_sd_configs.*.tls_config.cert_file
Certificate file for client cert authentication to the server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.dockerswarm_sd_configs.*.tls_config.insecure_skip_verify
Disable validation of the server certificate.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.dockerswarm_sd_configs.*.tls_config.key_file
Key file for client cert authentication to the server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.dockerswarm_sd_configs.*.tls_config.server_name
ServerName extension to indicate the name of the server. http://tools.ietf.org/html/rfc4366#section−3.1

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.ec2_sd_configs
List of EC2 service discovery configurations.

Type: null or (list of (submodule))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.ec2_sd_configs.*.access_key
The AWS API key id. If blank, the environment variable ‘AWS_ACCESS_KEY_ID’ is used.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.ec2_sd_configs.*.endpoint
Custom endpoint to be used.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.ec2_sd_configs.*.filters
Filters can be used optionally to filter the instance list by other criteria.

Type: null or (list of (submodule))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.ec2_sd_configs.*.filters.*.name
See **this list** for the available filters.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.ec2_sd_configs.*.filters.*.values
Value of the filter.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.ec2_sd_configs.*.port
The port to scrape metrics from. If using the public IP address, this must instead be specified in the relabeling rule.

Defaults to ‘80’ in prometheus when set to ‘null’.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.ec2_sd_configs.*.profile
Named AWS profile used to connect to the API.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.ec2_sd_configs.*.refresh_interval
Refresh interval to re−read the instance list.

Defaults to ‘60s’ in prometheus when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.ec2_sd_configs.*.region
The AWS Region. If blank, the region from the instance metadata is used.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.ec2_sd_configs.*.role_arn
AWS Role ARN, an alternative to using AWS API keys.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.ec2_sd_configs.*.secret_key
The AWS API key secret. If blank, the environment variable ‘AWS_SECRET_ACCESS_KEY’ is used.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.eureka_sd_configs
List of Eureka service discovery configurations.

Type: null or (list of (submodule))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.eureka_sd_configs.*.authorization
Optional ‘Authorization’ header configuration.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.eureka_sd_configs.*.authorization.credentials
Sets the credentials. It is mutually exclusive with ‘credentials_file’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.eureka_sd_configs.*.authorization.credentials_file
Sets the credentials to the credentials read from the configured file. It is mutually exclusive with ‘credentials’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.eureka_sd_configs.*.authorization.type
Sets the authentication type.

Defaults to ‘Bearer’ in prometheus when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.eureka_sd_configs.*.basic_auth
Optional HTTP basic authentication information.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.eureka_sd_configs.*.basic_auth.password
HTTP password

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.eureka_sd_configs.*.basic_auth.password_file
HTTP password file

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.eureka_sd_configs.*.basic_auth.username
HTTP username

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.eureka_sd_configs.*.follow_redirects
Configure whether HTTP requests follow HTTP 3xx redirects.

Defaults to ‘true’ in prometheus when set to ‘null’.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.eureka_sd_configs.*.oauth2
Optional OAuth 2.0 configuration. Cannot be used at the same time as basic_auth or authorization.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.eureka_sd_configs.*.oauth2.client_id
OAuth client ID.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.eureka_sd_configs.*.oauth2.client_secret
OAuth client secret.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.eureka_sd_configs.*.oauth2.client_secret_file
Read the client secret from a file. It is mutually exclusive with ‘client_secret’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.eureka_sd_configs.*.oauth2.endpoint_params
Optional parameters to append to the token URL.

Type: null or (attribute set of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.eureka_sd_configs.*.oauth2.scopes
Scopes for the token request.

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.eureka_sd_configs.*.oauth2.token_url
The URL to fetch the token from.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.eureka_sd_configs.*.proxy_url
Optional proxy URL.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.eureka_sd_configs.*.server
The URL to connect to the Eureka server.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.eureka_sd_configs.*.tls_config
TLS configuration.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.eureka_sd_configs.*.tls_config.ca_file
CA certificate to validate API server certificate with.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.eureka_sd_configs.*.tls_config.cert_file
Certificate file for client cert authentication to the server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.eureka_sd_configs.*.tls_config.insecure_skip_verify
Disable validation of the server certificate.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.eureka_sd_configs.*.tls_config.key_file
Key file for client cert authentication to the server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.eureka_sd_configs.*.tls_config.server_name
ServerName extension to indicate the name of the server. http://tools.ietf.org/html/rfc4366#section−3.1

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.fallback_scrape_protocol
Fallback protocol to use if a scrape returns blank, unparseable, or otherwise invalid Content−Type.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.file_sd_configs
List of file service discovery configurations.

Type: null or (list of (submodule))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.file_sd_configs.*.files
Patterns for files from which target groups are extracted. Refer to the Prometheus documentation for permitted filename patterns and formats.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.file_sd_configs.*.refresh_interval
Refresh interval to re−read the files.

Defaults to ‘5m’ in prometheus when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.gce_sd_configs
List of Google Compute Engine service discovery configurations.

See **the relevant Prometheus configuration docs** for more detail.

Type: null or (list of (submodule))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.gce_sd_configs.*.filter
Filter can be used optionally to filter the instance list by other criteria Syntax of this filter string is described here in the filter query parameter section: **https://cloud.google.com/compute/docs/reference/latest/instances/list**.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.gce_sd_configs.*.port
The port to scrape metrics from. If using the public IP address, this must instead be specified in the relabeling rule.

Defaults to ‘80’ in prometheus when set to ‘null’.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.gce_sd_configs.*.project
The GCP Project.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.gce_sd_configs.*.refresh_interval
Refresh interval to re−read the cloud instance list.

Defaults to ‘60s’ in prometheus when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.gce_sd_configs.*.tag_separator
The tag separator used to separate concatenated GCE instance network tags.

See the GCP documentation on network tags for more information: **https://cloud.google.com/vpc/docs/add−remove−network−tags**

Defaults to ‘,’ in prometheus when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.gce_sd_configs.*.zone
The zone of the scrape targets. If you need multiple zones use multiple gce_sd_configs.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.hetzner_sd_configs
List of Hetzner service discovery configurations.

Type: null or (list of (submodule))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.hetzner_sd_configs.*.authorization
Optional ‘Authorization’ header configuration.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.hetzner_sd_configs.*.authorization.credentials
Sets the credentials. It is mutually exclusive with ‘credentials_file’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.hetzner_sd_configs.*.authorization.credentials_file
Sets the credentials to the credentials read from the configured file. It is mutually exclusive with ‘credentials’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.hetzner_sd_configs.*.authorization.type
Sets the authentication type.

Defaults to ‘Bearer’ in prometheus when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.hetzner_sd_configs.*.basic_auth
Optional HTTP basic authentication information.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.hetzner_sd_configs.*.basic_auth.password
HTTP password

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.hetzner_sd_configs.*.basic_auth.password_file
HTTP password file

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.hetzner_sd_configs.*.basic_auth.username
HTTP username

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.hetzner_sd_configs.*.follow_redirects
Configure whether HTTP requests follow HTTP 3xx redirects.

Defaults to ‘true’ in prometheus when set to ‘null’.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.hetzner_sd_configs.*.oauth2
Optional OAuth 2.0 configuration. Cannot be used at the same time as basic_auth or authorization.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.hetzner_sd_configs.*.oauth2.client_id
OAuth client ID.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.hetzner_sd_configs.*.oauth2.client_secret
OAuth client secret.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.hetzner_sd_configs.*.oauth2.client_secret_file
Read the client secret from a file. It is mutually exclusive with ‘client_secret’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.hetzner_sd_configs.*.oauth2.endpoint_params
Optional parameters to append to the token URL.

Type: null or (attribute set of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.hetzner_sd_configs.*.oauth2.scopes
Scopes for the token request.

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.hetzner_sd_configs.*.oauth2.token_url
The URL to fetch the token from.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.hetzner_sd_configs.*.port
The port to scrape metrics from.

Defaults to '80' in prometheus when set to 'null'.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.hetzner_sd_configs.*.proxy_url
Optional proxy URL.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.hetzner_sd_configs.*.refresh_interval
The time after which the servers are refreshed.

Defaults to '60s' in prometheus when set to 'null'.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.hetzner_sd_configs.*.role
The Hetzner role of entities that should be discovered. One of 'robot' or 'hcloud'.

Type: one of "robot", "hcloud"

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.hetzner_sd_configs.*.tls_config
TLS configuration.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.hetzner_sd_configs.*.tls_config.ca_file
CA certificate to validate API server certificate with.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.hetzner_sd_configs.*.tls_config.cert_file
Certificate file for client cert authentication to the server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.hetzner_sd_configs.*.tls_config.insecure_skip_verify
Disable validation of the server certificate.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.hetzner_sd_configs.*.tls_config.key_file
Key file for client cert authentication to the server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.hetzner_sd_configs.*.tls_config.server_name
ServerName extension to indicate the name of the server. http://tools.ietf.org/html/rfc4366#section−3.1

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.honor_labels
Controls how Prometheus handles conflicts between labels that are already present in scraped data and labels that Prometheus would attach server−side (“job” and “instance” labels, manually configured target labels, and labels generated by service discovery implementations).

If honor_labels is set to “true”, label conflicts are resolved by keeping label values from the scraped data and ignoring the conflicting server−side labels.

If honor_labels is set to “false”, label conflicts are resolved by renaming conflicting labels in the scraped

data to “exported_<original−label>” (for example “exported_instance”, “exported_job”) and then attaching server−side labels. This is useful for use cases such as federation, where all labels specified in the target should be preserved.

Defaults to ‘false’ in prometheus when set to ‘null’.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.honor_timestamps
honor_timestamps controls whether Prometheus respects the timestamps present in scraped data.

If honor_timestamps is set to ‘true’, the timestamps of the metrics exposed by the target will be used.

If honor_timestamps is set to ‘false’, the timestamps of the metrics exposed by the target will be ignored.

Defaults to ‘true’ in prometheus when set to ‘null’.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.http_sd_configs
List of HTTP service discovery configurations.

Type: null or (list of (submodule))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.http_sd_configs.*.basic_auth
Authentication information used to authenticate to the API server. password and password_file are mutually exclusive.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.http_sd_configs.*.basic_auth.password
HTTP password

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.http_sd_configs.*.basic_auth.password_file
HTTP password file

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.http_sd_configs.*.basic_auth.username
HTTP username

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.http_sd_configs.*.follow_redirects
Configure whether HTTP requests follow HTTP 3xx redirects.

Defaults to ‘true’ in prometheus when set to ‘null’.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.http_sd_configs.*.proxy_url
Optional proxy URL.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.http_sd_configs.*.refresh_interval
Refresh interval to re−query the endpoint.

Defaults to ‘60s’ in prometheus when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.http_sd_configs.*.tls_config
Configures the scrape request’s TLS settings.

Type: null or (submodule)

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.http_sd_configs.*.tls_config.ca_file
CA certificate to validate API server certificate with.

Type: null or string

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.http_sd_configs.*.tls_config.cert_file
Certificate file for client cert authentication to the server.

Type: null or string

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.http_sd_configs.*.tls_config.insecure_skip_verify
Disable validation of the server certificate.

Type: null or boolean

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.http_sd_configs.*.tls_config.key_file
Key file for client cert authentication to the server.

Type: null or string

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.http_sd_configs.*.tls_config.server_name
ServerName extension to indicate the name of the server. http://tools.ietf.org/html/rfc4366#section−3.1

Type: null or string

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.http_sd_configs.*.url
URL from which the targets are fetched.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.job_name
The job name assigned to scraped metrics by default.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kubernetes_sd_configs
List of Kubernetes service discovery configurations.

Type: null or (list of (submodule))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kubernetes_sd_configs.*.api_server
The API server addresses. If left empty, Prometheus is assumed to run inside of the cluster and will discover API servers automatically and use the pod's CA certificate and bearer token file at /var/run/secrets/kubernetes.io/serviceaccount/.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kubernetes_sd_configs.*.authorization
Optional 'Authorization' header configuration.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kubernetes_sd_configs.*.authorization.credentials
Sets the credentials. It is mutually exclusive with 'credentials_file'.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kubernetes_sd_configs.*.authorization.credentials_file
Sets the credentials to the credentials read from the configured file. It is mutually exclusive with 'credentials'.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kubernetes_sd_configs.*.authorization.type
Sets the authentication type.

Defaults to 'Bearer' in prometheus when set to 'null'.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kubernetes_sd_configs.*.basic_auth
Optional HTTP basic authentication information.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kubernetes_sd_configs.*.basic_auth.password
HTTP password

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kubernetes_sd_configs.*.basic_auth.password_file
HTTP password file

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kubernetes_sd_configs.*.basic_auth.username
HTTP username

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kubernetes_sd_configs.*.follow_redirects
Configure whether HTTP requests follow HTTP 3xx redirects.

Defaults to 'true' in prometheus when set to 'null'.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kubernetes_sd_configs.*.kubeconfig_file
Optional path to a kubeconfig file. Note that api_server and kube_config are mutually exclusive.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kubernetes_sd_configs.*.namespaces
Optional namespace discovery. If omitted, all namespaces are used.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kubernetes_sd_configs.*.namespaces.names
Namespace name.

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kubernetes_sd_configs.*.oauth2
Optional OAuth 2.0 configuration. Cannot be used at the same time as basic_auth or authorization.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kubernetes_sd_configs.*.oauth2.client_id
OAuth client ID.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kubernetes_sd_configs.*.oauth2.client_secret
OAuth client secret.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kubernetes_sd_configs.*.oauth2.client_secret_file
Read the client secret from a file. It is mutually exclusive with ‘client_secret’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kubernetes_sd_configs.*.oauth2.endpoint_params
Optional parameters to append to the token URL.

Type: null or (attribute set of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kubernetes_sd_configs.*.oauth2.scopes
Scopes for the token request.

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kubernetes_sd_configs.*.oauth2.token_url
The URL to fetch the token from.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kubernetes_sd_configs.*.proxy_url
Optional proxy URL.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kubernetes_sd_configs.*.role
The Kubernetes role of entities that should be discovered. One of endpoints, service, pod, node, or ingress.

Type: one of “endpoints”, “service”, “pod”, “node”, “ingress”

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kubernetes_sd_configs.*.selectors
Optional label and field selectors to limit the discovery process to a subset of available resources. See **https://kubernetes.io/docs/concepts/overview/working−with−objects/field−selectors/** and **https://kubernetes.io/docs/concepts/overview/working−with−objects/labels/** to learn more about the possible filters that can be used. Endpoints role supports pod, service and endpoints selectors, other roles only support selectors matching the role itself (e.g. node role can only contain node selectors).

Note: When making decision about using field/label selector make sure that this is the best approach − it will prevent Prometheus from reusing single list/watch for all scrape configs. This might result in a bigger load on the Kubernetes API, because per each selector combination there will be additional LIST/WATCH. On the other hand, if you just want to monitor small subset of pods in large cluster it’s recommended to use selectors. Decision, if selectors should be used or not depends on the particular situation.

Type: null or (list of (submodule))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kubernetes_sd_configs.*.selectors.*.field
Selector field

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kubernetes_sd_configs.*.selectors.*.label
Selector label

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kubernetes_sd_configs.*.selectors.*.role
Selector role

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kubernetes_sd_configs.*.tls_config
TLS configuration.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kubernetes_sd_configs.*.tls_config.ca_file
CA certificate to validate API server certificate with.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kubernetes_sd_configs.*.tls_config.cert_file
Certificate file for client cert authentication to the server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kubernetes_sd_configs.*.tls_config.insecure_skip_verify
Disable validation of the server certificate.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kubernetes_sd_configs.*.tls_config.key_file
Key file for client cert authentication to the server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kubernetes_sd_configs.*.tls_config.server_name
ServerName extension to indicate the name of the server. http://tools.ietf.org/html/rfc4366#section−3.1

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kuma_sd_configs
List of Kuma service discovery configurations.

Type: null or (list of (submodule))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kuma_sd_configs.*.authorization
Optional ‘Authorization’ header configuration.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kuma_sd_configs.*.authorization.credentials
Sets the credentials. It is mutually exclusive with ‘credentials_file’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kuma_sd_configs.*.authorization.credentials_file
Sets the credentials to the credentials read from the configured file. It is mutually exclusive with ‘credentials’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kuma_sd_configs.*.authorization.type
Sets the authentication type.

Defaults to 'Bearer' in prometheus when set to 'null'.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kuma_sd_configs.*.basic_auth
Optional HTTP basic authentication information.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kuma_sd_configs.*.basic_auth.password
HTTP password

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kuma_sd_configs.*.basic_auth.password_file
HTTP password file

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kuma_sd_configs.*.basic_auth.username
HTTP username

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kuma_sd_configs.*.fetch_timeout
The time after which the monitoring assignments are refreshed.

Defaults to '2m' in prometheus when set to 'null'.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kuma_sd_configs.*.follow_redirects
Configure whether HTTP requests follow HTTP 3xx redirects.

Defaults to 'true' in prometheus when set to 'null'.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kuma_sd_configs.*.oauth2
Optional OAuth 2.0 configuration. Cannot be used at the same time as basic_auth or authorization.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kuma_sd_configs.*.oauth2.client_id
OAuth client ID.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kuma_sd_configs.*.oauth2.client_secret
OAuth client secret.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kuma_sd_configs.*.oauth2.client_secret_file
Read the client secret from a file. It is mutually exclusive with 'client_secret'.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kuma_sd_configs.*.oauth2.endpoint_params
Optional parameters to append to the token URL.

Type: null or (attribute set of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kuma_sd_configs.*.oauth2.scopes
Scopes for the token request.

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kuma_sd_configs.*.oauth2.token_url
The URL to fetch the token from.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kuma_sd_configs.*.proxy_url
Optional proxy URL.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kuma_sd_configs.*.refresh_interval
The time to wait between polling update requests.

Defaults to ‘30s’ in prometheus when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kuma_sd_configs.*.server
Address of the Kuma Control Plane’s MADS xDS server.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kuma_sd_configs.*.tls_config
TLS configuration.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kuma_sd_configs.*.tls_config.ca_file
CA certificate to validate API server certificate with.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kuma_sd_configs.*.tls_config.cert_file
Certificate file for client cert authentication to the server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kuma_sd_configs.*.tls_config.insecure_skip_verify
Disable validation of the server certificate.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kuma_sd_configs.*.tls_config.key_file
Key file for client cert authentication to the server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.kuma_sd_configs.*.tls_config.server_name
ServerName extension to indicate the name of the server. http://tools.ietf.org/html/rfc4366#section−3.1

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.label_limit
Per−scrape limit on number of labels that will be accepted for a sample. If more than this number of labels are present post metric−relabeling, the entire scrape will be treated as failed. 0 means no limit.

Defaults to ‘0’ in prometheus when set to ‘null’.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.label_name_length_limit
Per−scrape limit on length of labels name that will be accepted for a sample. If a label name is longer than this number post metric−relabeling, the entire scrape will be treated as failed. 0 means no limit.

Defaults to ‘0’ in prometheus when set to ‘null’.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.label_value_length_limit
Per−scrape limit on length of labels value that will be accepted for a sample. If a label value is longer than this number post metric−relabeling, the entire scrape will be treated as failed. 0 means no limit.

Defaults to ‘0’ in prometheus when set to ‘null’.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.lightsail_sd_configs
List of Lightsail service discovery configurations.

Type: null or (list of (submodule))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.lightsail_sd_configs.*.access_key
The AWS API keys. If blank, the environment variable ‘AWS_ACCESS_KEY_ID’ is used.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.lightsail_sd_configs.*.endpoint
Custom endpoint to be used.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.lightsail_sd_configs.*.port
The port to scrape metrics from. If using the public IP address, this must instead be specified in the relabeling rule.

Defaults to ‘80’ in prometheus when set to ‘null’.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.lightsail_sd_configs.*.profile
Named AWS profile used to connect to the API.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.lightsail_sd_configs.*.refresh_interval
Refresh interval to re−read the instance list.

Defaults to ‘60s’ in prometheus when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.lightsail_sd_configs.*.region
The AWS region. If blank, the region from the instance metadata is used.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.lightsail_sd_configs.*.role_arn
AWS Role ARN, an alternative to using AWS API keys.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.lightsail_sd_configs.*.secret_key
The AWS API keys. If blank, the environment variable 'AWS_SECRET_ACCESS_KEY' is used.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.linode_sd_configs
List of Linode service discovery configurations.

Type: null or (list of (submodule))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.linode_sd_configs.*.authorization
Optional 'Authorization' header configuration.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.linode_sd_configs.*.authorization.credentials
Sets the credentials. It is mutually exclusive with 'credentials_file'.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.linode_sd_configs.*.authorization.credentials_file
Sets the credentials to the credentials read from the configured file. It is mutually exclusive with 'credentials'.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.linode_sd_configs.*.authorization.type
Sets the authentication type.

Defaults to 'Bearer' in prometheus when set to 'null'.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.linode_sd_configs.*.basic_auth
Optional HTTP basic authentication information.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.linode_sd_configs.*.basic_auth.password
HTTP password

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.linode_sd_configs.*.basic_auth.password_file
HTTP password file

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.linode_sd_configs.*.basic_auth.username
HTTP username

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.linode_sd_configs.*.follow_redirects
Configure whether HTTP requests follow HTTP 3xx redirects.

Defaults to 'true' in prometheus when set to 'null'.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.linode_sd_configs.*.oauth2
Optional OAuth 2.0 configuration. Cannot be used at the same time as basic_auth or authorization.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.linode_sd_configs.*.oauth2.client_id
OAuth client ID.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.linode_sd_configs.*.oauth2.client_secret
OAuth client secret.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.linode_sd_configs.*.oauth2.client_secret_file
Read the client secret from a file. It is mutually exclusive with ‘client_secret’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.linode_sd_configs.*.oauth2.endpoint_params
Optional parameters to append to the token URL.

Type: null or (attribute set of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.linode_sd_configs.*.oauth2.scopes
Scopes for the token request.

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.linode_sd_configs.*.oauth2.token_url
The URL to fetch the token from.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.linode_sd_configs.*.port
The port to scrape metrics from.

Defaults to ‘80’ in prometheus when set to ‘null’.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.linode_sd_configs.*.proxy_url
Optional proxy URL.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.linode_sd_configs.*.refresh_interval
The time after which the linode instances are refreshed.

Defaults to ‘60s’ in prometheus when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.linode_sd_configs.*.tag_separator
The string by which Linode Instance tags are joined into the tag label.

Defaults to ‘,’ in prometheus when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.linode_sd_configs.*.tls_config
TLS configuration.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.linode_sd_configs.*.tls_config.ca_file
CA certificate to validate API server certificate with.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.linode_sd_configs.*.tls_config.cert_file
Certificate file for client cert authentication to the server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.linode_sd_configs.*.tls_config.insecure_skip_verify
Disable validation of the server certificate.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.linode_sd_configs.*.tls_config.key_file
Key file for client cert authentication to the server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.linode_sd_configs.*.tls_config.server_name
ServerName extension to indicate the name of the server. http://tools.ietf.org/html/rfc4366#section−3.1

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.marathon_sd_configs
List of Marathon service discovery configurations.

Type: null or (list of (submodule))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.marathon_sd_configs.*.auth_token
Optional authentication information for token−based authentication: **https://docs.mesosphere.com/1.11/security/ent/iam−api/#passing−an−authentication−token** It is mutually exclusive with ‘auth_token_file’ and other authentication mechanisms.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.marathon_sd_configs.*.auth_token_file
Optional authentication information for token−based authentication: **https://docs.mesosphere.com/1.11/security/ent/iam−api/#passing−an−authentication−token** It is mutually exclusive with ‘auth_token’ and other authentication mechanisms.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.marathon_sd_configs.*.authorization
Optional ‘Authorization’ header configuration.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.marathon_sd_configs.*.authorization.credentials
Sets the credentials. It is mutually exclusive with ‘credentials_file’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.marathon_sd_configs.*.authorization.credentials_file
Sets the credentials to the credentials read from the configured file. It is mutually exclusive with ‘credentials’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.marathon_sd_configs.*.authorization.type
Sets the authentication type.

Defaults to ‘Bearer’ in prometheus when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.marathon_sd_configs.*.basic_auth
Optional HTTP basic authentication information.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.marathon_sd_configs.*.basic_auth.password
HTTP password

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.marathon_sd_configs.*.basic_auth.password_file
HTTP password file

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.marathon_sd_configs.*.basic_auth.username
HTTP username

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.marathon_sd_configs.*.follow_redirects
Configure whether HTTP requests follow HTTP 3xx redirects.

Defaults to ‘true’ in prometheus when set to ‘null’.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.marathon_sd_configs.*.oauth2
Optional OAuth 2.0 configuration. Cannot be used at the same time as basic_auth or authorization.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.marathon_sd_configs.*.oauth2.client_id
OAuth client ID.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.marathon_sd_configs.*.oauth2.client_secret
OAuth client secret.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.marathon_sd_configs.*.oauth2.client_secret_file
Read the client secret from a file. It is mutually exclusive with ‘client_secret’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.marathon_sd_configs.*.oauth2.endpoint_params
Optional parameters to append to the token URL.

Type: null or (attribute set of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.marathon_sd_configs.*.oauth2.scopes
Scopes for the token request.

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.marathon_sd_configs.*.oauth2.token_url
The URL to fetch the token from.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.marathon_sd_configs.*.proxy_url
Optional proxy URL.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.marathon_sd_configs.*.refresh_interval
Polling interval.

Defaults to ‘30s’ in prometheus when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.marathon_sd_configs.*.servers
List of URLs to be used to contact Marathon servers. You need to provide at least one server URL.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.marathon_sd_configs.*.tls_config
TLS configuration.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.marathon_sd_configs.*.tls_config.ca_file
CA certificate to validate API server certificate with.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.marathon_sd_configs.*.tls_config.cert_file
Certificate file for client cert authentication to the server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.marathon_sd_configs.*.tls_config.insecure_skip_verify
Disable validation of the server certificate.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.marathon_sd_configs.*.tls_config.key_file
Key file for client cert authentication to the server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.marathon_sd_configs.*.tls_config.server_name
ServerName extension to indicate the name of the server. http://tools.ietf.org/html/rfc4366#section−3.1

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.metric_relabel_configs
List of metric relabel configurations.

Type: null or (list of (submodule))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.metric_relabel_configs.*.action
Action to perform based on regex matching.

Defaults to ‘replace’ in prometheus when set to ‘null’.

Type: null or one of “replace”, “lowercase”, “uppercase”, “keep”, “drop”, “hashmod”, “labelmap”, “labeldrop”, “labelkeep”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.metric_relabel_configs.*.modulus
Modulus to take of the hash of the source label values.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.metric_relabel_configs.*.regex
Regular expression against which the extracted value is matched.

Defaults to ‘(.*)’ in prometheus when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.metric_relabel_configs.*.replacement

Replacement value against which a regex replace is performed if the regular expression matches.

Defaults to '$1' in prometheus when set to 'null'.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.metric_relabel_configs.*.separator

Separator placed between concatenated source label values.

Defaults to ';' in prometheus when set to 'null'.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.metric_relabel_configs.*.source_labels

The source labels select values from existing labels. Their content is concatenated using the configured separator and matched against the configured regular expression.

Type: null or (list of string)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.metric_relabel_configs.*.target_label

Label to which the resulting value is written in a replace action. It is mandatory for replace actions.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.metrics_path

The HTTP resource path on which to fetch metrics from targets.

Defaults to '/metrics' in prometheus when set to 'null'.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.nerve_sd_configs
List of AirBnB's Nerve service discovery configurations.

Type: null or (list of (submodule))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.nerve_sd_configs.*.paths
Paths can point to a single service, or the root of a tree of services.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.nerve_sd_configs.*.servers
The Zookeeper servers.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.nerve_sd_configs.*.timeout
Timeout value.

Defaults to '10s' in prometheus when set to 'null'.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.openstack_sd_configs
List of OpenStack service discovery configurations.

Type: null or (list of (submodule))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.openstack_sd_configs.*.all_tenants
Whether the service discovery should list all instances for all projects. It is only relevant for the 'instance' role and usually requires admin permissions.

Defaults to 'false' in prometheus when set to 'null'.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.openstack_sd_configs.*.application_credential_id
The application_credential_id or application_credential_name fields are required if using an application credential to authenticate. Some providers allow you to create an application credential to authenticate rather than a password.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.openstack_sd_configs.*.application_credential_name
The application_credential_id or application_credential_name fields are required if using an application credential to authenticate. Some providers allow you to create an application credential to authenticate rather than a password.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.openstack_sd_configs.*.application_credential_secret
The application_credential_secret field is required if using an application credential to authenticate.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.openstack_sd_configs.*.availability
The availability of the endpoint to connect to. Must be one of public, admin or internal.

Defaults to ‘public’ in prometheus when set to ‘null’.

Type: null or one of “public”, “admin”, “internal”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.openstack_sd_configs.*.domain_id
At most one of domain_id and domain_name must be provided if using username with Identity V3. Otherwise, either are optional.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.openstack_sd_configs.*.domain_name
At most one of domain_id and domain_name must be provided if using username with Identity V3. Otherwise, either are optional.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.openstack_sd_configs.*.identity_endpoint
identity_endpoint specifies the HTTP endpoint that is required to work with the Identity API of the appropriate version. While it's ultimately needed by all of the identity services, it will often be populated by a provider−level function.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.openstack_sd_configs.*.password
password for the Identity V2 and V3 APIs. Consult with your provider's control panel to discover your account's preferred method of authentication.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.openstack_sd_configs.*.port
The port to scrape metrics from. If using the public IP address, this must instead be specified in the relabeling rule.

Defaults to '80' in prometheus when set to 'null'.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.openstack_sd_configs.*.project_id
The project_id and project_name fields are optional for the Identity V2 API. Some providers allow you to specify a project_name instead of the project_id. Some require both. Your provider's authentication policies will determine how these fields influence authentication.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.openstack_sd_configs.*.project_name
The project_id and project_name fields are optional for the Identity V2 API. Some providers allow you to specify a project_name instead of the project_id. Some require both. Your provider's authentication policies will determine how these fields influence authentication.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.openstack_sd_configs.*.refresh_interval
Refresh interval to re−read the instance list.

Defaults to '60s' in prometheus when set to 'null'.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.openstack_sd_configs.*.region
The OpenStack Region.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.openstack_sd_configs.*.role
The OpenStack role of entities that should be discovered.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.openstack_sd_configs.*.tls_config
TLS configuration.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.openstack_sd_configs.*.tls_config.ca_file
CA certificate to validate API server certificate with.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.openstack_sd_configs.*.tls_config.cert_file
Certificate file for client cert authentication to the server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.openstack_sd_configs.*.tls_config.insecure_skip_verify
Disable validation of the server certificate.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.openstack_sd_configs.*.tls_config.key_file
Key file for client cert authentication to the server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.openstack_sd_configs.*.tls_config.server_name
ServerName extension to indicate the name of the server. http://tools.ietf.org/html/rfc4366#section−3.1

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.openstack_sd_configs.*.userid
username is required if using Identity V2 API. Consult with your provider's control panel to discover your account's username. In Identity V3, either userid or a combination of username and domain_id or domain_name are needed.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.openstack_sd_configs.*.username
username is required if using Identity V2 API. Consult with your provider's control panel to discover your account's username. In Identity V3, either userid or a combination of username and domain_id or domain_name are needed.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.params
Optional HTTP URL parameters.

Type: null or (attribute set of list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.proxy_url
Optional proxy URL.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.puppetdb_sd_configs
List of PuppetDB service discovery configurations.

Type: null or (list of (submodule))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.puppetdb_sd_configs.*.authorization
Optional 'Authorization' header configuration.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.puppetdb_sd_configs.*.authorization.credentials
Sets the credentials. It is mutually exclusive with 'credentials_file'.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.puppetdb_sd_configs.*.authorization.credentials_file
Sets the credentials to the credentials read from the configured file. It is mutually exclusive with 'credentials'.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.puppetdb_sd_configs.*.authorization.type
Sets the authentication type.

Defaults to 'Bearer' in prometheus when set to 'null'.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.puppetdb_sd_configs.*.basic_auth
Optional HTTP basic authentication information.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.puppetdb_sd_configs.*.basic_auth.password
HTTP password

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.puppetdb_sd_configs.*.basic_auth.password_file
HTTP password file

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.puppetdb_sd_configs.*.basic_auth.username
HTTP username

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.puppetdb_sd_configs.*.follow_redirects
Configure whether HTTP requests follow HTTP 3xx redirects.

Defaults to ‘true’ in prometheus when set to ‘null’.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.puppetdb_sd_configs.*.include_parameters
Whether to include the parameters as meta labels. Due to the differences between parameter types and Prometheus labels, some parameters might not be rendered. The format of the parameters might also change in future releases.

Note: Enabling this exposes parameters in the Prometheus UI and API. Make sure that you don’t have secrets exposed as parameters if you enable this.

Defaults to ‘false’ in prometheus when set to ‘null’.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.puppetdb_sd_configs.*.oauth2
Optional OAuth 2.0 configuration. Cannot be used at the same time as basic_auth or authorization.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.puppetdb_sd_configs.*.oauth2.client_id
OAuth client ID.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.puppetdb_sd_configs.*.oauth2.client_secret
OAuth client secret.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.puppetdb_sd_configs.*.oauth2.client_secret_file
Read the client secret from a file. It is mutually exclusive with ‘client_secret’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.puppetdb_sd_configs.*.oauth2.endpoint_params
Optional parameters to append to the token URL.

Type: null or (attribute set of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.puppetdb_sd_configs.*.oauth2.scopes
Scopes for the token request.

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.puppetdb_sd_configs.*.oauth2.token_url
The URL to fetch the token from.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.puppetdb_sd_configs.*.port
The port to scrape metrics from.

Defaults to ‘80’ in prometheus when set to ‘null’.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.puppetdb_sd_configs.*.proxy_url
Optional proxy URL.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.puppetdb_sd_configs.*.query
Puppet Query Language (PQL) query. Only resources are supported. **https://puppet.com/docs/puppetdb/latest/api/query/v4/pql.html**

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.puppetdb_sd_configs.*.refresh_interval
Refresh interval to re−read the resources list.

Defaults to ‘60s’ in prometheus when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.puppetdb_sd_configs.*.tls_config
TLS configuration.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.puppetdb_sd_configs.*.tls_config.ca_file
CA certificate to validate API server certificate with.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.puppetdb_sd_configs.*.tls_config.cert_file
Certificate file for client cert authentication to the server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.puppetdb_sd_configs.*.tls_config.insecure_skip_verify
Disable validation of the server certificate.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.puppetdb_sd_configs.*.tls_config.key_file
Key file for client cert authentication to the server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.puppetdb_sd_configs.*.tls_config.server_name
ServerName extension to indicate the name of the server. http://tools.ietf.org/html/rfc4366#section−3.1

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.puppetdb_sd_configs.*.url
The URL of the PuppetDB root query endpoint.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.relabel_configs
List of relabel configurations.

Type: null or (list of (submodule))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.relabel_configs.*.action
Action to perform based on regex matching.

Defaults to ‘replace’ in prometheus when set to ‘null’.

Type: null or one of “replace”, “lowercase”, “uppercase”, “keep”, “drop”, “hashmod”, “labelmap”, “labeldrop”, “labelkeep”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.relabel_configs.*.modulus
Modulus to take of the hash of the source label values.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.relabel_configs.*.regex
Regular expression against which the extracted value is matched.

Defaults to '(.*)' in prometheus when set to 'null'.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.relabel_configs.*.replacement
Replacement value against which a regex replace is performed if the regular expression matches.

Defaults to '$1' in prometheus when set to 'null'.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.relabel_configs.*.separator
Separator placed between concatenated source label values.

Defaults to ';' in prometheus when set to 'null'.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.relabel_configs.*.source_labels
The source labels select values from existing labels. Their content is concatenated using the configured separator and matched against the configured regular expression.

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.relabel_configs.*.target_label
Label to which the resulting value is written in a replace action. It is mandatory for replace actions.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.sample_limit
Per−scrape limit on number of scraped samples that will be accepted. If more than this number of samples are present after metric relabelling the entire scrape will be treated as failed. 0 means no limit.

Defaults to ‘0’ in prometheus when set to ‘null’.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.scaleway_sd_configs
List of Scaleway service discovery configurations.

Type: null or (list of (submodule))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.scaleway_sd_configs.*.access_key
Access key to use. **https://console.scaleway.com/project/credentials**

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.scaleway_sd_configs.*.api_url
API URL to use when doing the server listing requests.

Defaults to ‘https://api.scaleway.com’ in prometheus when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.scaleway_sd_configs.*.follow_redirects
Configure whether HTTP requests follow HTTP 3xx redirects.

Defaults to ‘true’ in prometheus when set to ‘null’.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.scaleway_sd_configs.*.name_filter
Specify a name filter (works as a LIKE) to apply on the server listing request.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.scaleway_sd_configs.*.port
The port to scrape metrics from.

Defaults to ‘80’ in prometheus when set to ‘null’.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.scaleway_sd_configs.*.project_id
Project ID of the targets.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.scaleway_sd_configs.*.proxy_url
Optional proxy URL.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.scaleway_sd_configs.*.refresh_interval
Refresh interval to re−read the managed targets list.

Defaults to ‘60s’ in prometheus when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.scaleway_sd_configs.*.role
Role of the targets to retrieve. Must be ‘instance’ or ‘baremetal’.

Type: one of “instance”, “baremetal”

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.scaleway_sd_configs.*.secret_key
Secret key to use when listing targets. **https://console.scaleway.com/project/credentials** It is mutually exclusive with ‘secret_key_file’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.scaleway_sd_configs.*.secret_key_file
Sets the secret key with the credentials read from the configured file. It is mutually exclusive with ‘secret_key’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.scaleway_sd_configs.*.tags_filter
Specify a tag filter (a server needs to have all defined tags to be listed) to apply on the server listing request.

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.scaleway_sd_configs.*.tls_config
TLS configuration.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.scaleway_sd_configs.*.tls_config.ca_file
CA certificate to validate API server certificate with.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.scaleway_sd_configs.*.tls_config.cert_file
Certificate file for client cert authentication to the server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.scaleway_sd_configs.*.tls_config.insecure_skip_verify
Disable validation of the server certificate.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.scaleway_sd_configs.*.tls_config.key_file
Key file for client cert authentication to the server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.scaleway_sd_configs.*.tls_config.server_name
ServerName extension to indicate the name of the server. http://tools.ietf.org/html/rfc4366#section−3.1

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.scaleway_sd_configs.*.zone
Zone is the availability zone of your targets (e.g. fr−par−1).

Defaults to ‘fr−par−1’ in prometheus when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.scheme
The URL scheme with which to fetch metrics from targets.

Defaults to ‘http’ in prometheus when set to ‘null’.

Type: null or one of “http”, “https”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.scrape_interval
How frequently to scrape targets from this job. Defaults to the globally configured default.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.scrape_protocols
The protocols to negotiate during a scrape with the client.

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.scrape_timeout
Per−target timeout when scraping this job. Defaults to the globally configured default.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.serverset_sd_configs
List of Zookeeper Serverset service discovery configurations.

Type: null or (list of (submodule))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.serverset_sd_configs.*.paths
Paths can point to a single service, or the root of a tree of services.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.serverset_sd_configs.*.servers
The Zookeeper servers.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.serverset_sd_configs.*.timeout
Timeout value.

Defaults to ‘10s’ in prometheus when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.static_configs
List of labeled target groups for this job.

Type: null or (list of (submodule))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.static_configs.*.labels
Labels assigned to all metrics scraped from the targets.

Type: attribute set of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.static_configs.*.targets
The targets specified by the target group.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.target_limit
Per−scrape config limit on number of unique targets that will be accepted. If more than this number of targets are present after target relabeling, Prometheus will mark the targets as failed without scraping them. 0 means no limit. This is an experimental feature, this behaviour could change in the future.

Defaults to ‘0’ in prometheus when set to ‘null’.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.tls_config
Configures the scrape request’s TLS settings.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.tls_config.ca_file
CA certificate to validate API server certificate with.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.tls_config.cert_file
Certificate file for client cert authentication to the server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.tls_config.insecure_skip_verify
Disable validation of the server certificate.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.tls_config.key_file
Key file for client cert authentication to the server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.tls_config.server_name
ServerName extension to indicate the name of the server. http://tools.ietf.org/html/rfc4366#section−3.1

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.triton_sd_configs
List of Triton Serverset service discovery configurations.

Type: null or (list of (submodule))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.triton_sd_configs.*.account
The account to use for discovering new targets.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.triton_sd_configs.*.dns_suffix
The DNS suffix which should be applied to target.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.triton_sd_configs.*.endpoint
The Triton discovery endpoint (e.g. ‘cmon.us−east−3b.triton.zone’). This is often the same value as dns_suffix.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.triton_sd_configs.*.groups
A list of groups for which targets are retrieved, only supported when targeting the ‘container’ role. If omitted all containers owned by the requesting account are scraped.

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.triton_sd_configs.*.port
The port to use for discovery and metric scraping.

Defaults to '9163' in prometheus when set to 'null'.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.triton_sd_configs.*.refresh_interval
The interval which should be used for refreshing targets.

Defaults to '60s' in prometheus when set to 'null'.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.triton_sd_configs.*.role
The type of targets to discover, can be set to:

- "container" to discover virtual machines (SmartOS zones, lx/KVM/bhyve branded zones) running on Triton
- "cn" to discover compute nodes (servers/global zones) making up the Triton infrastructure

Defaults to 'container' in prometheus when set to 'null'.

Type: null or one of "container", "cn"

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.triton_sd_configs.*.tls_config
TLS configuration.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.triton_sd_configs.*.tls_config.ca_file
CA certificate to validate API server certificate with.

Type: null or string

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.triton_sd_configs.*.tls_config.cert_file
Certificate file for client cert authentication to the server.

Type: null or string

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.triton_sd_configs.*.tls_config.insecure_skip_verify
Disable validation of the server certificate.

Type: null or boolean

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.triton_sd_configs.*.tls_config.key_file
Key file for client cert authentication to the server.

Type: null or string

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.triton_sd_configs.*.tls_config.server_name
ServerName extension to indicate the name of the server. http://tools.ietf.org/html/rfc4366#section−3.1

Type: null or string

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.triton_sd_configs.*.version
The Triton discovery API version.

Defaults to ‘1’ in prometheus when set to ‘null’.

Type: null or signed integer

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.uyuni_sd_configs
List of Uyuni Serverset service discovery configurations.

Type: null or (list of (submodule))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.uyuni_sd_configs.*.authorization
Optional ‘Authorization’ header configuration.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.uyuni_sd_configs.*.authorization.credentials
Sets the credentials. It is mutually exclusive with ‘credentials_file’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.uyuni_sd_configs.*.authorization.credentials_file
Sets the credentials to the credentials read from the configured file. It is mutually exclusive with ‘credentials’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.uyuni_sd_configs.*.authorization.type
Sets the authentication type.

Defaults to ‘Bearer’ in prometheus when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.uyuni_sd_configs.*.basic_auth
Optional HTTP basic authentication information.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.uyuni_sd_configs.*.basic_auth.password
HTTP password

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.uyuni_sd_configs.*.basic_auth.password_file
HTTP password file

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.uyuni_sd_configs.*.basic_auth.username
HTTP username

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.uyuni_sd_configs.*.entitlement
The entitlement string to filter eligible systems.

Defaults to ‘monitoring_entitled’ in prometheus when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.uyuni_sd_configs.*.follow_redirects
Configure whether HTTP requests follow HTTP 3xx redirects.

Defaults to ‘true’ in prometheus when set to ‘null’.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.uyuni_sd_configs.*.oauth2
Optional OAuth 2.0 configuration. Cannot be used at the same time as basic_auth or authorization.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.uyuni_sd_configs.*.oauth2.client_id
OAuth client ID.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.uyuni_sd_configs.*.oauth2.client_secret
OAuth client secret.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.uyuni_sd_configs.*.oauth2.client_secret_file
Read the client secret from a file. It is mutually exclusive with ‘client_secret’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.uyuni_sd_configs.*.oauth2.endpoint_params
Optional parameters to append to the token URL.

Type: null or (attribute set of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.uyuni_sd_configs.*.oauth2.scopes
Scopes for the token request.

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.uyuni_sd_configs.*.oauth2.token_url
The URL to fetch the token from.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.uyuni_sd_configs.*.password
Credentials are used to authenticate the requests to Uyuni API.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.uyuni_sd_configs.*.proxy_url
Optional proxy URL.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.uyuni_sd_configs.*.refresh_interval
Refresh interval to re−read the managed targets list.

Defaults to ‘60s’ in prometheus when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.uyuni_sd_configs.*.separator
The string by which Uyuni group names are joined into the groups label

Defaults to ‘,’ in prometheus when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.uyuni_sd_configs.*.server
The URL to connect to the Uyuni server.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.uyuni_sd_configs.*.tls_config
TLS configuration.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.uyuni_sd_configs.*.tls_config.ca_file
CA certificate to validate API server certificate with.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.uyuni_sd_configs.*.tls_config.cert_file
Certificate file for client cert authentication to the server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.uyuni_sd_configs.*.tls_config.insecure_skip_verify
Disable validation of the server certificate.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.uyuni_sd_configs.*.tls_config.key_file
Key file for client cert authentication to the server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.uyuni_sd_configs.*.tls_config.server_name
ServerName extension to indicate the name of the server. http://tools.ietf.org/html/rfc4366#section−3.1

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.scrapeConfigs.*.uyuni_sd_configs.*.username
Credentials are used to authenticate the requests to Uyuni API.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.stateDir
Directory below '/var/lib' to store Prometheus metrics data. This directory will be created automatically using systemd's StateDirectory mechanism.

Type: string

Default:

```
"prometheus2"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.webConfigFile
Specifies which file should be used as web.config.file and be passed on startup. See **https://prometheus.io/docs/prometheus/latest/configuration/https/** for valid options.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.webExternalUrl
The URL under which Prometheus is externally reachable (for example, if Prometheus is served via a reverse proxy).

Type: null or string

Default:

```
null
```

Example:

```
"https://example.com/"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/default.nix>

services.prometheus.xmpp−alerts.enable
Whether to enable XMPP Web hook service for Alertmanager.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/xmpp−alerts.nix>

services.prometheus.xmpp−alerts.settings
Configuration for prometheus xmpp−alerts, see **https://github.com/jelmer/prometheus−xmpp−alerts/blob/master/xmpp−alerts.yml.example** for supported values.

Type: YAML 1.1 value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/prometheus/xmpp−alerts.nix>

services.prosody.enable
Whether to enable the prosody server

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.package
The prosody package to use.

Type: package

Default:

```
pkgs.prosody
```

Example:

```
pkgs.prosody.override {
  withExtraLibs = [ pkgs.luaPackages.lpty ];
  withCommunityModules = [ "auth_external" ];
};
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.admins
List of administrators of the current host

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "admin1@example.com"
  "admin2@example.com"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.allowRegistration

Allow account creation

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.authentication

Authentication mechanism used for logins.

Type: one of “internal_plain”, “internal_hashed”, “cyrus”, “anonymous”, “ldap”

Default:

```
"internal_hashed"
```

Example:

```
"internal_plain"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.c2sRequireEncryption

Force clients to use encrypted connections? This option will prevent clients from authenticating unless they are using encryption.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.checkConfig

Check the configuration file with ‘prosodyctl check config’

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.dataDir

The prosody home directory used to store all data. If left as the default value this directory will automatically be created before the prosody server starts, otherwise you are responsible for ensuring the directory exists with appropriate ownership and permissions.

Type: absolute path

Default:

```
"/var/lib/prosody"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.disco_items
List of discoverable items you want to advertise.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.disco_items.*.description
A short description of the endpoint you want to advertise

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.disco_items.*.url
URL of the endpoint you want to make discoverable

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.extraConfig
Additional prosody configuration

The generated file is processed by ‘envsubst’ to allow secrets to be passed securely via environment variables.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.extraModules
Enable custom modules

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.extraPluginPaths
Additional path in which to look find plugins/modules

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.group
Group account under which prosody runs.

Note
If left as the default value this group will automatically be created on system activation, otherwise you are responsible for ensuring the group exists before the prosody service starts.

Type: string

Default:

```
"prosody"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.httpFileShare
Configures the http_file_share module to handle user uploads.

See **https://prosody.im/doc/modules/mod_http_file_share** for a full list of options.

Type: null or (open submodule of int, bool, string or list of them)

Default:

```
null
```

Example:

```
{
  domain = "uploads.my-xmpp-example-host.org";
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.httpFileShare.daily_quota
Maximum size of daily uploaded files per user, in bytes.

Type: null or signed integer

Default:

```
10 * services.prosody.httpFileShare.size_limit
```

Example:

```
"100*1024*1024"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.httpFileShare.domain
Domain name for a http_file_share service.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.httpFileShare.expires_after
Max age of a file before it gets deleted.

Type: string

Default:

```
"1 week"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.httpFileShare.http_external_url
External URL in case Prosody sits behind a reverse proxy.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.httpFileShare.http_host
To avoid an additional DNS record and certificate, you may set this option to your primary domain (e.g. “example.com”) or use a reverse proxy to handle the HTTP for that domain.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.httpFileShare.size_limit
Maximum file size, in bytes.

Type: signed integer

Default:

```
"10 * 1024 * 1024"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.httpInterfaces
Interfaces on which the HTTP server will listen on.

Type: list of string

Default:

```
[
  "*"
  "::"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.httpPorts

Listening HTTP ports list for this service.

Type: list of 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
[
  5280
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.httpsInterfaces

Interfaces on which the HTTPS server will listen on.

Type: list of string

Default:

```
[
  "*"
  "::"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.httpsPorts

Listening HTTPS ports list for this service.

Type: list of 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
[
  5281
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.log

Logging configuration. See [1] for more details

Type: strings concatenated with “\n”

Default:

```
"\"*syslog\""
```

Example:

```
{
  { min = "warn"; to = "*syslog"; };
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/prosody.nix>

1. https://prosody.im/doc/logging

services.prosody.modules.admin_adhoc
Allows administration via an XMPP client that supports ad−hoc commands

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.modules.admin_telnet
Opens telnet console interface on localhost port 5582

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.modules.announce
Send announcement to all online users

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.modules.blocklist
Allow users to block communications with other users

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.modules.bookmarks
Allows interop between older clients that use XEP−0048: Bookmarks in its 1.0 version and recent clients which use it in PEP

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.modules.bosh
Enable BOSH clients, aka ‘Jabber over HTTP’

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.modules.carbons
Keep multiple clients in sync

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.modules.cloud_notify
Push notifications to inform users of new messages or other pertinent information even when they have no XMPP clients online

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.modules.csi
Implements the CSI protocol that allows clients to report their active/inactive state to the server

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.modules.dialback
s2s dialback support

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.modules.disco
Service discovery

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.modules.groups
Shared roster support

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.modules.http_files
Serve static files from a directory over HTTP

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.modules.legacyauth
Legacy authentication. Only used by some old clients and bots

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.modules.limits
Enable bandwidth limiting for XMPP connections

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.modules.mam
Store messages in an archive and allow users to access it

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.modules.motd
Send a message to users when they log in

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.modules.pep
Enables users to publish their mood, activity, playing music and more

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.modules.ping
Replies to XMPP pings with pongs

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.modules.private
Private XML storage (for room bookmarks, etc.)

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.modules.proxy65
Enables a file transfer proxy service which clients behind NAT can use

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.modules.register
Allow users to register on this server using a client and change passwords

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.modules.roster
Allow users to have a roster

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.modules.saslauth
Authentication for clients and servers. Recommended if you want to log in.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.modules.server_contact_info
Publish contact information for this service

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.modules.smacks
Allow a client to resume a disconnected session, and prevent message loss

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.modules.time
Let others know the time here on this server

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.modules.tls
Add support for secure TLS on c2s/s2s connections

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.modules.uptime
Report how long server has been running

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.modules.vcard
Allow users to set vCards

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.modules.vcard_legacy
Converts users profiles and Avatars between old and new formats

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.modules.version
Replies to server version requests

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.modules.watchregistrations
Alert admins of registrations

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.modules.websocket
Enable WebSocket support

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.modules.welcome
Welcome users who register accounts

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.muc
Multi User Chat (MUC) configuration

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    domain = "conference.my-xmpp-example-host.org";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.muc.*.allowners_muc
Add module allowners, any user in chat is able to kick other. Useful in jitsi-meet to kick ghosts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.muc.*.domain
Domain name of the MUC

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.muc.*.extraConfig
Additional MUC specific configuration

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.muc.*.maxHistoryMessages

Specifies a limit on what each room can be configured to keep

Type: signed integer

Default:

```
20
```

Declared by:

<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.muc.*.moderation

Allow rooms to be moderated

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.muc.*.name

The name to return in service discovery responses for the MUC service itself

Type: string

Default:

```
"Prosody Chatrooms"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.muc.*.restrictRoomCreation

Restrict room creation to server admins

Type: one of true, false, “admin”, “local”

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.muc.*.roomDefaultChangeSubject

If set, the rooms will display the public JIDs by default.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.muc.*.roomDefaultHistoryLength

Number of history message sent to participants by default.

Type: signed integer

Default:

```
20
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.muc.*.roomDefaultLanguage
Default room language.

Type: string

Default:

```
"en"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.muc.*.roomDefaultMembersOnly
If set, the MUC rooms will only be accessible to the members by default.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.muc.*.roomDefaultModerated
If set, the MUC rooms will be moderated by default.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.muc.*.roomDefaultPublic
If set, the MUC rooms will be public by default.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.muc.*.roomDefaultPublicJids
If set, the MUC rooms will display the public JIDs by default.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.muc.*.roomLockTimeout
Timeout after which the room is destroyed or unlocked if not configured, in seconds

Type: signed integer

Default:

```
300
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.muc.*.roomLocking
Enables room locking, which means that a room must be configured before it can be used. Locked rooms are invisible and cannot be entered by anyone but the creator

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.muc.*.tombstoneExpiry
This settings controls how long a tombstone is considered valid. It defaults to 31 days. After this time, the room in question can be created again.

Type: signed integer

Default:

```
2678400
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.muc.*.tombstones
When a room is destroyed, it leaves behind a tombstone which prevents the room being entered or recreated. It also allows anyone who was not in the room at the time it was destroyed to learn about it, and to update their bookmarks. Tombstones prevents the case where someone could recreate a previously semi−anonymous room in order to learn the real JIDs of those who often join there.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.s2sInsecureDomains
Some servers have invalid or self−signed certificates. You can list remote domains here that will not be required to authenticate using certificates. They will be authenticated using DNS instead, even when s2s_secure_auth is enabled.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "insecure.example.com"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.s2sRequireEncryption

Force servers to use encrypted connections? This option will prevent servers from authenticating unless they are using encryption. Note that this is different from authentication.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.s2sSecureAuth

Force certificate authentication for server−to−server connections? This provides ideal security, but requires servers you communicate with to support encryption AND present valid, trusted certificates. For more information see **https://prosody.im/doc/s2s#security**

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.s2sSecureDomains

Even if you leave s2s_secure_auth disabled, you can still require valid certificates for some domains by specifying a list here.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "jabber.org"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.ssl

Paths to SSL files

Type: null or (submodule)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.ssl.cert

Path to the certificate file.

Type: absolute path

Declared by:

<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.ssl.extraOptions

Extra SSL configuration options.

Type: attribute set

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.ssl.key

Path to the key file.

Type: absolute path

Declared by:

<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.user

User account under which prosody runs.

Note

If left as the default value this user will automatically be created on system activation, otherwise you are responsible for ensuring the user exists before the prosody service starts.

Type: string

Default:

```
"prosody"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.virtualHosts

Define the virtual hosts

Type: attribute set of (submodule)

Default:

```
{
  localhost = {
    domain = "localhost";
    enabled = true;
  };
}
```

Example:

```
{
  myhost = {
    domain = "my-xmpp-example-host.org";
    enabled = true;
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.virtualHosts.<name>.enabled
Whether to enable the virtual host

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.virtualHosts.<name>.domain
Domain name

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.virtualHosts.<name>.extraConfig
Additional virtual host specific configuration

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.virtualHosts.<name>.ssl
Paths to SSL files

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.virtualHosts.<name>.ssl.cert
Path to the certificate file.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.virtualHosts.<name>.ssl.extraOptions
Extra SSL configuration options.

Type: attribute set

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.virtualHosts.<name>.ssl.key

Path to the key file.

Type: absolute path

Declared by:

<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody.xmppComplianceSuite

The XEP−0423 defines a set of recommended XEPs to implement for a server. It's generally a good idea to implement this set of extensions if you want to provide your users with a good XMPP experience.

This NixOS module aims to provide a "advanced server" experience as per defined in the XEP−0423[1] specification.

Setting this option to true will prevent you from building a NixOS configuration which won't comply with this standard. You can explicitly decide to ignore this standard if you know what you are doing by setting this option to false.

[1] https://xmpp.org/extensions/xep−0423.html

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/prosody.nix>

services.prosody−filer.enable

Whether to enable Prosody Filer XMPP upload file server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/prosody−filer.nix>

services.prosody−filer.settings

Configuration for Prosody Filer. Refer to **https://github.com/ThomasLeister/prosody−filer#configure−prosody−filer** for details on supported values.

Type: TOML value

Default:

```
{
  listenport = mkDefault "127.0.0.1:5050";
  uploadSubDir = mkDefault "upload/";
}
```

Example:

```
{
  secret = "mysecret";
  storeDir = "/srv/http/nginx/prosody−upload";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/prosody−filer.nix>

services.protonmail−bridge.enable
Whether to enable protonmail bridge.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/protonmail−bridge.nix>

services.protonmail−bridge.package
The protonmail−bridge package to use.

Type: package

Default:

```
pkgs.protonmail−bridge
```

Declared by:
<nixpkgs/nixos/modules/services/mail/protonmail−bridge.nix>

services.protonmail−bridge.logLevel
Log level of the Proton Mail Bridge service. If set to null then the service uses it’s default log level.

Type: null or one of “panic”, “fatal”, “error”, “warn”, “info”, “debug”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/mail/protonmail−bridge.nix>

services.protonmail−bridge.path
List of derivations to put in protonmail−bridge’s path.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
with pkgs; [ pass gnome−keyring ]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/protonmail−bridge.nix>

services.prowlarr.enable
Whether to enable Prowlarr, an indexer manager/proxy for Torrent trackers and Usenet indexers.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/prowlarr.nix>

services.prowlarr.package
The prowlarr package to use.

Type: package

Default:

```
pkgs.prowlarr
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/prowlarr.nix>

services.prowlarr.dataDir
The directory where Prowlarr stores its data files.

Note: A bind mount will be used to mount the directory at the expected location if a different value than '/var/lib/prowlarr' is used.

Type: string

Default:

```
"/var/lib/prowlarr"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/prowlarr.nix>

services.prowlarr.environmentFiles
Environment file to pass secret configuration values. Each line must follow the 'PROWLARR__SECTION__KEY=value' pattern. Please consult the documentation at the **wiki**.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/prowlarr.nix>

services.prowlarr.openFirewall
Open ports in the firewall for the Prowlarr web interface.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/prowlarr.nix>

services.prowlarr.settings
Attribute set of arbitrary config options. Please consult the documentation at the **wiki**.

WARNING: this configuration is stored in the world−readable Nix store! For secrets use **services.prowlarr.environmentFiles**.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Example:

```
{
  update.mechanism = "internal";
  server = {
    urlbase = "localhost";
    port = 9696;
    bindaddress = "*";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/prowlarr.nix>

services.prowlarr.settings.log.analyticsEnabled
Send Anonymous Usage Data

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/prowlarr.nix>

services.prowlarr.settings.server.port
Port Number

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9696
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/prowlarr.nix>

services.prowlarr.settings.update.automatically
Automatically download and install updates.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/prowlarr.nix>

services.prowlarr.settings.update.mechanism
which update mechanism to use

Type: null or one of “external”, “builtIn”, “script”

Default:

```
"external"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/prowlarr.nix>

services.psd.enable
Whether to enable the Profile Sync daemon.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/profile−sync−daemon.nix>

services.psd.resyncTimer
The amount of time to wait before syncing browser profiles back to the disk.

Takes a systemd.unit time span. The time unit defaults to seconds if omitted.

Type: string

Default:

```
"1h"
```

Example:

```
"1h 30min"
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/profile−sync−daemon.nix>

services.public−inbox.enable
Whether to enable the public−inbox mail archiver.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.package
The public−inbox package to use.

Type: package

Default:

```
pkgs.public−inbox
```

Declared by:
<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.http.enable
Whether to enable the public−inbox HTTP server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.http.args

Command−line arguments to pass to **public−inbox−httpd**(1).

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.http.mounts

Root paths or URLs that public−inbox will be served on. If domain parts are present, only requests to those domains will be accepted.

Type: list of string

Default:

```
[
  "/"
]
```

Example:

```
[
  "/lists/archives"
]
```

Declared by:

<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.http.port

Listening port or systemd's ListenStream= entry to be used as a reverse proxy, eg. in nginx: 'locations."/inbox".proxyPass = "http://unix:${config.services.public−inbox.http.port}:/inbox";' Set to null and use 'systemd.sockets.public−inbox−httpd.listenStreams' if you need a more advanced listening.

Type: null or string or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
80
```

Example:

```
"/run/public−inbox−httpd.sock"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.imap.enable

Whether to enable the public−inbox IMAP server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.imap.args

Command−line arguments to pass to **public−inbox−imapd**(1).

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.imap.cert

Path to TLS certificate to use for connections to **public−inbox−imapd**(1).

Type: null or string

Default:

```
null
```

Example:

```
"/path/to/fullchain.pem"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.imap.key

Path to TLS key to use for connections to **public−inbox−imapd**(1).

Type: null or string

Default:

```
null
```

Example:

```
"/path/to/key.pem"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.imap.port

Listening port. Beware that public−inbox uses well−known ports number to decide whether to enable TLS or not. Set to null and use ‘systemd.sockets.public−inbox−imapd.listenStreams’ if you need a more advanced listening.

Type: null or string or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
993
```

Declared by:

<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.inboxes

Inboxes to configure, where attribute names are inbox names.

Type: attribute set of (open submodule of attribute set of (INI atom (null, bool, int, float or string) or a list of them for duplicate keys))

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.inboxes.<name>.address
The email addresses of the public−inbox.

Type: list of string

Default:

```
[ ]
```

Example:

```
"example−discuss@example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.inboxes.<name>.coderepo
Nicknames of a ‘coderepo’ section associated with the inbox.

Type: list of coderepo names

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.inboxes.<name>.description
User−visible description for the repository.

Type: string

Example:

```
"user/dev discussion of public−inbox itself"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.inboxes.<name>.inboxdir
The absolute path to the directory which hosts the public−inbox.

Type: string

Default:

```
"/var/lib/public−inbox/inboxes/‹name›"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.inboxes.<name>.newsgroup
NNTP group name for the inbox.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.inboxes.<name>.url

URL where this inbox can be accessed over HTTP.

Type: non−empty string

Example:

```
"https://example.org/lists/example-discuss"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.inboxes.<name>.watch

Paths for **public−inbox−watch**(1) to monitor for new mail.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "maildir:/path/to/test.example.com.git"
]
```

Declared by:

<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.inboxes.<name>.watchheader

If specified, **public−inbox−watch**(1) will only process mail containing a matching header.

Type: null or string

Default:

```
null
```

Example:

```
"List-Id:<test@example.com>"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.mda.enable

Whether to enable the public−inbox Mail Delivery Agent.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.mda.args

Command−line arguments to pass to **public−inbox−mda**(1).

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.nntp.enable
Whether to enable the public−inbox NNTP server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.nntp.args
Command−line arguments to pass to **public−inbox−nntpd**(1).

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.nntp.cert
Path to TLS certificate to use for connections to **public−inbox−nntpd**(1).

Type: null or string

Default:

```
null
```

Example:

```
"/path/to/fullchain.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.nntp.key
Path to TLS key to use for connections to **public−inbox−nntpd**(1).

Type: null or string

Default:

```
null
```

Example:

```
"/path/to/key.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.nntp.port
Listening port. Beware that public−inbox uses well−known ports number to decide whether to enable TLS or not. Set to null and use ‘systemd.sockets.public−inbox−nntpd.listenStreams’ if you need a more advanced listening.

Type: null or string or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
563
```

Declared by:
<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.openFirewall
Whether to enable opening the firewall when using a port option.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.path
Additional packages to place in the path of public−inbox−mda, public−inbox−watch, etc.

Type: list of package

Default:

```
[ ]
```

Example:

```
with pkgs; [ spamassassin ]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.postfix.enable
Whether to enable the integration into Postfix.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.settings
Settings for the **public−inbox config file**.

Type: open submodule of attribute set of attribute set of (INI atom (null, bool, int, float or string) or a list of them for duplicate keys or attribute set of (INI atom (null, bool, int, float or string) or a list of them for duplicate keys))

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.settings.coderepo
code repositories

Type: attribute set of (open submodule of attribute set of (INI atom (null, bool, int, float or string) or a list of them for duplicate keys))

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.settings.coderepo.<name>.cgitUrl
URL of a cgit instance

Type: string

Declared by:
<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.settings.coderepo.<name>.dir
Path to a git repository

Type: string

Declared by:
<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.settings.publicinbox
public inboxes

Type: open submodule of attribute set of (INI atom (null, bool, int, float or string) or a list of them for duplicate keys or attribute set of (INI atom (null, bool, int, float or string) or a list of them for duplicate keys))

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.settings.publicinbox.css
The local path name of a CSS file for the PSGI web interface.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.settings.publicinbox.imapserver
IMAP URLs to this public−inbox instance

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "imap.public-inbox.org"
]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.settings.publicinbox.nntpserver
NNTP URLs to this public−inbox instance

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "nntp://news.public−inbox.org"
  "nntps://news.public−inbox.org"
]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.settings.publicinbox.pop3server
POP3 URLs to this public−inbox instance

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "pop.public−inbox.org"
]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.settings.publicinbox.wwwlisting
Controls which lists (if any) are listed for when the root public−inbox URL is accessed over HTTP.

Type: one of “all”, “404”, “match=domain”

Default:

```
"404"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.settings.publicinboxmda.spamcheck
If set to spamc, **public−inbox−watch**(1) will filter spam using SpamAssassin.

Type: one of “spamc”, “none”

Default:

```
"none"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.settings.publicinboxwatch.spamcheck

If set to spamc, **public−inbox−watch**(1) will filter spam using SpamAssassin.

Type: one of “spamc”, “none”

Default:

```
"none"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.settings.publicinboxwatch.watchspam

If set, mail in this maildir will be trained as spam and deleted from all watched inboxes

Type: null or string

Default:

```
null
```

Example:

```
"maildir:/path/to/spam"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.public−inbox.spamAssassinRules

SpamAssassin configuration specific to public−inbox.

Type: null or absolute path

Default:

```
${cfg.package.sa_config}/user/.spamassassin/user_prefs
```

Declared by:

<nixpkgs/nixos/modules/services/mail/public−inbox.nix>

services.pufferpanel.enable

Whether to enable PufferPanel game management server.

Note that **PufferPanel templates** and binaries downloaded by PufferPanel expect **FHS environment**. It is possible to set **package** option to use PufferPanel wrapper with FHS environment. For example, to use ‘Download Game from Steam’ and ‘Download Java’ template operations:

```
{ lib, pkgs, ... }: {
  services.pufferpanel = {
    enable = true;
    extraPackages = with pkgs; [ bash curl gawk gnutar gzip ];
    package = pkgs.buildFHSEnv {
      name = "pufferpanel−fhs";
      runScript = lib.getExe pkgs.pufferpanel;
      targetPkgs = pkgs': with pkgs'; [ icu openssl zlib ];
    };
  };
}
```

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/pufferpanel.nix>

services.pufferpanel.package
The pufferpanel package to use.

Type: package

Default:

```
pkgs.pufferpanel
```

Declared by:
<nixpkgs/nixos/modules/services/misc/pufferpanel.nix>

services.pufferpanel.environment
Environment variables to set for the service. Secrets should be specified using **environmentFile**.

Refer to the **PufferPanel source code** for the list of available configuration options. Variable name is an upper−cased configuration entry name with underscores instead of dots, prefixed with 'PUFFER_'. For example, 'panel.settings.companyName' entry can be set using **PUFFER_PANEL_SETTINGS_COMPANYNAME**.

When running with panel enabled (configured with 'PUFFER_PANEL_ENABLE' environment variable), it is recommended disable registration using 'PUFFER_PANEL_REGISTRATIONENABLED' environment variable (registration is enabled by default). To create the initial administrator user, run **pufferpanel −−workDir /var/lib/pufferpanel user add −−admin**.

Some options override corresponding settings set via web interface (e.g. 'PUFFER_PANEL_REGISTRATIONENABLED'). Those options can be temporarily toggled or set in settings but do not persist between restarts.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  PUFFER_WEB_HOST = ":8080";
  PUFFER_DAEMON_SFTP_HOST = ":5657";
  PUFFER_DAEMON_CONSOLE_BUFFER = "1000";
  PUFFER_DAEMON_CONSOLE_FORWARD = "true";
  PUFFER_PANEL_REGISTRATIONENABLED = "false";
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/pufferpanel.nix>

services.pufferpanel.environmentFile
File to load environment variables from. Loaded variables override values set in **environment**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/pufferpanel.nix>

services.pufferpanel.extraGroups

Additional groups for the systemd service.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "podman"
]
```

Declared by:

<nixpkgs/nixos/modules/services/misc/pufferpanel.nix>

services.pufferpanel.extraPackages

Packages to add to the PATH environment variable. Both the *bin* and *sbin* subdirectories of each package are added.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.jre ]
```

Declared by:

<nixpkgs/nixos/modules/services/misc/pufferpanel.nix>

services.pulseaudio.enable

Whether to enable the PulseAudio sound server.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/audio/pulseaudio.nix>

services.pulseaudio.package

The PulseAudio derivation to use. This can be used to enable features (such as JACK support, Bluetooth) via the ‘pulseaudioFull’ package.

Type: package

Default:

```
pkgs.pulseaudio
```

Example:

```
pkgs.pulseaudioFull
```

Declared by:

<nixpkgs/nixos/modules/services/audio/pulseaudio.nix>

services.pulseaudio.configFile

The path to the default configuration options the PulseAudio server should use. By default, the "default.pa" configuration from the PulseAudio distribution is used.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/audio/pulseaudio.nix>

services.pulseaudio.daemon.config

Config of the pulse daemon. See 'man pulse−daemon.conf'.

Type: attribute set of unspecified value

Default:

```
{ }
```

Example:

```
{ realtime−scheduling = "yes"; }
```

Declared by:

<nixpkgs/nixos/modules/services/audio/pulseaudio.nix>

services.pulseaudio.daemon.logLevel

The log level that the system−wide pulseaudio daemon should use, if activated.

Type: string

Default:

```
"notice"
```

Declared by:

<nixpkgs/nixos/modules/services/audio/pulseaudio.nix>

services.pulseaudio.extraClientConf

Extra configuration appended to pulse/client.conf file.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/audio/pulseaudio.nix>

services.pulseaudio.extraConfig

Literal string to append to 'configFile' and the config file generated by the pulseaudio module.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/audio/pulseaudio.nix>

services.pulseaudio.extraModules

Extra pulseaudio modules to use. This is intended for out−of−tree pulseaudio modules like extra bluetooth codecs.

Extra modules take precedence over built−in pulseaudio modules.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.pulseaudio-modules-bt ]
```

Declared by:

<nixpkgs/nixos/modules/services/audio/pulseaudio.nix>

services.pulseaudio.support32Bit

Whether to include the 32−bit pulseaudio libraries in the system or not. This is only useful on 64−bit systems and currently limited to x86_64−linux.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/audio/pulseaudio.nix>

services.pulseaudio.systemWide

If false, a PulseAudio server is launched automatically for each user that tries to use the sound system. The server runs with user privileges. If true, one system−wide PulseAudio server is launched on boot, running as the user “pulse”, and only users in the “pulse−access” group will have access to the server. Please read the PulseAudio documentation for more details.

Don’t enable this option unless you know what you are doing.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/audio/pulseaudio.nix>

services.pulseaudio.tcp.enable

Whether to enable tcp streaming support.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/audio/pulseaudio.nix>

services.pulseaudio.tcp.anonymousClients.allowAll

Whether to enable all anonymous clients to stream to the server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/audio/pulseaudio.nix>

services.pulseaudio.tcp.anonymousClients.allowedIpRanges

A list of IP subnets that are allowed to stream to the server.

Type: list of string

Default:

```
[ ]
```

Example:

```
[ "127.0.0.1" "192.168.1.0/24" ]
```

Declared by:

<nixpkgs/nixos/modules/services/audio/pulseaudio.nix>

services.pulseaudio.tcp.openFirewall

Whether to enable Open firewall for the specified port.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/audio/pulseaudio.nix>

services.pulseaudio.tcp.port

TCP connection port. The default ‘null’ value, means pulseaudio will try to use the default 4713 port, but if it is occupied, it will fallback to a random port.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Example:

```
4713
```

Declared by:

<nixpkgs/nixos/modules/services/audio/pulseaudio.nix>

services.pulseaudio.zeroconf.discovery.enable
Whether to enable discovery of pulseaudio sinks in the local network.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/audio/pulseaudio.nix>

services.pulseaudio.zeroconf.publish.enable
Whether to enable publishing the pulseaudio sink in the local network.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/audio/pulseaudio.nix>

services.pykms.enable
Whether to enable the PyKMS service.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/pykms.nix>

services.pykms.package
The pykms package to use.

Type: package

Default:

```
pkgs.pykms
```

Declared by:
<nixpkgs/nixos/modules/services/misc/pykms.nix>

services.pykms.extraArgs
Additional arguments

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/pykms.nix>

services.pykms.listenAddress

The IP address on which to listen.

Type: string

Default:

```
"0.0.0.0"
```

Example:

```
"::"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/pykms.nix>

services.pykms.logLevel

How much to log

Type: one of “CRITICAL”, “ERROR”, “WARNING”, “INFO”, “DEBUG”, “MININFO”

Default:

```
"INFO"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/pykms.nix>

services.pykms.memoryLimit

How much memory to use at most.

Type: string

Default:

```
"64M"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/pykms.nix>

services.pykms.openFirewallPort

Whether the listening port should be opened automatically.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/pykms.nix>

services.pykms.port

The port on which to listen.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
1688
```

Declared by:

<nixpkgs/nixos/modules/services/misc/pykms.nix>

services.pyroscope.enable

Whether to enable Pyroscope.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/pyroscope.nix>

services.pyroscope.package

The pyroscope package to use.

Type: package

Default:

```
pkgs.pyroscope
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/pyroscope.nix>

services.pyroscope.configFile

Specify a path to a configuration file that Pyroscope should use.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/pyroscope.nix>

services.pyroscope.extraFlags

Additional arguments to pass to pyroscope

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/pyroscope.nix>

services.pyroscope.openFirewall

Whether or not to open the firewall for this service

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/pyroscope.nix>

services.pyroscope.settings

Specify the configuration for Pyroscope in Nix.

See **https://grafana.com/docs/pyroscope/latest/configure-server/reference-configuration-parameters/** for available options.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/pyroscope.nix>

services.pyroscope.settings.server.http_listen_address

The server listen address

Type: string

Default:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/pyroscope.nix>

services.pyroscope.settings.server.http_listen_port

The port that Pyroscope should run on

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
4040
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/pyroscope.nix>

services.qbittorrent.enable

Whether to enable qbittorrent, BitTorrent client.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/qbittorrent.nix>

services.qbittorrent.package

The qbittorrent-nox package to use.

Type: package

Default:

```
pkgs.qbittorrent-nox
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/qbittorrent.nix>

services.qbittorrent.extraArgs

Extra arguments passed to qbittorrent. See ‘qbittorrent −h’, or the **source code**, for the available arguments.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--confirm-legal-notice"
]
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/qbittorrent.nix>

services.qbittorrent.group

Group under which qbittorrent runs.

Type: string

Default:

```
"qbittorrent"
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/qbittorrent.nix>

services.qbittorrent.openFirewall

Whether to enable opening both the webuiPort and torrentPort over TCP in the firewall.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/qbittorrent.nix>

services.qbittorrent.profileDir

the path passed to qbittorrent via −−profile.

Type: absolute path

Default:

```
"/var/lib/qBittorrent/"
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/qbittorrent.nix>

services.qbittorrent.serverConfig

Free−form settings mapped to the *qBittorrent.conf* file in the profile. Refer to **Explanation−of−Options−in−qBittorrent**. The Password_PBKDF2 format is oddly unique, you will likely want to use **this tool** to generate the format. Alternatively you can run qBittorrent independently first and use its webUI to generate the format.

Optionally an alternative webUI can be easily set. VueTorrent for example:

```
{
  Preferences = {
```

```
      WebUI = {
        AlternativeUIEnabled = true;
        RootFolder = "${pkgs.vuetorrent}/share/vuetorrent";
      };
    };
  }
  ];
```

Type: open submodule of attribute set of attribute set of anything

Default:

```
{ }
```

Example:

```
{
  LegalNotice.Accepted = true;
  Preferences = {
    WebUI = {
      Username = "user";
      Password_PBKDF2 = "generated ByteArray.";
    };
    General.Locale = "en";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/qbittorrent.nix>

services.qbittorrent.torrentingPort
the port passed to qbittorrent via '−−torrenting−port'

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/qbittorrent.nix>

services.qbittorrent.user
User account under which qbittorrent runs.

Type: string

Default:

```
"qbittorrent"
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/qbittorrent.nix>

services.qbittorrent.webuiPort
the port passed to qbittorrent via '−−webui−port'

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/qbittorrent.nix>

services.qdrant.enable
Whether to enable Vector Search Engine for the next generation of AI applications.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/search/qdrant.nix>

services.qdrant.package
The qdrant package to use.

Type: package

Default:

```
pkgs.qdrant
```

Declared by:
<nixpkgs/nixos/modules/services/search/qdrant.nix>

services.qdrant.settings
Configuration for Qdrant Refer to **https://github.com/qdrant/qdrant/blob/master/config/config.yaml** for details on supported values.

Type: YAML 1.1 value

Default:

```
{
  storage = {
    storage_path = "/var/lib/qdrant/storage";
    snapshots_path = "/var/lib/qdrant/snapshots";
  };
  hsnw_index = {
    on_disk = true;
  };
  service = {
    host = "127.0.0.1";
    http_port = 6333;
    grpc_port = 6334;
  };
  telemetry_disabled = true;
}
```

Example:

```
{
  hsnw_index = {
    on_disk = true;
  };
  service = {
    grpc_port = 6334;
    host = "127.0.0.1";
```

```
    http_port = 6333;
  };
  storage = {
    snapshots_path = "/var/lib/qdrant/snapshots";
    storage_path = "/var/lib/qdrant/storage";
  };
  telemetry_disabled = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/search/qdrant.nix>

services.qdrant.webUIPackage
The qdrant−web−ui package to use.

Type: package

Default:

```
pkgs.qdrant-web-ui
```

Declared by:
<nixpkgs/nixos/modules/services/search/qdrant.nix>

services.qemuGuest.enable
Whether to enable the qemu guest agent.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu-guest-agent.nix>

services.qemuGuest.package
The ga package to use.

Type: package

Default:

```
pkgs.qemu_kvm.ga
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu-guest-agent.nix>

services.quake3−server.enable
Whether to enable Quake 3 dedicated server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/games/quake3-server.nix>

services.quake3−server.package
The ioquake3 package to use.

Type: package

Default:

```
pkgs.ioquake3
```

Declared by:
<nixpkgs/nixos/modules/services/games/quake3−server.nix>

services.quake3−server.baseq3
Path to the baseq3 files (pak*.pk3). If this is on the nix store (type = package) all .pk3 files should be saved in the top−level directory. If this is on another filesystem (e.g /var/lib/baseq3) the .pk3 files are searched in $baseq3/.q3a/baseq3/

Type: package or absolute path

Default: Manually downloaded Quake 3 installation directory.

Example:

```
"/var/lib/q3ds"
```

Declared by:
<nixpkgs/nixos/modules/services/games/quake3−server.nix>

services.quake3−server.extraConfig
Extra configuration options. Note that options changed via RCON will not be persisted. To list all possible options, use “cvarlist 1” via RCON.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
  seta rconPassword "superSecret"      // sets RCON password for re \
mote console
  seta sv_hostname "My Quake 3 server"      // name that appears in \
 server list
```

Declared by:
<nixpkgs/nixos/modules/services/games/quake3−server.nix>

services.quake3−server.openFirewall
Open the firewall.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/games/quake3−server.nix>

services.quake3−server.port
UDP Port the server should listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
27960
```

Declared by:
<nixpkgs/nixos/modules/services/games/quake3-server.nix>

services.quassel.enable
Whether to enable the Quassel IRC client daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/quassel.nix>

services.quassel.package
The quasselDaemon package to use.

Type: package

Default:

```
pkgs.quasselDaemon
```

Declared by:
<nixpkgs/nixos/modules/services/networking/quassel.nix>

services.quassel.certificateFile
Path to the certificate used for SSL connections with clients.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/quassel.nix>

services.quassel.dataDir
The directory holding configuration files, the SQlite database and the SSL Cert.

Type: string

Default:

```
"/home/${config.services.quassel.user}/.config/quassel-irc.org"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/quassel.nix>

services.quassel.interfaces
The interfaces the Quassel daemon will be listening to. If ‘[127.0.0.1]’, only clients on the local host can connect to it; if ‘[0.0.0.0]’, clients can access it from any network interface.

Type: list of string

Default:

```
[
  "127.0.0.1"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/quassel.nix>

services.quassel.portNumber
The port number the Quassel daemon will be listening to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
4242
```

Declared by:
<nixpkgs/nixos/modules/services/networking/quassel.nix>

services.quassel.requireSSL
Require SSL for connections from clients.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/quassel.nix>

services.quassel.user
The existing user the Quassel daemon should run as. If left empty, a default “quassel” user will be created.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/quassel.nix>

services.qui.enable
Whether to enable qui.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/qui.nix>

services.qui.package
The qui package to use.

Type: package

Default:

```
pkgs.qui
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/qui.nix>

services.qui.group

Group to run qui as.

Type: string

Default:

```
"qui"
```

Example:

```
"torrents"
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/qui.nix>

services.qui.openFirewall

Whether or not to open ports in the firewall for qui.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/qui.nix>

services.qui.secretFile

Path to a file that contains the session secret. The session secret can be generated with ‘openssl rand −hex 32’.

Type: absolute path

Example:

```
"/run/secrets/qui-session.txt"
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/qui.nix>

services.qui.settings

qui configuration options.

Refer to the **template config** in the source code for the available options. The documentation contains the available **environment variables**, this can be used to get an overview.

Type: open submodule of (TOML value)

Default:

```
{ }
```

Example:

```
{
  logLevel = "DEBUG";
  metricsEnabled = true;
  port = 7777;
}
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/qui.nix>

services.qui.settings.host

The host address qui listens on.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/qui.nix>

services.qui.settings.port

The port qui listens on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
7476
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/qui.nix>

services.qui.user

User to run qui as.

Type: string

Default:

```
"qui"
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/qui.nix>

services.quicktun

QuickTun tunnels.

See **http://wiki.ucis.nl/QuickTun** for more information about available options.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/quicktun.nix>

services.quicktun.<name>.localAddress

IP address or hostname of the local end.

Type: null or string

Default:

```
null
```

Example:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/quicktun.nix>

services.quicktun.<name>.localPort

Local UDP port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
2998
```

Declared by:

<nixpkgs/nixos/modules/services/networking/quicktun.nix>

services.quicktun.<name>.privateKey

Local secret key in hexadecimal form.

Warning
This option is deprecated. Please use *services.quicktun.<name>.privateKeyFile* instead.

Note
Not needed when *services.quicktun.<name>.protocol* is set to ‘raw’.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/quicktun.nix>

services.quicktun.<name>.privateKeyFile

Path to file containing local secret key in binary or hexadecimal form.

Note
Not needed when *services.quicktun.<name>.protocol* is set to ‘raw’.

Type: null or absolute path

Default:

```
"null"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/quicktun.nix>

services.quicktun.<name>.protocol

Which protocol to use.

Type: one of “raw”, “nacl0”, “nacltai”, “salty”

Default:

```
"nacltai"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/quicktun.nix>

services.quicktun.<name>.publicKey

Remote public key in hexadecimal form.

Note
Not needed when *services.quicktun.<name>.protocol* is set to ‘raw’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/quicktun.nix>

services.quicktun.<name>.remoteAddress
IP address or hostname of the remote end (use ‘0.0.0.0’ for a floating/dynamic remote endpoint).

Type: string

Default:

```
"0.0.0.0"
```

Example:

```
"tunnel.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/quicktun.nix>

services.quicktun.<name>.remoteFloat
Whether to allow the remote address and port to change when properly encrypted packets are received.

Type: integer between 0 and 1 (both inclusive) or boolean convertible to it

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/quicktun.nix>

services.quicktun.<name>.remotePort
Remote UDP port

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
config.services.quicktun.<name>.localPort
```

Declared by:
<nixpkgs/nixos/modules/services/networking/quicktun.nix>

services.quicktun.<name>.timeWindow
Allowed time window for first received packet in seconds (positive number allows packets from history)

Type: unsigned integer, meaning >=0

Default:

```
5
```

Declared by:
<nixpkgs/nixos/modules/services/networking/quicktun.nix>

services.quicktun.<name>.tunMode
Whether to operate in tun (IP) or tap (Ethernet) mode.

Type: integer between 0 and 1 (both inclusive) or boolean convertible to it

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/quicktun.nix>

services.quicktun.<name>.upScript
Run specified command or script after the tunnel device has been opened.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/quicktun.nix>

services.quickwit.enable
Whether to enable Quickwit.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/search/quickwit.nix>

services.quickwit.package
The Quickwit package to use.

Type: package

Default:

```
pkgs.quickwit
```

Declared by:
<nixpkgs/nixos/modules/services/search/quickwit.nix>

services.quickwit.dataDir
Data directory for Quickwit. If you change this, you need to manually create the directory. You also need to create the 'quickwit' user and group, or change **services.quickwit.user** and **services.quickwit.group** to existing ones with access to the directory.

Type: absolute path

Default:

```
"/var/lib/quickwit"
```

Declared by:
<nixpkgs/nixos/modules/services/search/quickwit.nix>

services.quickwit.extraFlags
Extra command line options to pass to Quickwit.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/search/quickwit.nix>

services.quickwit.group
The group quickwit runs as. Should be left at default unless you have very specific needs.

Type: string

Default:

```
"quickwit"
```

Declared by:
<nixpkgs/nixos/modules/services/search/quickwit.nix>

services.quickwit.restartIfChanged
Automatically restart the service on config change. This can be set to false to defer restarts on a server or cluster. Please consider the security implications of inadvertently running an older version, and the possibility of unexpected behavior caused by inconsistent versions across a cluster when disabling this option.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/search/quickwit.nix>

services.quickwit.settings
Quickwit configuration.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/search/quickwit.nix>

services.quickwit.settings.grpc_listen_port
The port to listen on for gRPC traffic.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
7281
```

Declared by:
<nixpkgs/nixos/modules/services/search/quickwit.nix>

services.quickwit.settings.listen_address
Listen address of Quickwit.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/search/quickwit.nix>

services.quickwit.settings.rest

Rest server configuration for Quickwit

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/search/quickwit.nix>

services.quickwit.settings.rest.listen_port

The port to listen on for HTTP REST traffic.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
7280
```

Declared by:

<nixpkgs/nixos/modules/services/search/quickwit.nix>

services.quickwit.settings.version

Configuration file version.

Type: floating point number

Default:

```
0.7
```

Declared by:

<nixpkgs/nixos/modules/services/search/quickwit.nix>

services.quickwit.user

The user Quickwit runs as. Should be left at default unless you have very specific needs.

Type: string

Default:

```
"quickwit"
```

Declared by:

<nixpkgs/nixos/modules/services/search/quickwit.nix>

services.r53−ddns.enable

Whether to enable r53−ddyns.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/r53−ddns.nix>

services.r53−ddns.domain
The name of your domain in Route53

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/r53−ddns.nix>

services.r53−ddns.environmentFile
File containing the AWS_ACCESS_KEY_ID and AWS_SECRET_ACCESS_KEY in the format of an EnvironmentFile as described by **systemd.exec**(5)

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/r53−ddns.nix>

services.r53−ddns.hostname
Manually specify the hostname. Otherwise the tool will try to use the name returned by the OS (Call to gethostname)

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/r53−ddns.nix>

services.r53−ddns.interval
How often to update the entry

Type: string

Default:

```
"15min"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/r53−ddns.nix>

services.r53−ddns.ttl
The TTL for the generated record

Type: signed integer

Declared by:
<nixpkgs/nixos/modules/services/networking/r53−ddns.nix>

services.r53−ddns.zoneID
The ID of your zone in Route53

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/r53−ddns.nix>

services.rabbitmq.enable
Whether to enable the RabbitMQ server, an Advanced Message Queuing Protocol (AMQP) broker.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/amqp/rabbitmq.nix>

services.rabbitmq.package

The rabbitmq−server package to use.

Type: package

Default:

```
pkgs.rabbitmq−server
```

Declared by:

<nixpkgs/nixos/modules/services/amqp/rabbitmq.nix>

services.rabbitmq.config

Verbatim advanced configuration file contents using the Erlang syntax. This is also known as the *advanced.config* file or the old config format.

'configItems' is preferred whenever possible. However, nested data structures can only be expressed properly using the 'config' option.

The contents of this option will be merged into the 'configItems' by RabbitMQ at runtime to form the final configuration.

See the second table on **https://www.rabbitmq.com/configure.html#config−items** For the distinct formats, see **https://www.rabbitmq.com/configure.html#config−file−formats**

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/amqp/rabbitmq.nix>

services.rabbitmq.configItems

Configuration options in RabbitMQ's new config file format, which is a simple key−value format that can not express nested data structures. This is known as the *rabbitmq.conf* file, although outside NixOS that filename may have Erlang syntax, particularly prior to RabbitMQ 3.7.0.

If you do need to express nested data structures, you can use 'config' option. Configuration from 'config' will be merged into these options by RabbitMQ at runtime to form the final configuration.

See **https://www.rabbitmq.com/configure.html#config−items** For the distinct formats, see **https://www.rabbitmq.com/configure.html#config−file−formats**

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  "auth_backends.1.authn" = "rabbit_auth_backend_ldap";
  "auth_backends.1.authz" = "rabbit_auth_backend_internal";
}
```

Declared by:

<nixpkgs/nixos/modules/services/amqp/rabbitmq.nix>

services.rabbitmq.dataDir

Data directory for rabbitmq.

Type: absolute path

Default:

```
"/var/lib/rabbitmq"
```

Declared by:

<nixpkgs/nixos/modules/services/amqp/rabbitmq.nix>

services.rabbitmq.listenAddress

IP address on which RabbitMQ will listen for AMQP connections. Set to the empty string to listen on all interfaces. Note that RabbitMQ creates a user named ‘guest’ with password ‘guest’ by default, so you should delete this user if you intend to allow external access.

Together with ‘port’ setting it’s mostly an alias for configItems.“listeners.tcp.1” and it’s left for backwards compatibility with previous version of this module.

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/amqp/rabbitmq.nix>

services.rabbitmq.managementPlugin.enable

Whether to enable the management plugin.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/amqp/rabbitmq.nix>

services.rabbitmq.managementPlugin.port

On which port to run the management plugin

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
15672
```

Declared by:

<nixpkgs/nixos/modules/services/amqp/rabbitmq.nix>

services.rabbitmq.pluginDirs

The list of directories containing external plugins

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/amqp/rabbitmq.nix>

services.rabbitmq.plugins
The names of plugins to enable

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/amqp/rabbitmq.nix>

services.rabbitmq.port
Port on which RabbitMQ will listen for AMQP connections.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5672
```

Declared by:
<nixpkgs/nixos/modules/services/amqp/rabbitmq.nix>

services.rabbitmq.unsafeCookie
Erlang cookie is a string of arbitrary length which must be the same for several nodes to be allowed to communicate. Leave empty to generate automatically.

Setting the cookie via this option exposes the cookie to the store, which is not recommended for security reasons. Only use this option in an isolated non−production environment such as NixOS VM tests.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/amqp/rabbitmq.nix>

services.radarr.enable
Whether to enable Radarr, a UsetNet/BitTorrent movie downloader.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/radarr.nix>

services.radarr.package
The radarr package to use.

Type: package

Default:

```
pkgs.radarr
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/radarr.nix>

services.radarr.dataDir
The directory where Radarr stores its data files.

Type: string

Default:

```
"/var/lib/radarr/.config/Radarr"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/radarr.nix>

services.radarr.environmentFiles
Environment file to pass secret configuration values. Each line must follow the 'RADARR__SECTION__KEY=value' pattern. Please consult the documentation at the **wiki**.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/radarr.nix>

services.radarr.group
Group under which Radarr runs.

Type: string

Default:

```
"radarr"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/radarr.nix>

services.radarr.openFirewall
Open ports in the firewall for the Radarr web interface.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/radarr.nix>

services.radarr.settings
Attribute set of arbitrary config options. Please consult the documentation at the **wiki**.

WARNING: this configuration is stored in the world−readable Nix store! For secrets use **services.radarr.environmentFiles**.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Example:

```
{
  update.mechanism = "internal";
```

```
  server = {
    urlbase = "localhost";
    port = 7878;
    bindaddress = "*";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/radarr.nix>

services.radarr.settings.log.analyticsEnabled
Send Anonymous Usage Data

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/radarr.nix>

services.radarr.settings.server.port
Port Number

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
7878
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/radarr.nix>

services.radarr.settings.update.automatically
Automatically download and install updates.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/radarr.nix>

services.radarr.settings.update.mechanism
which update mechanism to use

Type: null or one of “external”, “builtIn”, “script”

Default:

```
"external"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/radarr.nix>

services.radarr.user
User account under which Radarr runs.

Type: string

Default:

```
"radarr"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/radarr.nix>

services.radicale.enable
Whether to enable Radicale CalDAV and CardDAV server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/radicale.nix>

services.radicale.package
Radicale package to use.

Type: package

Default:

```
pkgs.radicale
```

Declared by:
<nixpkgs/nixos/modules/services/networking/radicale.nix>

services.radicale.config
Radicale configuration, this will set the service configuration file. This option is mutually exclusive with **settings**. This option is deprecated. Use **settings** instead.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/radicale.nix>

services.radicale.extraArgs
Extra arguments passed to the Radicale daemon.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/radicale.nix>

services.radicale.rights
Configuration for Radicale's rights file. See **https://radicale.org/v3.html#authentication−and−rights**. This option only works in conjunction with **settings**. Setting this will also set **settings.rights.type** and **settings.rights.file** to appropriate values.

Type: attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string) or a non−empty list of them)

Default:

```
{ }
```

Example:

```
root = {
  user = ".+";
  collection = "";
  permissions = "R";
};
principal = {
  user = ".+";
  collection = "{user}";
  permissions = "RW";
};
calendars = {
  user = ".+";
  collection = "{user}/[^/]+";
  permissions = "rw";
};
```

Declared by:

<nixpkgs/nixos/modules/services/networking/radicale.nix>

services.radicale.settings

Configuration for Radicale. See **https://radicale.org/v3.html#configuration**. This option is mutually exclusive with **config**.

Type: attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string) or a non−empty list of them)

Default:

```
{ }
```

Example:

```
server = {
  hosts = [ "0.0.0.0:5232" "[::]:5232" ];
};
auth = {
  type = "htpasswd";
  htpasswd_filename = "/etc/radicale/users";
  htpasswd_encryption = "bcrypt";
};
storage = {
  filesystem_folder = "/var/lib/radicale/collections";
};
```

Declared by:

<nixpkgs/nixos/modules/services/networking/radicale.nix>

services.radicle.enable

Whether to enable Radicle Seed Node.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.package
The radicle−node package to use.

Type: package

Default:

```
pkgs.radicle-node
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.checkConfig
Whether to enable checking the *config.json* file resulting from **services.radicle.settings**.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.ci.adapters.native.instances
radicle−native−ci adapter instances.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/radicle/adapters/native.nix>

services.radicle.ci.adapters.native.instances.<name>.enable
Whether to enable this radicle−native−ci instance.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/radicle/adapters/native.nix>

services.radicle.ci.adapters.native.instances.<name>.package
The radicle−native−ci package to use.

Type: package

Default:

```
pkgs.radicle-native-ci
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/radicle/adapters/native.nix>

services.radicle.ci.adapters.native.instances.<name>.name
Adapter name that is used in the radicle−ci−broker configuration. Defaults to the attribute name.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/radicle/adapters/native.nix>

services.radicle.ci.adapters.native.instances.<name>.runtimePackages
Packages added to the adapter's **PATH**.

Type: list of package

Default:

```
with pkgs; [
  bash
  coreutils
  curl
  gawk
  gitMinimal
  gnused
  wget
]
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/radicle/adapters/native.nix>

services.radicle.ci.adapters.native.instances.<name>.settings
Configuration of radicle−native−ci. See **https://radicle.network/nodes/seed.radicle.dev/rad:z3qg5TKmN83afz2fj9z3fQjU8vaYE#configuration** for more information.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/radicle/adapters/native.nix>

services.radicle.ci.adapters.native.instances.<name>.settings.base_url
Base URL for build logs (mandatory for access from CI broker page).

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/radicle/adapters/native.nix>

services.radicle.ci.adapters.native.instances.<name>.settings.log
File where radicle−native−ci should write the run log.

Type: absolute path

Default:

```
"${config.services.radicle.ci.broker.logDir}/adapters/native/‹name› \
.log"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/radicle/adapters/native.nix>

services.radicle.ci.adapters.native.instances.<name>.settings.state
Directory where per−run directories are stored.

Type: absolute path

Default:

```
"${config.services.radicle.ci.broker.stateDir}/adapters/native/‹nam \
e›"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/radicle/adapters/native.nix>

services.radicle.ci.broker.enable
Whether to enable radicle−ci−broker.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/radicle/ci−broker.nix>

services.radicle.ci.broker.enableHardening
Whether to enable systemd hardening.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/radicle/ci−broker.nix>

services.radicle.ci.broker.package
The radicle−ci−broker package to use.

Type: package

Default:

```
pkgs.radicle−ci−broker
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/radicle/ci−broker.nix>

services.radicle.ci.broker.checkConfig
Whether to enable checking the *ci−broker.yaml* file resulting from **services.radicle.ci.broker.settings**.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/continuous−integration/radicle/ci−broker.nix>

services.radicle.ci.broker.logDir

Log directory of radicle−ci−broker.

Type: absolute path

Default:

```
"/var/log/radicle−ci"
```

Declared by:

<nixpkgs/nixos/modules/services/continuous−integration/radicle/ci−broker.nix>

services.radicle.ci.broker.settings

Configuration of radicle−ci−broker. See **https://radicle.network/nodes/seed.radicle.dev/rad:zwTxyg-wuz5LDGBq255RA2CbNGrz8/tree/doc/userguide.md#configuration** for more information.

Type: open submodule of (JSON value)

Default:

```
{ }
```

Example:

```
{
  adapters.native = {
    command = lib.getExe pkgs.radicle−native−ci;
    config = { };
    config_env = "RADICLE_NATIVE_CI";
    env.PATH = lib.makeBinPath (with pkgs; [ bash coreutils ]);
  };
  triggers = [
    {
      adapter = "native";
      filters = [
        {
          And = [
            { HasFile = ".radicle/native.yaml"; }
            { Node = "z6MkgEMYod7Hxfy9qCvDv5hYHkZ4ciWmLFgfvm3Wn1b2w \
2FV"; }
            {
              Or = [
                "DefaultBranch"
                "PatchCreated"
                "PatchUpdated"
              ];
            }
          ];
        }
      ];
    }
  ];
}
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/radicle/ci-broker.nix>

services.radicle.ci.broker.settings.adapters
CI adapters. See also the options under **services.radicle.ci.adapters**.

Type: attribute set of (open submodule of (JSON value))

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/radicle/ci-broker.nix>

services.radicle.ci.broker.settings.adapters.<name>.command
Adapter command to run.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/radicle/ci-broker.nix>

services.radicle.ci.broker.settings.adapters.<name>.env
Environment variables to add when running the adapter.

Type: attribute set of (JSON value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/radicle/ci-broker.nix>

services.radicle.ci.broker.settings.db
Database file path.

Type: absolute path

Default:

```
"${config.services.radicle.ci.broker.stateDir}/ci-broker.db"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/radicle/ci-broker.nix>

services.radicle.ci.broker.settings.report_dir
Directory where HTML and JSON report pages are written.

Type: null or absolute path

Default:

```
"${config.services.radicle.ci.broker.stateDir}/reports"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/radicle/ci-broker.nix>

services.radicle.ci.broker.settings.triggers
CI triggers.

Type: list of (open submodule of (JSON value))

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/radicle/ci−broker.nix>

services.radicle.ci.broker.settings.triggers.*.adapter
Adapter name.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/radicle/ci−broker.nix>

services.radicle.ci.broker.settings.triggers.*.filters
Trigger filter.

Type: list of (JSON value)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/radicle/ci−broker.nix>

services.radicle.ci.broker.stateDir
State directory of radicle−ci−broker.

Type: absolute path

Default:

```
"/var/lib/radicle−ci"
```

Declared by:
<nixpkgs/nixos/modules/services/continuous−integration/radicle/ci−broker.nix>

services.radicle.httpd.enable
Whether to enable Radicle HTTP gateway to radicle−node.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.package
The radicle−httpd package to use.

Type: package

Default:

```
pkgs.radicle−httpd
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.aliases
Alias and RID pairs to shorten git clone commands for repositories.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  heartwood = "rad:z3gqcJUoA1n9HaHKufZs5FCSGazv5";
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.extraArgs
Extra arguments for ‘radicle−httpd’

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.listenAddress
The IP address on which ‘radicle−httpd’ listens.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.listenPort
The port on which ‘radicle−httpd’ listens.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx
With this option, you can customize an nginx virtual host which already has sensible defaults for ‘radicle−httpd’. Set to ‘{}’ if you do not need any customization to the virtual host. If enabled, then by default, the **serverName** is ‘radicle−${config.networking.hostName}.${config.networking.domain}’, TLS is active, and certificates are acquired via ACME. If this is set to null (the default), no nginx virtual host will be configured.

Type: null or (submodule)

Default:

```
null
```

Example:

```
{
  serverAliases = [
    "seed.${config.networking.domain}"
  ];
  enableACME = false;
```

```
  useACMEHost = config.networking.domain;
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.enableACME
Whether to ask Let's Encrypt to sign a certificate for this vhost. Alternately, you can use an existing certificate through **useACMEHost**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.acmeFallbackHost
Host which to proxy requests to if ACME challenge is not found. Useful if you want multiple hosts to be able to verify the same domain name.

With this option, you could request certificates for the present domain with an ACME client that is running on another host, which you would specify here.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.acmeRoot
Directory for the ACME challenge, which is **public**. Don't put certs or keys in here. Set to null to inherit from config.security.acme.

Type: null or string

Default:

```
"/var/lib/acme/acme-challenge"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.addSSL
Whether to enable HTTPS in addition to plain HTTP. This will set defaults for 'listen' to listen on all interfaces on the respective default ports (80, 443).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.basicAuth
Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.basicAuthFile
Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.default
Makes this vhost the default.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.extraConfig
These lines go to the end of the vhost verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.forceSSL
Whether to add a separate nginx server block that redirects (defaults to 301, configurable with ‘redirectCode’) all plain HTTP traffic to HTTPS. This will set defaults for ‘listen’ to listen on all interfaces on the respective default ports (80, 443), where the non−SSL listens are used for the redirect vhosts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.globalRedirect

If set, all requests for this host are redirected (defaults to 301, configurable with 'redirectCode') to the given hostname.

Type: null or string

Default:

```
null
```

Example:

```
"newserver.example.org"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.http2

Whether to enable the HTTP/2 protocol. Note that (as of writing) due to nginx's implementation, to disable HTTP/2 you have to disable it on all vhosts that use a given IP address / port. If there is one server block configured to enable http2, then it is enabled for all server blocks on this IP. See **https://stackoverflow.com/a/39466948/263061**.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.http3

Whether to enable the HTTP/3 protocol. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that HTTP/3 support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/** HTTP/3 availability must be manually advertised, preferably in each location block.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.http3_hq

Whether to enable the HTTP/0.9 protocol negotiation used in QUIC interoperability tests. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that special application protocol support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.kTLS

Whether to enable kTLS support. Implementing TLS in the kernel (kTLS) improves performance by significantly reducing the need for copying operations between user space and the kernel. Required Nginx version 1.21.4 or later.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.listen

Listen addresses and ports for this virtual host. IPv6 addresses must be enclosed in square brackets. Note: this option overrides ‘addSSL’ and ‘onlySSL’.

If you only want to set the addresses manually and not the ports, take a look at ‘listenAddresses’.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    addr = "195.154.1.1";
    port = 443;
    ssl = true;
  }
  {
    addr = "192.154.1.1";
    port = 80;
  }
  {
    addr = "unix:/var/run/nginx.sock";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.listen.*.addr

Listen address.

Type: string

Declared by:

<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.listen.*.extraParameters

Extra parameters of this listen directive.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
```

```
  "backlog=1024"
  "deferred"
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.listen.*.port
Port number to listen on. If unset and the listen address is not a socket then nginx defaults to 80.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.listen.*.proxyProtocol
Enable PROXY protocol.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.listen.*.ssl
Enable SSL.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.listenAddresses
Listen addresses for this virtual host. Compared to ‘listen’ this only sets the addresses and the ports are chosen automatically.

Note: This option overrides ‘networking.enableIPv6’

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "127.0.0.1"
  "[::1]"
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.locations

Declarative location config

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "/" = {
    proxyPass = "http://localhost:3000";
  };
};
```

Declared by:

<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.locations.<name>.alias

Alias directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/alias/directory"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.locations.<name>.basicAuth

Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:

<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.locations.<name>.basicAuthFile

Basic Auth password file for a vhost. Can be created by running **nix-shell --packages apacheHttpd --run 'htpasswd -B -c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.locations.<name>.extraConfig
These lines go to the end of the location verbatim.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.locations.<name>.fastcgiParams
FastCGI parameters to override. Unlike in the Nginx configuration file, overriding only some default parameters won't unset the default values for other parameters.

Type: attribute set of (string or absolute path)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.locations.<name>.index
Adds index directive.

Type: null or string

Default:

```
null
```

Example:

```
"index.php index.html"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.locations.<name>.priority
Order of this location block in relation to the others in the vhost. The semantics are the same as with 'lib.mkOrder'. Smaller values have a greater priority.

Type: signed integer

Default:

```
1000
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.locations.<name>.proxyPass
Adds proxy_pass directive and sets recommended proxy headers if recommendedProxySettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"http://www.example.org/"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.locations.<name>.proxyWebsockets
Whether to support proxying websocket connections with HTTP/1.1.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.locations.<name>.recommendedProxySettings
Enable recommended proxy settings.

Type: boolean

Default:

```
config.services.nginx.recommendedProxySettings
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.locations.<name>.recommendedUwsgiSettings
Enable recommended uwsgi settings.

Type: boolean

Default:

```
config.services.nginx.recommendedUwsgiSettings
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.locations.<name>.return
Adds a return directive, for e.g. redirections.

Type: null or string or signed integer

Default:

```
null
```

Example:

```
"301 http://example.com$request_uri"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.locations.<name>.root
Root directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/root/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.locations.<name>.tryFiles
Adds try_files directive.

Type: null or string

Default:

```
null
```

Example:

```
"$uri =404"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.locations.<name>.uwsgiPass
Adds uwsgi_pass directive and sets recommended proxy headers if recommendedUwsgiSettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"unix:/run/example/example.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.onlySSL
Whether to enable HTTPS and reject plain HTTP connections. This will set defaults for 'listen' to listen on all interfaces on port 443.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.quic
Whether to enable the QUIC transport protocol. Note that QUIC support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.redirectCode
HTTP status used by 'globalRedirect' and 'forceSSL'. Possible usecases include temporary (302, 307) redirects, keeping the request method and body (307, 308), or explicitly resetting the method to GET (303). See **https://developer.mozilla.org/en-US/docs/Web/HTTP/Redirections**.

Type: integer between 300 and 399 (both inclusive)

Default:

```
301
```

Example:

```
308
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.rejectSSL
Whether to listen for and reject all HTTPS connections to this vhost. Useful in **default** server blocks to avoid serving the certificate for another vhost. Uses the 'ssl_reject_handshake' directive available in nginx versions 1.19.4 and above.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.reuseport
Create an individual listening socket . It is required to specify only once on one of the hosts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.root
The path of the web root directory.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/data/webserver/docs"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.serverAliases
Additional names of virtual hosts served by this virtual host configuration.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
  "example.org"
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.serverName
Name of this virtual host. Defaults to attribute name in virtualHosts.

Type: null or string

Default:

```
"radicle-\${config.networking.hostName}.\${config.networking.dom \
ain}"
```

Example:

```
"example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.sslCertificate
Path to server SSL certificate.

Type: absolute path

Example:

```
"/var/host.cert"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.sslCertificateKey
Path to server SSL certificate key.

Type: absolute path

Example:

```
"/var/host.key"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.sslTrustedCertificate
Path to root SSL certificate for stapling and client certificates.

Type: null or absolute path

Default:

```
null
```

Example:

```
"${pkgs.cacert}/etc/ssl/certs/ca-bundle.crt"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.httpd.nginx.useACMEHost
A host of an existing Let's Encrypt certificate to use. This is useful if you have many subdomains and want to avoid hitting the **rate limit**. Alternately, you can generate a certificate through **enableACME**. *Note that this option does not create any certificates, nor it does add subdomains to existing ones – you will need to create them manually using* **security.acme.certs**[2].

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

2. see the **security.acme.certs** option

services.radicle.node.extraArgs
Extra arguments for ‘radicle−node’

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.node.listenAddress
The IP address on which ‘radicle−node’ listens.

Type: string

Default:

```
"[::]"
```

Example:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.node.listenPort
The port on which ‘radicle−node’ listens.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8776
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.node.openFirewall
Whether to enable opening the firewall for ‘radicle−node’.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.privateKey
An SSH private key (as an absolute file path or Systemd credential name), usually generated by ‘rad auth’.

If set to the default value of ‘null’, radicle will import the private key from a credential named ‘xyz.radicle.node.secret’.

If configured as a credential name it will be imported via 'ImportCredential=' in the service configuration. Refer to the systemd−creds documentation for more details **https://systemd.io/CREDENTIALS/**

Type: null or absolute path or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.privateKeyPassphrase
A passphrase for an SSH private key (as a Systemd credential name), usually provided on generation of the key with 'rad auth'.

If set to the default value of 'null', radicle will optionally import the passphrase from a credential named 'xyz.radicle.node.passphrase'.

If the passphrase is not set, radicle will prompt for it.

If configured as a credential name it will be imported via 'ImportCredential=' in the service configuration. Refer to the systemd−creds documentation for more details **https://systemd.io/CREDENTIALS/**

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.publicKey
An SSH public key (as an absolute file path or directly as a string), usually generated by 'rad auth'.

Make sure to not include a comment if your key comes with a comment.

Type: absolute path or string

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radicle.settings
See **https://radicle.network/nodes/iris.radicle.network/rad:z3gqcJUoA1n9HaHKufZs5FCSGazv5/tree/radicle/src/node/config.rs#L275**

Type: open submodule of (JSON value)

Default:

```
{ }
```

Example:

```
{
  web.pinned.repositories = [
    "rad:z3gqcJUoA1n9HaHKufZs5FCSGazv5" # heartwood
    "rad:z3trNYnLWS11cJWC6BbxDs5niGo82" # rips
  ];
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/radicle.nix>

services.radvd.enable

Whether to enable the Router Advertisement Daemon (**radvd**), which provides link−local advertisements of IPv6 router addresses and prefixes using the Neighbor Discovery Protocol (NDP). This enables stateless address autoconfiguration in IPv6 clients on the network.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/radvd.nix>

services.radvd.package

The radvd package to use.

Type: package

Default:

```
pkgs.radvd
```

Declared by:

<nixpkgs/nixos/modules/services/networking/radvd.nix>

services.radvd.config

The contents of the radvd configuration file.

Type: strings concatenated with “\n”

Example:

```
interface eth0 {
  AdvSendAdvert on;
  prefix 2001:db8:1234:5678::/64 { };
};
```

Declared by:

<nixpkgs/nixos/modules/services/networking/radvd.nix>

services.radvd.debugLevel

The debugging level is an integer in the range from 1 to 5, from quiet to very verbose. A debugging level of 0 completely turns off debugging.

Type: integer between 0 and 5 (both inclusive)

Default:

Example:

```
5
```

Declared by:

<nixpkgs/nixos/modules/services/networking/radvd.nix>

services.ratbagd.enable

Whether to enable ratbagd for configuring gaming mice.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/ratbagd.nix>

services.ratbagd.package
The libratbag package to use.

Type: package

Default:

```
pkgs.libratbag
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/ratbagd.nix>

services.rathole.enable
Whether to enable Rathole.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/rathole.nix>

services.rathole.package
The rathole package to use.

Type: package

Default:

```
pkgs.rathole
```

Declared by:
<nixpkgs/nixos/modules/services/networking/rathole.nix>

services.rathole.credentialsFile
Path to a TOML file to be merged with the settings. Useful to set secret config parameters like tokens, which should not appear in the Nix Store.

Type: absolute path

Default:

```
"/dev/null"
```

Example:

```
"/var/lib/secrets/rathole/config.toml"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/rathole.nix>

services.rathole.role
Select whether rathole needs to be run as a ‘client’ or a ‘server’. Server is a machine with a public IP and client is a device behind NAT, but running some services that need to be exposed to the Internet.

Type: one of “server”, “client”

Declared by:
<nixpkgs/nixos/modules/services/networking/rathole.nix>

services.rathole.settings
Rathole configuration, for options reference see the **example** on GitHub. Both server and client configurations can be specified at the same time, regardless of the selected role.

Type: TOML value

Default:

```
{ }
```

Example:

```
{
  server = {
    bind_addr = "0.0.0.0:2333";
    services = {
      my_nas_ssh = {
        bind_addr = "0.0.0.0:5202";
        token = "use_a_secret_that_only_you_know";
      };
    };
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/rathole.nix>

services.rauc.enable
Whether to enable RAUC A/B update service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/rauc.nix>

services.rauc.package
The rauc package to use.

Type: package

Default:

```
pkgs.rauc
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/rauc.nix>

services.rauc.bootloader
The bootloader backend for RAUC.

Type: one of “barebox”, “grub”, “uboot”, “efi”, “custom”, “noop”

Example:

```
"grub"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/rauc.nix>

services.rauc.bundleFormats
Allowable formats for the RAUC bundle.

Type: list of string

Default:

```
[
  "-plain"
  "+verity"
]
```

Example:

```
[
  "-plain"
  "+verity"
]
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/rauc.nix>

services.rauc.client.enable
Whether to enable RAUC client in the system environment.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/rauc.nix>

services.rauc.compatible
The compatibility string for this system. Can be any format so long as you are consistent.

Type: string

Example:

```
"nix/appliance/foo"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/rauc.nix>

services.rauc.dataDir
The state directory for RAUC.

Type: absolute path

Default:

```
"/var/lib/rauc"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/rauc.nix>

services.rauc.mark−good.enable

Whether to enable RAUC Good−marking service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/rauc.nix>

services.rauc.settings

Rauc configuration that will be converted to INI. Refer to: **https://rauc.readthedocs.io/en/latest/reference.html#sec−ref−slot−config** for details on supported values.

All module−specific options override these.

Type: attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/rauc.nix>

services.rauc.slots

RAUC slot definitions. Every key is a slot class and every value is a list of slot indexes.

Type: attribute set of list of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/rauc.nix>

services.rauc.slots.<name>.*.enable

Whether to enable this RAUC slot.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/rauc.nix>

services.rauc.slots.<name>.*.device

The device to update.

Type: string

Declared by:

<nixpkgs/nixos/modules/services/hardware/rauc.nix>

services.rauc.slots.<name>.*.settings

Settings for this slot.

Type: attribute set

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/rauc.nix>

services.rauc.slots.<name>.*.type

The type of the device.

Type: one of “raw”, “nand”, “nor”, “ubivol”, “ubifs”, “ext4”, “vfat”

Default:

```
"raw"
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/rauc.nix>

services.rdnssd.enable

Whether to enable the RDNSS daemon (**rdnssd**), which configures DNS servers in */etc/resolv.conf* from RDNSS advertisements sent by IPv6 routers.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/rdnssd.nix>

services.reaction.enable

Whether to enable enable reaction.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/security/reaction.nix>

services.reaction.package

The reaction package to use.

Type: package

Default:

```
pkgs.reaction
```

Declared by:

<nixpkgs/nixos/modules/services/security/reaction.nix>

services.reaction.checkConfig

Check the syntax of the configuration files at build time

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/security/reaction.nix>

services.reaction.loglevel

reaction's loglevel. One of DEBUG, INFO, WARN, ERROR.

Type: null or one of "DEBUG", "INFO", "WARN", "ERROR"

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/reaction.nix>

services.reaction.runAsRoot

Whether to run reaction as root. Defaults to false, where an unprivileged reaction user is created.

Be sure to give it sufficient permissions. Example config permitting 'iptables' and 'journalctl' use

```
{
  # allows reading journal logs of processess
  users.users.reaction.extraGroups = [ "systemd-journal" ];
  # allows modifying ip firewall rules
  systemd.services.reaction.unitConfig.ConditionCapability = "CAP_N \
ET_ADMIN";
  systemd.services.reaction.serviceConfig = {
    CapabilityBoundingSet = [ "CAP_NET_ADMIN" ];
    AmbientCapabilities = [ "CAP_NET_ADMIN" ];
  };
  # optional, if more control over ssh logs is needed
  services.openssh.settings.LogLevel = lib.mkDefault "VERBOSE";
}
```

```
# core ipset plugin requires these if running as non-root
systemd.services.reaction.serviceConfig = {
  CapabilityBoundingSet = [
    "CAP_NET_ADMIN"
    "CAP_NET_RAW"
    "CAP_DAC_READ_SEARCH" # for journalctl
  ];
  AmbientCapabilities = [
    "CAP_NET_ADMIN"
    "CAP_NET_RAW"
    "CAP_DAC_READ_SEARCH"
  ];
};
```

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/reaction.nix>

services.reaction.settings
Configuration for reaction. See the **wiki**.

The settings are written as a YAML file.

Can be used in combination with ‘settingsFiles’ option, both will be present in the configuration directory.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/security/reaction.nix>

services.reaction.settings.plugins
Nixpkgs provides a ‘reaction−plugins’ package set which includes both offical and community plugins for reaction.

To use the plugins in your module configuration, in ‘settings.plugins’ you can use for e.g. ‘${lib.getExe reaction−plugins.reaction−plugin−ipset}’ See https://reaction.ppom.me/plugins/ to configure plugins.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/security/reaction.nix>

services.reaction.settings.plugins.<name>.enable
enable reaction−plugin−‹name›

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/reaction.nix>

services.reaction.settings.plugins.<name>.check_root
Whether reaction must check that the executable is owned by root

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/reaction.nix>

services.reaction.settings.plugins.<name>.path
path to the plugin binary

Type: string

Default:

```
${cfg.package.plugins."reaction−plugin−‹name›"}/bin/reaction−plu \
gin−‹name›
```

Declared by:
<nixpkgs/nixos/modules/services/security/reaction.nix>

services.reaction.settings.plugins.<name>.systemd
Whether reaction must isolate the plugin using systemd's run0

Type: boolean

Default:

```
"config.services.reaction.runAsRoot"
```

Declared by:
<nixpkgs/nixos/modules/services/security/reaction.nix>

services.reaction.settings.plugins.<name>.systemd_options
A key−value map of systemd options. Keys must be strings and values must be string arrays.

See 'man systemd.directives' for all supported options, and particularly options in 'man systemd.exec'

Type: attribute set of list of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/security/reaction.nix>

services.reaction.settingsFiles
Configuration for reaction, see the **wiki**.

reaction supports JSON, YAML and JSONnet. For those who prefer to take advantage of JSONnet rather than Nix.

Can be used in combination with 'settings' option, both will be present in the configuration directory.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/security/reaction.nix>

services.reaction.stopForFirewall
Whether to stop reaction when reloading the firewall.

The presence of a reaction chain in the INPUT table may cause the firewall reload to fail. One can alternatively cherry−pick the right iptables commands to execute before and after the firewall

```
{
  systemd.services.firewall.serviceConfig = {
    ExecStopPre = [ "${pkgs.iptables}/bin/iptables −w −D INPUT − \
p all −j reaction" ];
    ExecStartPost = [ "${pkgs.iptables}/bin/iptables −w −I INPUT  \
−p all −j reaction" ];
  };
}
```

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/reaction.nix>

services.readarr.enable
Whether to enable Readarr, a Usenet/BitTorrent ebook downloader.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/readarr.nix>

services.readarr.package
The readarr package to use.

Type: package

Default:

```
pkgs.readarr
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/readarr.nix>

services.readarr.dataDir
The directory where Readarr stores its data files.

Type: string

Default:

```
"/var/lib/readarr/"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/readarr.nix>

services.readarr.environmentFiles
Environment file to pass secret configuration values. Each line must follow the 'READARR__SECTION__KEY=value' pattern. Please consult the documentation at the **wiki**.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/readarr.nix>

services.readarr.group
Group under which Readarr runs.

Type: string

Default:

```
"readarr"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/readarr.nix>

services.readarr.openFirewall

Open ports in the firewall for Readarr

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/servarr/readarr.nix>

services.readarr.settings

Attribute set of arbitrary config options. Please consult the documentation at the **wiki**.

WARNING: this configuration is stored in the world−readable Nix store! For secrets use **services.readarr.environmentFiles**.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Example:

```
{
  update.mechanism = "internal";
  server = {
    urlbase = "localhost";
    port = 8787;
    bindaddress = "*";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/misc/servarr/readarr.nix>

services.readarr.settings.log.analyticsEnabled

Send Anonymous Usage Data

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/servarr/readarr.nix>

services.readarr.settings.server.port

Port Number

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8787
```

Declared by:

<nixpkgs/nixos/modules/services/misc/servarr/readarr.nix>

services.readarr.settings.update.automatically
Automatically download and install updates.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/readarr.nix>

services.readarr.settings.update.mechanism
which update mechanism to use

Type: null or one of “external”, “builtIn”, “script”

Default:

```
"external"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/readarr.nix>

services.readarr.user
User account under which Readarr runs.

Type: string

Default:

```
"readarr"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/readarr.nix>

services.readeck.enable
Whether to enable Readeck.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/readeck.nix>

services.readeck.package
The readeck package to use.

Type: package

Default:

```
pkgs.readeck
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/readeck.nix>

services.readeck.environmentFile

File containing environment variables to be passed to Readeck. May be used to provide the Readeck secret key by setting the READECK_SECRET_KEY variable.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/readeck.nix>

services.readeck.settings

Additional configuration for Readeck, see **https://readeck.org/en/docs/configuration** for supported values.

Type: TOML value

Default:

```
{ }
```

Example:

```
{
  main = {
    log_level = "debug";
  };
  server = {
    port = 9000;
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/readeck.nix>

services.realm.enable

Whether to enable A simple, high performance relay server written in rust.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/realm.nix>

services.realm.package

The realm package to use.

Type: package

Default:

```
pkgs.realm
```

Declared by:

<nixpkgs/nixos/modules/services/networking/realm.nix>

services.realm.config

The realm configuration, see **https://github.com/zhboner/realm#overview** for documentation.

Type: open submodule of (JSON value)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/realm.nix>

services.realmd.enable

Whether to enable realmd service for managing system enrollment in Active Directory domains.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/realmd.nix>

services.realmd.package

The realmd package to use.

Type: package

Default:

```
pkgs.realmd
```

Declared by:

<nixpkgs/nixos/modules/services/misc/realmd.nix>

services.rebuilderd.enable

Whether to enable rebuilderd service for independent verification of binary packages.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/rebuilderd.nix>

services.rebuilderd.package

The rebuilderd package to use.

Type: package

Default:

```
pkgs.rebuilderd
```

Declared by:

<nixpkgs/nixos/modules/services/misc/rebuilderd.nix>

services.rebuilderd.settings

Configuration for rebuilderd (rebuilderd.conf)

Type: open submodule of (TOML value)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/misc/rebuilderd.nix>

services.recyclarr.enable

Whether to enable recyclarr service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/recyclarr.nix>

services.recyclarr.package

The recyclarr package to use.

Type: package

Default:

```
pkgs.recyclarr
```

Declared by:

<nixpkgs/nixos/modules/services/misc/recyclarr.nix>

services.recyclarr.command

The recyclarr command to run (e.g., sync).

Type: string

Default:

```
"sync"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/recyclarr.nix>

services.recyclarr.configuration

Recyclarr YAML configuration as a Nix attribute set.

For detailed configuration options and examples, see the **official configuration reference**.

The configuration is processed using **utils.genJqSecretsReplacement** to handle secret substitution.

Type: YAML 1.1 value

Default:

```
{ }
```

Example:

```
{
  radarr = {
    radarr-main = {
```

```
            api_key = {
              _secret = "/run/credentials/recyclarr.service/radarr-api_k \
        ey";
            };
            base_url = "http://localhost:7878";
            instance_name = "main";
          };
        };
        sonarr = {
          sonarr-main = {
            api_key = {
              _secret = "/run/credentials/recyclarr.service/sonarr-api_k \
        ey";
            };
            base_url = "http://localhost:8989";
            instance_name = "main";
          };
        };
        }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/recyclarr.nix>

services.recyclarr.group
Group under which recyclarr runs.

Type: string

Default:

```
"recyclarr"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/recyclarr.nix>

services.recyclarr.schedule
When to run recyclarr in systemd calendar format.

Type: string

Default:

```
"daily"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/recyclarr.nix>

services.recyclarr.user
User account under which recyclarr runs.

Type: string

Default:

```
"recyclarr"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/recyclarr.nix>

services.redis.package

The redis package to use.

Type: package

Default:

```
pkgs.redis
```

Declared by:

<nixpkgs/nixos/modules/services/databases/redis.nix>

services.redis.servers

Configuration of multiple ‘redis−server’ instances.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/databases/redis.nix>

services.redis.servers.<name>.enable

Whether to enable Redis server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/databases/redis.nix>

services.redis.servers.<name>.appendFsync

How often to fsync the append−only log, options: no, always, everysec.

Type: string

Default:

```
"everysec"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/redis.nix>

services.redis.servers.<name>.appendOnly

By default data is only periodically persisted to disk, enable this option to use an append−only file for improved persistence.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/databases/redis.nix>

services.redis.servers.<name>.bind

The IP interface to bind to. ‘null’ means “all interfaces”.

Type: null or string

Default:

```
"127.0.0.1"
```

Example:

```
"192.0.2.1"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/redis.nix>

services.redis.servers.<name>.databases

Set the number of databases.

Type: signed integer

Default:

```
16
```

Declared by:

<nixpkgs/nixos/modules/services/databases/redis.nix>

services.redis.servers.<name>.extraParams

Extra parameters to append to redis−server invocation

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--sentinel"
]
```

Declared by:

<nixpkgs/nixos/modules/services/databases/redis.nix>

services.redis.servers.<name>.group

Group account under which this instance of redis−server runs.

Note

If left as the default value this group will automatically be created on system activation, otherwise you are responsible for ensuring the group exists before the redis service starts.

Type: string

Default:

```
config.user
```

Declared by:

<nixpkgs/nixos/modules/services/databases/redis.nix>

services.redis.servers.<name>.logLevel

Specify the server verbosity level, options: debug, verbose, notice, warning.

Type: string

Default:

```
"notice"
```

Example:

```
"debug"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/redis.nix>

services.redis.servers.<name>.logfile
Specify the log file name. Also ‘stdout’ can be used to force Redis to log on the standard output.

Type: string

Default:

```
"/dev/null"
```

Example:

```
"/var/log/redis.log"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/redis.nix>

services.redis.servers.<name>.masterAuth
If the master is password protected (using the requirePass configuration) it is possible to tell the slave to authenticate before starting the replication synchronization process, otherwise the master will refuse the slave request. (STORED PLAIN TEXT, WORLD−READABLE IN NIX STORE)

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/databases/redis.nix>

services.redis.servers.<name>.masterAuthFile
File with password for the master user.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/redis−master−password"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/redis.nix>

services.redis.servers.<name>.masterUser
If the master is password protected via ACLs this option can be used to specify the Redis user that is used by replicas.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/databases/redis.nix>

services.redis.servers.<name>.maxclients

Set the max number of connected clients at the same time.

Type: signed integer

Default:

```
10000
```

Declared by:

<nixpkgs/nixos/modules/services/databases/redis.nix>

services.redis.servers.<name>.openFirewall

Whether to open ports in the firewall for the server.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/databases/redis.nix>

services.redis.servers.<name>.port

The TCP port to accept connections. If port 0 is specified Redis will not listen on a TCP socket.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
if name == "" then 6379 else 0
```

Declared by:

<nixpkgs/nixos/modules/services/databases/redis.nix>

services.redis.servers.<name>.requirePass

Password for database (STORED PLAIN TEXT, WORLD−READABLE IN NIX STORE). Use requirePassFile to store it outside of the nix store in a dedicated file.

Type: null or string

Default:

```
null
```

Example:

```
"letmein!"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/redis.nix>

services.redis.servers.<name>.requirePassFile

File with password for the database.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/redis−password"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/redis.nix>

services.redis.servers.<name>.save

The schedule in which data is persisted to disk, represented as a list of lists where the first element represent the amount of seconds and the second the number of changes.

If set to the empty list (‘[]’) then RDB persistence will be disabled (useful if you are using AOF or don’t want any persistence).

Type: list of list of signed integer

Default:

```
[
  [
    900
    1
  ]
  [
    300
    10
  ]
  [
    60
    10000
  ]
]
```

Declared by:

<nixpkgs/nixos/modules/services/databases/redis.nix>

services.redis.servers.<name>.sentinelAuthPassFile

File with password for connecting to other Sentinel instances.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/sentinel-password"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/redis.nix>

services.redis.servers.<name>.sentinelAuthUser

The username to use to monitor a master from Sentinel.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/databases/redis.nix>

services.redis.servers.<name>.sentinelMasterHost

The IP address (recommended) or hostname of the Redis master that Sentinel will monitor.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/databases/redis.nix>

services.redis.servers.<name>.sentinelMasterName
The master name of the Redis master that Sentinel will monitor.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/databases/redis.nix>

services.redis.servers.<name>.sentinelMasterPort
The TCP port of the Redis master that Sentinel will monitor.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/databases/redis.nix>

services.redis.servers.<name>.sentinelMasterQuorum
The Sentinel quorum (minimum number of Sentinel nodes online for failover)

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/databases/redis.nix>

services.redis.servers.<name>.settings
Redis configuration. Refer to **https://redis.io/topics/config** for details on supported values.

Type: attribute set of (boolean or signed integer or string or list of string)

Default:

```
{ }
```

Example:

```
{
  loadmodule = [ "/path/to/my_module.so" "/path/to/other_module.so" \
 ];
}
```

Declared by:
<nixpkgs/nixos/modules/services/databases/redis.nix>

services.redis.servers.<name>.slaveOf
IP and port to which this redis instance acts as a slave.

Type: null or (submodule)

Default:

```
null
```

Example:

```
{
```

```
  ip = "192.168.1.100";
  port = 6379;
}
```

Declared by:
<nixpkgs/nixos/modules/services/databases/redis.nix>

services.redis.servers.<name>.slaveOf.ip
IP of the Redis master

Type: string

Example:

```
"192.168.1.100"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/redis.nix>

services.redis.servers.<name>.slaveOf.port
port of the Redis master

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
6379
```

Declared by:
<nixpkgs/nixos/modules/services/databases/redis.nix>

services.redis.servers.<name>.slowLogLogSlowerThan
Log queries whose execution take longer than X in milliseconds.

Type: signed integer

Default:

```
10000
```

Example:

```
1000
```

Declared by:
<nixpkgs/nixos/modules/services/databases/redis.nix>

services.redis.servers.<name>.slowLogMaxLen
Maximum number of items to keep in slow log.

Type: signed integer

Default:

```
128
```

Declared by:
<nixpkgs/nixos/modules/services/databases/redis.nix>

services.redis.servers.<name>.syslog
Enable logging to the system logger.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/databases/redis.nix>

services.redis.servers.<name>.unixSocket
The path to the socket to bind to.

Type: null or absolute path

Default:

```
if name == "" then "/run/redis/redis.sock" else "/run/redis-${name \
}/redis.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/redis.nix>

services.redis.servers.<name>.unixSocketPerm
Change permissions for the socket

Type: signed integer

Default:

```
660
```

Example:

```
600
```

Declared by:
<nixpkgs/nixos/modules/services/databases/redis.nix>

services.redis.servers.<name>.user
User account under which this instance of redis-server runs.

Note
If left as the default value this user will automatically be created on system activation, otherwise you are responsible for ensuring the user exists before the redis service starts.

Type: string

Default:

```
if name == "" then "redis" else "redis-${name}"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/redis.nix>

services.redis.vmOverCommit
Whether to enable set 'vm.overcommit_memory' sysctl to 1 (Suggested for Background Saving: **https://redis.io/docs/get-started/faq/**) .

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/databases/redis.nix>

services.redlib.enable

Whether to enable Private front−end for Reddit.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/redlib.nix>

services.redlib.package

The redlib package to use.

Type: package

Default:

```
pkgs.redlib
```

Declared by:

<nixpkgs/nixos/modules/services/misc/redlib.nix>

services.redlib.address

The address to listen on

Type: string

Default:

```
"0.0.0.0"
```

Example:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/redlib.nix>

services.redlib.openFirewall

Open ports in the firewall for the redlib web interface

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/redlib.nix>

services.redlib.port

The port to listen on

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Example:

```
8000
```

Declared by:
<nixpkgs/nixos/modules/services/misc/redlib.nix>

services.redlib.settings
See **GitHub** for available settings.

Type: open submodule of attribute set of (null or boolean or signed integer or string)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/redlib.nix>

services.redmine.enable
Whether to enable Redmine, a project management web application.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/redmine.nix>

services.redmine.package
The redmine package to use.

Type: package

Default:

```
pkgs.redmine
```

Example:

```
redmine.override { ruby = pkgs.ruby_3_3; }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/redmine.nix>

services.redmine.address
IP address Redmine should bind to.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/redmine.nix>

services.redmine.components.breezy
Whether to enable bazaar integration…

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/redmine.nix>

services.redmine.components.cvs
Whether to enable cvs integration…

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/redmine.nix>

services.redmine.components.ghostscript
Whether to enable exporting Gant diagrams as PDF…

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/redmine.nix>

services.redmine.components.git
Whether to enable git integration…

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/redmine.nix>

services.redmine.components.imagemagick
Whether to enable exporting Gant diagrams as PNG…

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/redmine.nix>

services.redmine.components.mercurial
Whether to enable Mercurial integration…

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/redmine.nix>

services.redmine.components.minimagick_font_path
MiniMagick font path

Type: string

Default:

```
""
```

Example:

```
"/run/current-system/sw/share/X11/fonts/LiberationSans-Regular.tt \
f"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/redmine.nix>

services.redmine.components.subversion
Whether to enable Subversion integration…

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/redmine.nix>

services.redmine.database.createLocally
Create the database and database user locally.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/redmine.nix>

services.redmine.database.host
Database host address.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/redmine.nix>

services.redmine.database.name
Database name.

Type: string

Default:

```
"redmine"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/redmine.nix>

services.redmine.database.passwordFile
A file containing the password corresponding to **database.user**.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/redmine-dbpassword"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/redmine.nix>

services.redmine.database.port
Database host port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3306
```

Declared by:
<nixpkgs/nixos/modules/services/misc/redmine.nix>

services.redmine.database.socket
Path to the unix socket file to use for authentication.

Type: null or absolute path

Default:

```
/run/mysqld/mysqld.sock
```

Example:

```
"/run/mysqld/mysqld.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/redmine.nix>

services.redmine.database.type
Database engine to use.

Type: one of “mysql2”, “postgresql”, “sqlite3”

Default:

```
"mysql2"
```

Example:

```
"postgresql"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/redmine.nix>

services.redmine.database.user
Database user.

Type: string

Default:

```
"redmine"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/redmine.nix>

services.redmine.extraEnv
Extra configuration in additional_environment.rb.

See **https://svn.redmine.org/redmine/trunk/config/additional_environment.rb.example** for details.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
  config.logger.level = Logger::DEBUG
```

Declared by:
<nixpkgs/nixos/modules/services/misc/redmine.nix>

services.redmine.group
Group under which Redmine is ran.

Type: string

Default:

```
"redmine"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/redmine.nix>

services.redmine.plugins
Set of plugins.

Type: attribute set of absolute path

Default:

```
{ }
```

Example:

```
{
  redmine_env_auth = builtins.fetchurl {
    url = "https://github.com/Intera/redmine_env_auth/archive/0.6.z \
ip";
    sha256 = "0yyr1yjd8gvvh832wdc8m3xfnhhxzk2pk3gm2psg5w9jdvd6skak" \
;
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/redmine.nix>

services.redmine.port
Port on which Redmine is ran.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Declared by:
<nixpkgs/nixos/modules/services/misc/redmine.nix>

services.redmine.settings
Redmine configuration (*configuration.yml*). Refer to **https://guides.rubyonrails.org/action_mailer_basics.html#action-mailer-configuration** for details.

Type: YAML 1.1 value

Default:

```
{ }
```

Example:

```
{
  email_delivery = {
    delivery_method = "smtp";
    smtp_settings = {
      address = "mail.example.com";
      port = 25;
    };
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/redmine.nix>

services.redmine.stateDir
The state directory, logs and plugins are stored here.

Type: absolute path

Default:

```
"/var/lib/redmine"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/redmine.nix>

services.redmine.themes
Set of themes.

Type: attribute set of absolute path

Default:

```
{ }
```

Example:

```
{
  dkuk-redmine_alex_skin = builtins.fetchurl {
    url = "https://bitbucket.org/dkuk/redmine_alex_skin/get/1842ef6 \
75ef3.zip";
```

```
    sha256 = "0hrin9lzyi50k4w2bd2b30vrf1i4fi1c0gyas5801wn8i7kpm9yl" \
;
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/redmine.nix>

services.redmine.user
User under which Redmine is ran.

Type: string

Default:

```
"redmine"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/redmine.nix>

services.redshift.enable
Enable Redshift to change your screen’s colour temperature depending on the time of day.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/x11/redshift.nix>

services.redshift.package
The redshift package to use.

Type: package

Default:

```
pkgs.redshift
```

Declared by:
<nixpkgs/nixos/modules/services/x11/redshift.nix>

services.redshift.brightness.day
Screen brightness to apply during the day, between ‘0.1’ and ‘1.0’.

Type: string

Default:

```
"1"
```

Declared by:
<nixpkgs/nixos/modules/services/x11/redshift.nix>

services.redshift.brightness.night
Screen brightness to apply during the night, between ‘0.1’ and ‘1.0’.

Type: string

Default:

```
"1"
```

Declared by:
<nixpkgs/nixos/modules/services/x11/redshift.nix>

services.redshift.executable

Redshift executable to use within the package.

Type: string

Default:

```
"/bin/redshift"
```

Example:

```
"/bin/redshift-gtk"
```

Declared by:

<nixpkgs/nixos/modules/services/x11/redshift.nix>

services.redshift.extraOptions

Additional command−line arguments to pass to **redshift**.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-v"
  "-m randr"
]
```

Declared by:

<nixpkgs/nixos/modules/services/x11/redshift.nix>

services.redshift.temperature.day

Colour temperature to use during the day, between ‘1000’ and ‘25000’ K.

Type: integer between 1000 and 25000 (both inclusive)

Default:

```
5500
```

Declared by:

<nixpkgs/nixos/modules/services/x11/redshift.nix>

services.redshift.temperature.night

Colour temperature to use at night, between ‘1000’ and ‘25000’ K.

Type: integer between 1000 and 25000 (both inclusive)

Default:

```
3700
```

Declared by:

<nixpkgs/nixos/modules/services/x11/redshift.nix>

services.redsocks.enable

Whether to enable redsocks.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/redsocks.nix>

services.redsocks.chroot
Chroot under which to run redsocks. Log file is opened before chroot, but if logging to syslog /etc/localtime may be required.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/redsocks.nix>

services.redsocks.log
Where to send logs.

Possible values are:

- stderr
- file:/path/to/file
- syslog:FACILITY where FACILITY is any of “daemon”, “local0”, etc.

Type: string

Default:

```
"stderr"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/redsocks.nix>

services.redsocks.log_debug
Log connection progress.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/redsocks.nix>

services.redsocks.log_info
Log start and end of client sessions.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/redsocks.nix>

services.redsocks.redsocks
Local port to proxy associations to be performed.

The example shows how to configure a proxy to handle port 80 as HTTP relay, and all other ports as HTTP connect.

Type: list of (submodule)

Example:

```
[
```

```
{
  doNotRedirect = [
    "-d 1.2.0.0/16"
  ];
  port = 23456;
  proxy = "1.2.3.4:8080";
  redirectCondition = "--dport 80";
  type = "http-relay";
}
{
  doNotRedirect = [
    "-d 1.2.0.0/16"
  ];
  port = 23457;
  proxy = "1.2.3.4:8080";
  redirectCondition = true;
  type = "http-connect";
}
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/redsocks.nix>

services.redsocks.redsocks.*.disclose_src

Way to disclose client IP to the proxy.

- "false": do not disclose

http-connect supports the following ways:

- "X-Forwarded-For": add header "X-Forwarded-For: IP"
- "Forwarded_ip": add header "Forwarded: for=IP" (see RFC7239)
- "Forwarded_ipport": add header 'Forwarded: for="IP:port"'

Type: one of "false", "X-Forwarded-For", "Forwarded_ip", "Forwarded_ipport"

Default:

```
"false"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/redsocks.nix>

services.redsocks.redsocks.*.doNotRedirect

Iptables filters that if matched will get the packet off of redsocks.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-d 1.2.3.4"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/redsocks.nix>

services.redsocks.redsocks.*.ip

IP on which redsocks should listen. Defaults to 127.0.0.1 for security reasons.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/redsocks.nix>

services.redsocks.redsocks.*.login

Login to send to proxy.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/redsocks.nix>

services.redsocks.redsocks.*.password

Password to send to proxy. WARNING, this will end up world−readable in the store! Awaiting https://github.com/NixOS/nix/issues/8 to be able to fix.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/redsocks.nix>

services.redsocks.redsocks.*.port

Port on which redsocks should listen.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
12345
```

Declared by:

<nixpkgs/nixos/modules/services/networking/redsocks.nix>

services.redsocks.redsocks.*.proxy

Proxy through which redsocks should forward incoming traffic. Example: “example.org:8080”

Type: string

Declared by:

<nixpkgs/nixos/modules/services/networking/redsocks.nix>

services.redsocks.redsocks.*.redirectCondition

Conditions to make outbound packets go through this redsocks instance.

If set to false, no packet will be forwarded. If set to true, all packets will be forwarded (except packets excluded by redirectInternetOnly).

If set to a string, this is an iptables filter that will be matched against packets before getting them into redsocks. For example, setting it to “–dport 80” will only send packets to port 80 to redsocks. Note “−p tcp” is always implicitly added, as udp can only be proxied through redudp or the like.

Type: boolean or string

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/redsocks.nix>

services.redsocks.redsocks.*.redirectInternetOnly
Exclude all non−globally−routable IPs from redsocks

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/redsocks.nix>

services.redsocks.redsocks.*.type
Type of proxy.

Type: one of “socks4”, “socks5”, “http−connect”, “http−relay”

Declared by:
<nixpkgs/nixos/modules/services/networking/redsocks.nix>

services.remark42.enable
Whether to enable Remark42 commenting server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/remark42.nix>

services.remark42.package
The remark42 package to use.

Type: package

Default:

```
pkgs.remark42
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/remark42.nix>

services.remark42.dataDir
Working directory for Remark42. Data files are stored here and automatic backups will be created in this directory by default.

Type: absolute path

Default:

```
"/var/lib/remark42"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/remark42.nix>

services.remark42.environmentFile

Optional environment file in systemd ‘EnvironmentFile=’ format. Use this for secrets to avoid storing them in the Nix store.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/remark42.env"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/remark42.nix>

services.remark42.listenAddress

Bind address (‘REMARK_ADDRESS’).

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/remark42.nix>

services.remark42.openFirewall

Whether to open the firewall for ‘port’.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/remark42.nix>

services.remark42.port

Listen port (‘REMARK_PORT’).

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/remark42.nix>

services.remark42.remarkUrl

Public URL of this Remark42 instance. This is passed to the backend as ‘REMARK_URL’ and should match the frontend embed config ‘host’.

Type: string

Example:

```
"https://comments.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/remark42.nix>

services.remark42.settings
Extra environment variables passed to Remark42.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  AUTH_ANON = "true";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/remark42.nix>

services.remark42.sites
Site IDs served by this instance (passed as ‘SITE’, comma−separated). The frontend embed config ‘site_id’ must match one of these values.

Type: list of string

Default:

```
[
  "remark"
]
```

Example:

```
[
  "blog"
  "docs"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/remark42.nix>

services.renovate.enable
Whether to enable renovate.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/renovate.nix>

services.renovate.package
The renovate package to use.

Type: package

Default:

```
pkgs.renovate
```

Declared by:
<nixpkgs/nixos/modules/services/misc/renovate.nix>

services.renovate.credentials
Allows configuring environment variable credentials for renovate, read from files. This should always be used for passing confidential data to renovate.

Type: attribute set of absolute path

Default:

```
{ }
```

Example:

```
{
  RENOVATE_TOKEN = "/etc/renovate/token";
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/renovate.nix>

services.renovate.environment
Extra environment variables to export to the Renovate process from the systemd unit configuration.

See **https://docs.renovatebot.com/config-overview** for available environment variables.

Type: attribute set of (null or string or absolute path or package)

Default:

```
{ }
```

Example:

```
{
  LOG_LEVEL = "debug";
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/renovate.nix>

services.renovate.runtimePackages
Packages available to renovate.

Type: list of package

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/renovate.nix>

services.renovate.schedule
How often to run renovate. See **systemd.time**(7) for the format.

Type: null or string

Default:

```
null
```

Example:

```
"*:0/10"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/renovate.nix>

services.renovate.settings
Renovate's global configuration. If you want to pass secrets to renovate, please use **services.renovate.credentials** for that.

See **https://docs.renovatebot.com/config-overview** for available settings.

Type: JSON value

Default:

```
{ }
```

Example:

```
{
  endpoint = "https://git.example.com";
  gitAuthor = "Renovate <renovate@example.com>";
  platform = "gitea";
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/renovate.nix>

services.renovate.validateSettings
Whether to run renovate's config validator on the built configuration.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/renovate.nix>

services.reposilite.enable
Whether to enable Reposilite.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/reposilite.nix>

services.reposilite.package
The reposilite package to use.

Type: package

Default:

```
pkgs.reposilite
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/reposilite.nix>

services.reposilite.database
Database options.

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/reposilite.nix>

services.reposilite.database.dbname
Database name.

Type: string

Default:

```
"reposilite"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/reposilite.nix>

services.reposilite.database.host
Database host address.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/reposilite.nix>

services.reposilite.database.passwordFile
Path to the file containing the password for the database connection. This file must be readable by **services.reposilite.user**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/reposilite.nix>

services.reposilite.database.path
Path to the embedded database file. Set to '−−temporary' to use an in−memory database.

Type: string

Default:

```
"reposilite.db"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/reposilite.nix>

services.reposilite.database.port
Database TCP port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
if type == "postgresql" then 5432 else 3306
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/reposilite.nix>

services.reposilite.database.type
Database engine to use.

Type: one of “h2”, “mariadb”, “mysql”, “postgresql”, “sqlite”

Default:

```
"sqlite"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/reposilite.nix>

services.reposilite.database.user
Database user.

Type: string

Default:

```
"reposilite"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/reposilite.nix>

services.reposilite.extraArgs
Extra arguments/parameters passed to the Reposilite. Can be used for first token generation.

Type: list of string

Default:

```
[ ]
```

Example:

```
[ "−−token" "name:tempsecrettoken" ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/reposilite.nix>

services.reposilite.group
The group to run Reposilite under.

Type: string

Default:

```
"reposilite"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/reposilite.nix>

services.reposilite.keyPasswordFile
Path the the file containing the password used to unlock the Java KeyStore file specified in **services.reposilite.settings.keyPath**. This file must be readable my **services.reposilite.user**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/reposilite.nix>

services.reposilite.openFirewall

Whether to open the firewall ports for Reposilite. If SSL is enabled, its port will be opened too.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/reposilite.nix>

services.reposilite.plugins

List of plugins to add to Reposilite.

Type: list of package

Default:

```
[ ]
```

Example:

```
"with reposilitePlugins; [ checksum groovy ]"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/reposilite.nix>

services.reposilite.settings

Configuration written to the reposilite.cdn file

Type: open submodule of (CDN value)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/reposilite.nix>

services.reposilite.settings.basePath

Custom base path for this Reposilite instance. It is not recommended changing this, you should instead prioritize using a different subdomain.

Type: string

Default:

```
"/"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/reposilite.nix>

services.reposilite.settings.bypassExternalCache

Add cache bypass headers to responses from /api/* to avoid issues with proxies such as Cloudflare.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/reposilite.nix>

services.reposilite.settings.cachedLogSize

Amount of messages stored in the cache logger.

Type: unsigned integer, meaning >=0

Default:

```
50
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/reposilite.nix>

services.reposilite.settings.compressionStrategy

Compression algorithm used by this instance of Reposilite. ‘none’ reduces usage of CPU & memory, but requires transfering more data.

Type: one of “none”, “gzip”

Default:

```
"none"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/reposilite.nix>

services.reposilite.settings.database

Database connection string. Please use **services.reposilite.database** instead. See **https://reposilite.com/guide/general#local−configuration** for valid values.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/reposilite.nix>

services.reposilite.settings.databaseThreadPool

Maximum amount of concurrent connections to the database. (one per thread) Embedded databases (sqlite, h2) do not support truly concurrent connections, so the value will always be ‘1’ if they are used.

Type: positive integer, meaning >0

Default:

```
1
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/reposilite.nix>

services.reposilite.settings.debugEnabled

Whether to enable debug mode.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/reposilite.nix>

services.reposilite.settings.defaultFrontend
Whether to enable the default included frontend with a dashboard.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/reposilite.nix>

services.reposilite.settings.enforceSsl
Whether to redirect all traffic to SSL.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/reposilite.nix>

services.reposilite.settings.hostname
The hostname to bind to. Set to ‘0.0.0.0’ to accept connections from everywhere, or ‘127.0.0.1’ to restrict to localhost."

Type: string

Default:

```
"0.0.0.0"
```

Example:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/reposilite.nix>

services.reposilite.settings.idleTimeout
Default idle timeout used by Jetty.

Type: unsigned integer, meaning >=0

Default:

```
30000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/reposilite.nix>

services.reposilite.settings.ioThreadPool
The IO thread pool handles all tasks that may benefit from non−blocking IO. (min: 2) Because most tasks are redirected to IO thread pool, it might be a good idea to keep it at least equal to web thread pool.

Type: integer between 2 and 65535 (both inclusive)

Default:

```
8
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/reposilite.nix>

services.reposilite.settings.keyPassword

Plaintext password used to unlock the Java KeyStore set in **services.reposilite.settings.keyPath**. WARNING: this option is insecure and should not be used to store the password. Consider using **services.reposilite.keyPasswordFile** instead.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/reposilite.nix>

services.reposilite.settings.keyPath

Path to the .jsk KeyStore or paths to the PKCS#8 certificate and private key, separated by a space (see example). You can use '${WORKING_DIRECTORY}' to refer to paths relative to Reposilite's working directory. If you are using a Java KeyStore, don't forget to specify the password via the *REPOSILITE_LOCAL_KEYPASSWORD* environment variable. See **https://reposilite.com/guide/ssl** for more information on how to set SSL up.

Type: null or string

Default:

```
null
```

Example:

```
"\${WORKING_DIRECTORY}/cert.pem \${WORKING_DIRECTORY}/key.pem"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/reposilite.nix>

services.reposilite.settings.port

The TCP port to bind to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/reposilite.nix>

services.reposilite.settings.sslEnabled

Whether to listen for encrypted connections on **settings.sslPort**.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/reposilite.nix>

services.reposilite.settings.sslPort

SSL port to bind to. SSL needs to be enabled explicitly via **settings.enableSsl**.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
443
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/reposilite.nix>

services.reposilite.settings.webThreadPool
Maximum amount of threads used by the core thread pool. (min: 5) The web thread pool handles the first few steps of incoming HTTP connections, tasks are redirected as soon as possible to the IO thread pool.

Type: integer between 5 and 65535 (both inclusive)

Default:

```
16
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/reposilite.nix>

services.reposilite.useACMEHost
Host of an existing Let's Encrypt certificate to use for SSL. Make sure that the certificate directory is readable by the 'reposilite' user or group, for example via **security.acme.certs.<cert>.group**. *Note that this option does not create any certificates, nor it does add subdomains to existing ones – you will need to create them manually using* **security.acme.certs**

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/reposilite.nix>

services.reposilite.user
The user to run Reposilite under.

Type: string

Default:

```
"reposilite"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/reposilite.nix>

services.reposilite.workingDirectory
Working directory for Reposilite.

Type: absolute path

Default:

```
"/var/lib/reposilite"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/reposilite.nix>

services.resilio.enable
If enabled, start the Resilio Sync daemon. Once enabled, you can interact with the service through the Web UI, or configure it in your NixOS configuration.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/resilio.nix>

services.resilio.enableWebUI
Enable Web UI for administration. Bound to the specified ‘httpListenAddress’ and ‘httpListenPort’.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/resilio.nix>

services.resilio.package
The resilio−sync package to use.

Type: package

Default:

```
pkgs.resilio-sync
```

Declared by:
<nixpkgs/nixos/modules/services/networking/resilio.nix>

services.resilio.apiKey
API key, which enables the developer API.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/resilio.nix>

services.resilio.checkForUpdates
Determines whether to check for updates and alert the user about them in the UI.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/resilio.nix>

services.resilio.deviceName
Name of the Resilio Sync device.

Type: string

Default:

```
config.networking.hostName
```

Example:

```
"Voltron"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/resilio.nix>

services.resilio.directoryRoot

Default directory to add folders in the web UI.

Type: string

Default:

```
""
```

Example:

```
"/media"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/resilio.nix>

services.resilio.downloadLimit

Download speed limit. 0 is unlimited (default).

Type: unsigned integer, meaning >=0

Default:

Example:

```
1024
```

Declared by:

<nixpkgs/nixos/modules/services/networking/resilio.nix>

services.resilio.encryptLAN

Encrypt LAN data.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/resilio.nix>

services.resilio.httpListenAddr

HTTP address to bind to.

Type: string

Default:

```
"[::1]"
```

Example:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/resilio.nix>

services.resilio.httpListenPort

HTTP port to bind on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9000
```

Declared by:
<nixpkgs/nixos/modules/services/networking/resilio.nix>

services.resilio.httpLogin
HTTP web login username.

Type: string

Default:

```
""
```

Example:

```
"allyourbase"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/resilio.nix>

services.resilio.httpPass
HTTP web login password.

Type: string

Default:

```
""
```

Example:

```
"arebelongtous"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/resilio.nix>

services.resilio.listeningPort
Listening port. Defaults to 0 which randomizes the port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

Example:

```
44444
```

Declared by:
<nixpkgs/nixos/modules/services/networking/resilio.nix>

services.resilio.sharedFolders
Shared folder list. If enabled, web UI must be disabled. Secrets can be generated using ‘rslsync −−generate−secret’.

If you would like to be able to modify the contents of this directories, it is recommended that you make your user a member of the ‘rslsync’ group.

Directories in this list should be in the ‘rslsync’ group, and that group must have write access to the directory. It is also recommended that ‘chmod g+s’ is applied to the directory so that any sub directories created will also belong to the ‘rslsync’ group. Also, ‘setfacl −d −m group:rslsync:rwx’ and ‘setfacl −m group:rslsync:rwx’ should also be applied so that the sub directories are writable by the group.

Type: list of attribute set of anything

Default:

```
[ ]
```

Example:

```
[
```

```
  {
    directory = "/home/user/sync_test";
    knownHosts = [
      "192.168.1.2:4444"
      "192.168.1.3:4444"
    ];
    searchLAN = true;
    secretFile = "/run/resilio-secret";
    useDHT = false;
    useRelayServer = true;
    useSyncTrash = true;
    useTracker = true;
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/resilio.nix>

services.resilio.storagePath
Where BitTorrent Sync will store it's database files (containing things like username info and licenses). Generally, you should not need to ever change this.

Type: absolute path

Default:

```
"/var/lib/resilio-sync/"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/resilio.nix>

services.resilio.uploadLimit
Upload speed limit. 0 is unlimited (default).

Type: unsigned integer, meaning >=0

Default:

Example:

```
1024
```

Declared by:
<nixpkgs/nixos/modules/services/networking/resilio.nix>

services.resilio.useUpnp
Use Universal Plug-n-Play (UPnP)

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/resilio.nix>

services.resolved.enable
Whether to enable the Systemd DNS resolver daemon (systemd-resolved).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/resolved.nix>

services.resolved.dnsDelegates
dns−delegate files to be created. See **systemd.dns−delegate**(5) for more info.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/system/boot/resolved.nix>

services.resolved.dnsDelegates.<name>.Delegate
Settings option for systemd dns−delegate files. See **systemd.dns−delegate**(5) for all available options.

Type: open submodule of attribute set of (systemd option)

Declared by:
<nixpkgs/nixos/modules/system/boot/resolved.nix>

services.resolved.settings.Resolve
Settings option for systemd−resolved. See **resolved.conf**(5) for all available options.

Type: open submodule of attribute set of (systemd option)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/system/boot/resolved.nix>

services.resolved.settings.Resolve.DNS
List of IP addresses to query as recursive DNS resolvers.

Type: systemd option

Default:

```
config.networking.nameservers
```

Declared by:
<nixpkgs/nixos/modules/system/boot/resolved.nix>

services.resolved.settings.Resolve.DNSOverTLS
Whether to use TLS encryption for DNS queries. Requires nameservers that support DNS−over−TLS.

Type: systemd option

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/system/boot/resolved.nix>

services.resolved.settings.Resolve.DNSSEC
Whether to validate DNSSEC for DNS lookups.

Type: systemd option

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/system/boot/resolved.nix>

services.resolved.settings.Resolve.Domains
List of search domains used to complete unqualified name lookups.

Type: systemd option

Default:

```
config.networking.search
```

Example:

```
[
  "scope.example.com"
  "example.com"
]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/resolved.nix>

services.restic.backups
Periodic backups to create with Restic.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  commandbackup = {
    command = [
      "\${lib.getExe pkgs.sudo}"
      "-u postgres"
      "\${pkgs.postgresql}/bin/pg_dumpall"
    ];
    environmentFile = "/etc/nixos/secrets/restic-environment";
    extraBackupArgs = [
      "--tag database"
    ];
    passwordFile = "/etc/nixos/secrets/restic-password";
    pruneOpts = [
      "--keep-daily 14"
      "--keep-weekly 4"
      "--keep-monthly 2"
      "--group-by tags"
    ];
    repository = "s3:example.com/mybucket";
  };
  localbackup = {
    exclude = [
      "/home/*/.cache"
    ];
    initialize = true;
    passwordFile = "/etc/nixos/secrets/restic-password";
```

```
      paths = [
        "/home"
      ];
      repository = "/mnt/backup-hdd";
    };
    remotebackup = {
      extraOptions = [
        "sftp.command='ssh backup@host -i /etc/nixos/secrets/backup \
-private-key -s sftp'"
      ];
      passwordFile = "/etc/nixos/secrets/restic-password";
      paths = [
        "/home"
      ];
      repository = "sftp:backup@host:/backups/home";
      timerConfig = {
        OnCalendar = "00:05";
        RandomizedDelaySec = "5h";
      };
    };
  }
```

Declared by:
<nixpkgs/nixos/modules/services/backup/restic.nix>

services.restic.backups.<name>.package
The restic package to use.

Type: package

Default:

```
pkgs.restic
```

Declared by:
<nixpkgs/nixos/modules/services/backup/restic.nix>

services.restic.backups.<name>.backupCleanupCommand
A script that must run after finishing the backup process.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/restic.nix>

services.restic.backups.<name>.backupPrepareCommand
A script that must run before starting the backup process.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/restic.nix>

services.restic.backups.<name>.checkOpts

A list of options for ‘restic check’.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--with-cache"
]
```

Declared by:

<nixpkgs/nixos/modules/services/backup/restic.nix>

services.restic.backups.<name>.command

Command to pass to --stdin-from-command. If null or an empty array, and ‘paths’/‘dynamicFilesFrom’ are also null, no backup command will be run.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "sudo"
  "-u"
  "postgres"
  "pg_dumpall"
]
```

Declared by:

<nixpkgs/nixos/modules/services/backup/restic.nix>

services.restic.backups.<name>.createWrapper

Whether to generate and add a script to the system path, that has the same environment variables set as the systemd service. This can be used to e.g. mount snapshots or perform other opterations, without having to manually specify most options.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/backup/restic.nix>

services.restic.backups.<name>.dynamicFilesFrom

A script that produces a list of files to back up. The results of this command are given to the ‘–files-from’ option. The result is merged with paths specified via ‘paths’.

Type: null or string

Default:

```
null
```

Example:

```
"find /home/matt/git -type d -name .git"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/restic.nix>

services.restic.backups.<name>.environmentFile
file containing the credentials to access the repository, in the format of an EnvironmentFile as described by **systemd.exec**(5)

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/restic.nix>

services.restic.backups.<name>.exclude
Patterns to exclude when backing up. See https://restic.readthedocs.io/en/latest/040_backup.html#excluding−files for details on syntax.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "/var/cache"
  "/home/*/.cache"
  ".git"
]
```

Declared by:
<nixpkgs/nixos/modules/services/backup/restic.nix>

services.restic.backups.<name>.extraBackupArgs
Extra arguments passed to restic backup.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "−−cleanup−cache"
  "−−exclude−file=/etc/nixos/restic−ignore"
]
```

Declared by:
<nixpkgs/nixos/modules/services/backup/restic.nix>

services.restic.backups.<name>.extraOptions
Extra extended options to be passed to the restic −−option flag.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
```

```
    "sftp.command='ssh backup@192.168.1.100 -i /home/user/.ssh/id_rs \
  a -s sftp'"
  ]
```

Declared by:
<nixpkgs/nixos/modules/services/backup/restic.nix>

services.restic.backups.<name>.inhibitsSleep
Prevents the system from sleeping while backing up.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/backup/restic.nix>

services.restic.backups.<name>.initialize
Create the repository if it doesn't exist.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/backup/restic.nix>

services.restic.backups.<name>.passwordFile
Read the repository password from a file.

Type: null or string

Default:

```
null
```

Example:

```
"/etc/nixos/restic-password"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/restic.nix>

services.restic.backups.<name>.paths
Which paths to backup, in addition to ones specified via 'dynamicFilesFrom'. If null or an empty array and 'dynamicFilesFrom' is also null, no backup command will be run. This can be used to create a prune-only job.

Type: null or (list of string)

Default:

```
[ ]
```

Example:

```
[
  "/var/lib/postgresql"
  "/home/user/backup"
]
```

Declared by:
<nixpkgs/nixos/modules/services/backup/restic.nix>

services.restic.backups.<name>.progressFps
Controls the frequency of progress reporting.

Type: null or (nonnegative integer or floating point number, meaning >=0)

Default:

```
null
```

Example:

```
0.1
```

Declared by:
<nixpkgs/nixos/modules/services/backup/restic.nix>

services.restic.backups.<name>.pruneOpts
A list of options (–keep−* et al.) for ‘restic forget –prune’, to automatically prune old snapshots. The ‘forget’ command is run *after* the ‘backup’ command, so keep that in mind when constructing the −−keep−* options.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--keep-daily 7"
  "--keep-weekly 5"
  "--keep-monthly 12"
  "--keep-yearly 75"
]
```

Declared by:
<nixpkgs/nixos/modules/services/backup/restic.nix>

services.restic.backups.<name>.rcloneConfig
Configuration for the rclone remote being used for backup. See the remote’s specific options under rclone’s docs at **https://rclone.org/docs/**. When specifying option names, use the “config” name specified in the docs. For example, to set ‘−−b2−hard−delete’ for a B2 remote, use ‘hard_delete = true’ in the attribute set. Warning: Secrets set in here will be world−readable in the Nix store! Consider using the ‘rcloneConfigFile’ option instead to specify secret values separately. Note that options set here will override those set in the config file.

Type: null or (attribute set of (string or boolean))

Default:

```
null
```

Example:

```
{
  account = "xxx";
  hard_delete = true;
  key = "xxx";
  type = "b2";
}
```

Declared by:
<nixpkgs/nixos/modules/services/backup/restic.nix>

services.restic.backups.<name>.rcloneConfigFile
Path to the file containing rclone configuration. This file must contain configuration for the remote specified in this backup set and also must be readable by root. Options set in 'rcloneConfig' will override those set in this file.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/restic.nix>

services.restic.backups.<name>.rcloneOptions
Options to pass to rclone to control its behavior. See **https://rclone.org/docs/#options** for available options. When specifying option names, strip the leading '--'. To set a flag such as '--drive-use-trash', which does not take a value, set the value to the Boolean 'true'.

Type: null or (attribute set of (string or boolean))

Default:

```
null
```

Example:

```
{
  bwlimit = "10M";
  drive-use-trash = "true";
}
```

Declared by:
<nixpkgs/nixos/modules/services/backup/restic.nix>

services.restic.backups.<name>.repository
repository to backup to.

Type: null or string

Default:

```
null
```

Example:

```
"sftp:backup@192.168.1.100:/backups/‹name›"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/restic.nix>

services.restic.backups.<name>.repositoryFile
Path to the file containing the repository location to backup to.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/restic.nix>

services.restic.backups.<name>.runCheck

Whether to run the ‘check’ command with the provided ‘checkOpts’ options.

Type: boolean

Default:

```
builtins.length config.services.backups.‹name›.checkOpts > 0
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/backup/restic.nix>

services.restic.backups.<name>.timerConfig

When to run the backup. See **systemd.timer**(5) for details. If null no timer is created and the backup will only run when explicitly started.

Type: null or (attribute set of (systemd option))

Default:

```
{
  OnCalendar = "daily";
  Persistent = true;
}
```

Example:

```
{
  OnCalendar = "00:05";
  Persistent = true;
  RandomizedDelaySec = "5h";
}
```

Declared by:

<nixpkgs/nixos/modules/services/backup/restic.nix>

services.restic.backups.<name>.user

As which user the backup should run.

Type: string

Default:

```
"root"
```

Example:

```
"postgresql"
```

Declared by:

<nixpkgs/nixos/modules/services/backup/restic.nix>

services.restic.server.enable

Whether to enable Restic REST Server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/backup/restic−rest−server.nix>

services.restic.server.package
The restic−rest−server package to use.

Type: package

Default:

```
pkgs.restic-rest-server
```

Declared by:
<nixpkgs/nixos/modules/services/backup/restic−rest−server.nix>

services.restic.server.appendOnly
Enable append only mode. This mode allows creation of new backups but prevents deletion and modification of existing backups. This can be useful when backing up systems that have a potential of being hacked.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/backup/restic−rest−server.nix>

services.restic.server.dataDir
The directory for storing the restic repository.

Type: absolute path

Default:

```
"/var/lib/restic"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/restic−rest−server.nix>

services.restic.server.extraFlags
Extra commandline options to pass to Restic REST server.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/backup/restic−rest−server.nix>

services.restic.server.htpasswd−file
The path to the servers .htpasswd file. Defaults to ‘${dataDir}/.htpasswd’.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/restic−rest−server.nix>

services.restic.server.listenAddress

Listen on a specific IP address and port or unix socket.

Type: string

Default:

```
"8000"
```

Example:

```
"127.0.0.1:8080"
```

Declared by:

<nixpkgs/nixos/modules/services/backup/restic−rest−server.nix>

services.restic.server.privateRepos

Enable private repos. Grants access only when a subdirectory with the same name as the user is specified in the repository URL.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/backup/restic−rest−server.nix>

services.restic.server.prometheus

Enable Prometheus metrics at /metrics.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/backup/restic−rest−server.nix>

services.rethinkdb.enable

Whether to enable RethinkDB server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/databases/rethinkdb.nix>

services.rethinkdb.dbpath

Location where RethinkDB stores its data, 1 data directory per instance.

Type: unspecified value

Default:

```
"/var/db/rethinkdb"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/rethinkdb.nix>

services.rethinkdb.group
Group which rethinkdb user belongs to.

Type: unspecified value

Default:

```
"rethinkdb"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/rethinkdb.nix>

services.rethinkdb.pidpath
Location where each instance's pid file is located.

Type: unspecified value

Default:

```
"/run/rethinkdb"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/rethinkdb.nix>

services.rethinkdb.user
User account under which RethinkDB runs.

Type: unspecified value

Default:

```
"rethinkdb"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/rethinkdb.nix>

services.riemann.enable
Whether to enable Riemann network monitoring daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/riemann.nix>

services.riemann.config
Contents of the Riemann configuration file. For more complicated config you should use configFile.

Type: strings concatenated with "\n"

Declared by:
<nixpkgs/nixos/modules/services/monitoring/riemann.nix>

services.riemann.configFile
A Riemann config file. Any files in the same directory as this file will be added to the classpath by Riemann.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/riemann.nix>

services.riemann.configFiles
Extra files containing Riemann configuration. These files will be loaded at runtime by Riemann (with Clojure's 'load−file' function) at the end of the configuration if you use the config option, this is ignored if you use configFile.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/riemann.nix>

services.riemann.extraClasspathEntries
Extra entries added to the Java classpath when running Riemann.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/riemann.nix>

services.riemann.extraJavaOpts
Extra Java options used when launching Riemann.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/riemann.nix>

services.riemann−dash.enable
Enable the riemann−dash dashboard daemon.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/riemann−dash.nix>

services.riemann−dash.config
Contents added to the end of the riemann−dash configuration file.

Type: strings concatenated with "\n"

Declared by:
<nixpkgs/nixos/modules/services/monitoring/riemann−dash.nix>

services.riemann−dash.dataDir
Location of the riemann−base dir. The dashboard configuration file is is stored to this directory. The directory is created automatically on service start, and owner is set to the riemanndash user.

Type: string

Default:

```
"/var/riemann-dash"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/riemann-dash.nix>

services.riemann-tools.enableHealth
Enable the riemann-health daemon.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/riemann-tools.nix>

services.riemann-tools.extraArgs
A list of commandline-switches forwarded to a riemann-tool. See for example 'riemann-health --help' for available options.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-p 5555"
  "--timeout=30"
  "--attribute=myattribute=42"
]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/riemann-tools.nix>

services.riemann-tools.riemannHost
Address of the host riemann node. Defaults to localhost.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/riemann-tools.nix>

services.rimgo.enable
Whether to enable rimgo.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/rimgo.nix>

services.rimgo.package

The rimgo package to use.

Type: package

Default:

```
pkgs.rimgo
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/rimgo.nix>

services.rimgo.settings

Settings for rimgo, see **the official documentation** for supported options.

Type: open submodule of attribute set of string

Example:

```
{
  PORT = 69420;
  FORCE_WEBP = "1";
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/rimgo.nix>

services.rimgo.settings.ADDRESS

The address to listen on.

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"1.1.1.1"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/rimgo.nix>

services.rimgo.settings.PORT

The port to use.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Example:

```
69420
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/rimgo.nix>

services.ringboard.wayland.enable

Whether to enable Wayland support for Ringboard.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ringboard.nix>

services.ringboard.wayland.package
The ringboard-wayland package to use.

Type: package

Default:

```
pkgs.ringboard-wayland
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ringboard.nix>

services.ringboard.x11.enable
Whether to enable X11 support for Ringboard.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ringboard.nix>

services.ringboard.x11.package
The ringboard package to use.

Type: package

Default:

```
pkgs.ringboard
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ringboard.nix>

services.rke2.enable
Whether to enable rke2.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.package
The rke2 package to use.

Type: package

Default:

```
pkgs.rke2
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.agentToken
The rke2 token agents can use to connect to the server. This option only makes sense on server nodes (‘role = server’).

WARNING: This option will expose your token unencrypted in the world−readable nix store. If this is undesired use the tokenFile option instead.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.agentTokenFile
File path containing the rke2 token agents can use to connect to the server. This option only makes sense on server nodes (‘role = server’).

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.autoDeployCharts
Auto deploying Helm charts that are installed by the rke2 Helm controller. Avoid using attribute names that are also used in the **services.rke2.manifests** and **services.rke2.charts** options. Manifests with the same name will override auto deploying charts with the same name. This option only makes sense on server nodes (‘role = server’). See the **rke2 Helm documentation** for further information.

WARNING: If you have multiple server nodes, and set this option on more than one server, it is your responsibility to ensure that files stay in sync across those nodes. AddOn content is not synced between nodes, and rke2 cannot guarantee correct behavior if different servers attempt to deploy conflicting manifests.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  harbor = {
    name = "harbor";
    repo = "https://helm.goharbor.io";
    version = "1.14.0";
    hash = "sha256−fMP7q1MIbvzPGS9My91vbQ1d3OJMjwc+o8YE/BXZaYU=";
    values = {
      existingSecretAdminPassword = "harbor−admin";
      expose = {
        tls = {
          enabled = true;
          certSource = "secret";
          secret.secretName = "my−tls−secret";
```

```
            };
            ingress = {
              hosts.core = "example.com";
              className = "nginx";
            };
          };
        };
      };
      nginx = {
        repo = "oci://registry-1.docker.io/bitnamicharts/nginx";
        version = "20.0.0";
        hash = "sha256-sy+tzB+i9jIl/tqOMzzuhVhTU4EZVsoSBtPznxF/36c=";
      };
      custom-chart = {
        package = ../charts/my-chart.tgz;
        values = ../values/my-values.yaml;
        extraFieldDefinitions = {
          spec.timeout = "60s";
        };
      };
    }
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.autoDeployCharts.<name>.enable

Whether to enable the installation of this Helm chart. Note that setting this option to ‘false’ will not uninstall the chart from the cluster, if it was previously installed. Please use the the ‘--disable’ flag or ‘.skip’ files to delete/disable Helm charts, as mentioned in the **docs**.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.autoDeployCharts.<name>.package

The packaged Helm chart. Overwrites the options ‘repo’, ‘name’, ‘version’ and ‘hash’ in case of conflicts.

Type: absolute path or package

Example:

```
../my-helm-chart.tgz
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.autoDeployCharts.<name>.createNamespace

Whether to create the target namespace if not present.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.autoDeployCharts.<name>.extraDeploy

List of extra Kubernetes manifests to deploy with this Helm chart.

Type: list of (absolute path or (attribute set))

Default:

```
[ ]
```

Example:

```
[
  ../manifests/my-extra-deployment.yaml
  {
    apiVersion = "v1";
    kind = "Service";
    metadata = {
      name = "app-service";
    };
    spec = {
      selector = {
        "app.kubernetes.io/name" = "MyApp";
      };
      ports = [
        {
          name = "name-of-service-port";
          protocol = "TCP";
          port = 80;
          targetPort = "http-web-svc";
        }
      ];
    };
  }
];
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.autoDeployCharts.<name>.extraFieldDefinitions

Extra HelmChart field definitions that are merged with the rest of the HelmChart custom resource. This can be used to set advanced fields or to overwrite generated fields. See **https://docs.rke2.io/helm#helm-chart-field-definitions** for possible fields.

Type: JSON value

Default:

```
{ }
```

Example:

```
{
  spec = {
    backOffLimit = 3;
    bootstrap = true;
    helmVersion = "v2";
    jobImage = "custom-helm-controller:v0.0.1";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.autoDeployCharts.<name>.hash
The hash of the packaged Helm chart. Only has an effect if 'package' is not set. The Helm chart is fetched during build time and placed as a '.tgz' archive on the filesystem.

Type: string

Default:

```
""
```

Example:

```
"sha256-ej+vpPNdiOoXsaj1jyRpWLisJgWo8EqX+Z5VbpSjsPA="
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.autoDeployCharts.<name>.name
The name of the Helm chart. Only has an effect if 'package' is not set. The Helm chart is fetched during build time and placed as a '.tgz' archive on the filesystem.

Type: non-empty string

Example:

```
"ingress-nginx"
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.autoDeployCharts.<name>.repo
The repo of the Helm chart. Only has an effect if 'package' is not set. The Helm chart is fetched during build time and placed as a '.tgz' archive on the filesystem.

Type: non-empty string

Example:

```
"https://kubernetes.github.io/ingress-nginx"
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.autoDeployCharts.<name>.targetNamespace
The namespace in which the Helm chart gets installed.

Type: non-empty string

Default:

```
"default"
```

Example:

```
"kube-system"
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.autoDeployCharts.<name>.values

Override default chart values via Nix expressions. This is equivalent to setting values in a 'values.yaml' file.

WARNING: The values (including secrets!) specified here are exposed unencrypted in the world-readable nix store.

Type: absolute path or (attribute set)

Default:

```
{ }
```

Example:

```
{
  hostName = "my-host";
  replicaCount = 3;
  server = {
    name = "nginx";
    port = 80;
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.autoDeployCharts.<name>.version

The version of the Helm chart. Only has an effect if 'package' is not set. The Helm chart is fetched during build time and placed as a '.tgz' archive on the filesystem.

Type: non-empty string

Example:

```
"4.7.0"
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.charts

Packaged Helm charts that are linked to */var/lib/rancher/rke2/server/static/charts* before rke2 starts. The attribute name will be used as the link target (relative to */var/lib/rancher/rke2/server/static/charts*). The specified charts will only be placed on the file system and made available via port 9345 on server nodes. See the **services.rke2.autoDeployCharts** option and the **rke2 Helm controller docs** to deploy Helm charts. This option only makes sense on server nodes ('role = server').

Type: attribute set of (absolute path or package)

Default:

```
{ }
```

Example:

```
nginx = ../charts/my-nginx-chart.tgz;
redis = ../charts/my-redis-chart.tgz;
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.cisHardening
Enable CIS Hardening for RKE2.

The OS−level configuration options required to pass the CIS benchmark are enabled by default. This option only creates the ‘etcd’ user and group, and passes the ‘−−profile=cis’ flag to RKE2.

Learn more about **CIS Hardening for RKE2**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.cni
CNI plugins to deploy, one of ‘none’, ‘calico’, ‘canal’, ‘cilium’ or ‘flannel’.

All CNI plugins get installed via a helm chart after the main components are up and running and can be **customized by modifying the helm chart options**.

Learn more about RKE2 and CNI plugins

“” **WARNING**: Flannel support in RKE2 is currently experimental.

Type: null or one of “none”, “canal”, “cilium”, “calico”, “flannel”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.configPath
File path containing the rke2 YAML config. This is useful when the config is generated (for example on boot).

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.containerdConfigTemplate
Config template for containerd, to be placed at ‘/var/lib/rancher/rke2/agent/etc/containerd/config.toml.tmpl’. See the docs on **configuring containerd**.

Type: null or string

Default:

```
null
```

Example:

```
# Base config
{{ template "base" . }}
# Add a custom runtime
[plugins."io.containerd.grpc.v1.cri".containerd.runtimes."custom"]
  runtime_type = "io.containerd.runc.v2"
```

```
[plugins."io.containerd.grpc.v1.cri".containerd.runtimes."custom".o \
ptions]
  BinaryName = "/path/to/custom-container-runtime"
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.disable
Disable default components, see the **RKE2 documentation**.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.environmentFile
File path containing environment variables for configuring the rke2 service in the format of an EnvironmentFile. See **systemd.exec**(5).

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.extraFlags
Extra flags to pass to the rke2 command.

Type: string or list of string

Default:

```
[ ]
```

Example:

```
[
  "--etcd-expose-metrics"
  "--cluster-cidr 10.24.0.0/16"
]
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.extraKubeProxyConfig
Extra configuration to add to the kube-proxy's configuration file. The subset of the kube-proxy's configuration that can be configured via a file is defined by the **KubeProxyConfiguration** struct. Note that the kubeconfig param will be overriden by 'clientConnection.kubeconfig', so you must set the 'clientConnection.kubeconfig' option if you want to use 'extraKubeProxyConfig'.

Type: attribute set of anything

Default:

```
{ }
```

Example:

```
{
  clientConnection = {
```

```
      kubeconfig = "/var/lib/rancher/rke2/agent/kubeproxy.kubeconfig" \
  ;
    };
    mode = "nftables";
  }
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.extraKubeletConfig

Extra configuration to add to the kubelet's configuration file. The subset of the kubelet's configuration that can be configured via a file is defined by the **KubeletConfiguration** struct. See the **documentation** for further information.

Type: attribute set of anything

Default:

```
{ }
```

Example:

```
{
  containerLogMaxSize = "5Mi";
  memoryThrottlingFactor = 0.69;
  podsPerCore = 3;
}
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.gracefulNodeShutdown.enable

Whether to enable graceful node shutdowns where the kubelet attempts to detect node system shutdown and terminates pods running on the node. See the **documentation** for further information. .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.gracefulNodeShutdown.shutdownGracePeriod

Specifies the total duration that the node should delay the shutdown by. This is the total grace period for pod termination for both regular and critical pods.

Type: non−empty string

Default:

```
"30s"
```

Example:

```
"1m30s"
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.gracefulNodeShutdown.shutdownGracePeriodCriticalPods

Specifies the duration used to terminate critical pods during a node shutdown. This should be less than 'shutdownGracePeriod'.

Type: non−empty string

Default:

```
"10s"
```

Example:

```
"15s"
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.images

List of derivations that provide container images. All images are linked to */var/lib/rancher/rke2/agent/images* before rke2 starts and are consequently imported by the rke2 agent. Consider importing the rke2 core and CNI image archives of the rke2 package in use, if you want to pre−provision this node with all rke2 container images. For a full list of available airgap images, check the **source**. of the rke2 package in use.

Type: list of package

Default:

```
[ ]
```

Example:

```
[
  (pkgs.dockerTools.pullImage {
    imageName = "docker.io/bitnami/keycloak";
    imageDigest = "sha256:714dfadc66a8e3adea6609bda350345bd3711657b \
7ef3cf2e8015b526bac2d6b";
    hash = "sha256−IM2BLZ0EdKIZcRWOtuFY9TogZJXCpKtPZnMnPsGlq0Y=";
    finalImageTag = "21.1.2−debian−11−r0";
  })
  config.services.rke2.package.images−core−linux−amd64−tar−zst
  config.services.rke2.package.images−canal−linux−amd64−tar−zs \
t
]
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.manifests

Auto−deploying manifests that are linked to */var/lib/rancher/rke2/server/manifests* before rke2 starts. Note that deleting manifest files will not remove or otherwise modify the resources it created. Please use the the '−−disable' flag or '.skip' files to delete/disable AddOns, as mentioned in the **docs**. This option only makes sense on server nodes ('role = server'). Read the **auto−deploying manifests docs** for further information.

WARNING: If you have multiple server nodes, and set this option on more than one server, it is your responsibility to ensure that files stay in sync across those nodes. AddOn content is not synced between nodes, and rke2 cannot guarantee correct behavior if different servers attempt to deploy conflicting manifests.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  deployment.source = ../manifests/deployment.yaml;
  my-service = {
    enable = false;
    target = "app-service.yaml";
    content = {
      apiVersion = "v1";
      kind = "Service";
      metadata = {
        name = "app-service";
      };
      spec = {
        selector = {
          "app.kubernetes.io/name" = "MyApp";
        };
        ports = [
          {
            name = "name-of-service-port";
            protocol = "TCP";
            port = 80;
            targetPort = "http-web-svc";
          }
        ];
      };
    };
  };
  nginx.content = [
    {
      apiVersion = "v1";
      kind = "Pod";
      metadata = {
        name = "nginx";
        labels = {
          "app.kubernetes.io/name" = "MyApp";
        };
      };
      spec = {
        containers = [
          {
            name = "nginx";
            image = "nginx:1.14.2";
            ports = [
              {
                containerPort = 80;
                name = "http-web-svc";
              }
            ];
          }
        ];
      };
```

```
        }
        {
          apiVersion = "v1";
          kind = "Service";
          metadata = {
            name = "nginx-service";
          };
          spec = {
            selector = {
              "app.kubernetes.io/name" = "MyApp";
            };
            ports = [
              {
                name = "name-of-service-port";
                protocol = "TCP";
                port = 80;
                targetPort = "http-web-svc";
              }
            ];
          };
        }
      ];
    };
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.manifests.<name>.enable
Whether this manifest file should be generated.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.manifests.<name>.content
Content of the manifest file. A single attribute set will generate a single document YAML file. A list of attribute sets will generate multiple documents separated by '---' in a single YAML file.

Type: null or (attribute set) or list of (attribute set)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.manifests.<name>.source
Path of the source '.yaml' file.

Type: absolute path

Example:

```
./manifests/app.yaml
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.manifests.<name>.target
Name of the symlink (relative to */var/lib/rancher/rke2/server/manifests*). Defaults to the attribute name.

Type: non−empty string

Example:

```
"manifest.yaml"
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.nodeExternalIP
IPv4/IPv6 external addresses to advertise for node.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.nodeIP
IPv4/IPv6 addresses to advertise for node.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.nodeLabel
Registering and starting kubelet with set of labels.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.nodeName
Node name.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.nodeTaint
Registering kubelet with set of taints.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.role
Whether rke2 should run as a server or agent.

If it's a server:

- By default it also runs workloads as an agent.
- All options can be set.

If it's an agent:

- 'serverAddr' is required.
- 'token' or 'tokenFile' is required.
- 'agentToken', 'agentTokenFile', 'disable' and 'cni' should not be set.

Type: one of "server", "agent"

Default:

```
"server"
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.selinux
Enable SELinux in containerd.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.serverAddr
The rke2 server to connect to, used to join a cluster.

Type: string

Default:

```
""
```

Example:

```
"https://10.0.0.10:6443"
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.token
The rke2 token to use when connecting to a server.

WARNING: This option will expose your token unencrypted in the world−readable nix store. If this is undesired use the tokenFile option instead.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rke2.tokenFile
File path containing the rke2 token to use when connecting to a server.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/rancher/default.nix>

services.rkvm.enable
Whether to enable rkvm, a Virtual KVM switch for Linux machines.

Type: boolean

Default:

```
config.services.rkvm.server.enable || config.services.rkvm.client.e \
nable
```

Declared by:
<nixpkgs/nixos/modules/services/misc/rkvm.nix>

services.rkvm.package
The rkvm package to use.

Type: package

Default:

```
pkgs.rkvm
```

Declared by:
<nixpkgs/nixos/modules/services/misc/rkvm.nix>

services.rkvm.client.enable
Whether to enable the rkvm client daemon (input receiver).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/rkvm.nix>

services.rkvm.client.settings
Structured client daemon configuration

Type: open submodule of (TOML value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/rkvm.nix>

services.rkvm.client.settings.certificate
TLS ceritficate path.

Note
This should be generated with **rkvm−certificate−gen**.

Type: absolute path

Default:

```
"/etc/rkvm/certificate.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/rkvm.nix>

services.rkvm.client.settings.password
Shared secret token to authenticate the client. Make sure this matches your server's config.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/misc/rkvm.nix>

services.rkvm.client.settings.server
An RKVM server's internet socket address, either IPv4 or IPv6.

Type: string

Example:

```
"192.168.0.123:5258"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/rkvm.nix>

services.rkvm.server.enable
Whether to enable the rkvm server daemon (input transmitter).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/rkvm.nix>

services.rkvm.server.settings
Structured server daemon configuration

Type: open submodule of (TOML value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/rkvm.nix>

services.rkvm.server.settings.certificate
TLS certificate path.

Note
This should be generated with **rkvm−certificate−gen**.

Type: absolute path

Default:

```
"/etc/rkvm/certificate.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/rkvm.nix>

services.rkvm.server.settings.key
TLS key path.

Note
This should be generated with **rkvm−certificate−gen**.

Type: absolute path

Default:

```
"/etc/rkvm/key.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/rkvm.nix>

services.rkvm.server.settings.listen
An internet socket address to listen on, either IPv4 or IPv6.

Type: string

Default:

```
"0.0.0.0:5258"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/rkvm.nix>

services.rkvm.server.settings.password
Shared secret token to authenticate the client. Make sure this matches your client's config.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/misc/rkvm.nix>

services.rkvm.server.settings.switch−keys
A key list specifying a host switch combination.

A list of key names is available in **https://github.com/htrefil/rkvm/blob/master/switch−keys.md**[1].

Type: list of string

Default:

```
[
  "left-alt"
  "left-ctrl"
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/rkvm.nix>

1. https://github.com/htrefil/rkvm/blob/master/switch−keys.md

services.rmfakecloud.enable
Whether to enable rmfakecloud remarkable self−hosted cloud.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/rmfakecloud.nix>

services.rmfakecloud.package
The rmfakecloud package to use.

Type: package

Default:

```
pkgs.rmfakecloud
```

Declared by:
<nixpkgs/nixos/modules/services/misc/rmfakecloud.nix>

services.rmfakecloud.environmentFile
Path to an environment file loaded for the rmfakecloud service.

This can be used to securely store tokens and secrets outside of the world−readable Nix store. Since this file is read by systemd, it may have permission 0400 and be owned by root.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/etc/secrets/rmfakecloud.env"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/rmfakecloud.nix>

services.rmfakecloud.extraSettings
Extra settings in the form of a set of key−value pairs. For tokens and secrets, use ‘environmentFile’ instead.

Available settings are listed on https://ddvk.github.io/rmfakecloud/install/configuration/.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  DATADIR = "/custom/path/for/rmfakecloud/data";
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/rmfakecloud.nix>

services.rmfakecloud.logLevel
Logging level.

Type: one of “info”, “debug”, “warn”, “error”

Default:

```
"info"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/rmfakecloud.nix>

services.rmfakecloud.port
Listening port number.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Declared by:
<nixpkgs/nixos/modules/services/misc/rmfakecloud.nix>

services.rmfakecloud.storageUrl
URL used by the tablet to access the rmfakecloud service.

Type: string

Example:

```
"https://local.appspot.com"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/rmfakecloud.nix>

services.robustirc−bridge.enable
Whether to enable RobustIRC bridge.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/robustirc−bridge.nix>

services.robustirc−bridge.extraFlags
Extra flags passed to the **robustirc−bridge** command. See **RobustIRC Documentation** or **robustirc−bridge**(1) for details.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "−network robustirc.net"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/robustirc−bridge.nix>

services.roon−bridge.enable
Whether to enable Roon Bridge.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/audio/roon-bridge.nix>

services.roon-bridge.group
Group to run the Roon Bridge as.

Type: string

Default:

```
"roon-bridge"
```

Declared by:
<nixpkgs/nixos/modules/services/audio/roon-bridge.nix>

services.roon-bridge.openFirewall
Open ports in the firewall for the bridge.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/audio/roon-bridge.nix>

services.roon-bridge.user
User to run the Roon bridge as.

Type: string

Default:

```
"roon-bridge"
```

Declared by:
<nixpkgs/nixos/modules/services/audio/roon-bridge.nix>

services.roon-server.enable
Whether to enable Roon Server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/audio/roon-server.nix>

services.roon-server.package
The roon-server package to use.

Type: package

Default:

```
pkgs.roon-server
```

Declared by:
<nixpkgs/nixos/modules/services/audio/roon-server.nix>

services.roon-server.group
Group to run the Roon Server as.

Type: string

Default:

```
"roon-server"
```

Declared by:
<nixpkgs/nixos/modules/services/audio/roon-server.nix>

services.roon-server.openFirewall
Open ports in the firewall for the server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/audio/roon-server.nix>

services.roon-server.user
User to run the Roon Server as.

Type: string

Default:

```
"roon-server"
```

Declared by:
<nixpkgs/nixos/modules/services/audio/roon-server.nix>

services.rosenpass.enable
Whether to enable Rosenpass.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/rosenpass.nix>

services.rosenpass.package
The rosenpass package to use.

Type: package

Default:

```
pkgs.rosenpass
```

Declared by:
<nixpkgs/nixos/modules/services/networking/rosenpass.nix>

services.rosenpass.defaultDevice

Name of the network interface to use for all peers by default.

Type: null or string

Default:

```
null
```

Example:

```
"wg0"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/rosenpass.nix>

services.rosenpass.settings

Configuration for Rosenpass, see **https://rosenpass.eu/** for further information.

Type: open submodule of (TOML value)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/rosenpass.nix>

services.rosenpass.settings.listen

List of local endpoints to listen for connections.

Type: list of string

Default:

```
[ ]
```

Example:

```
[ "0.0.0.0:10000" ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/rosenpass.nix>

services.rosenpass.settings.peers

List of peers to exchange keys with.

Type: list of (open submodule of (TOML value))

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/rosenpass.nix>

services.rosenpass.settings.peers.*.device

Name of the local WireGuard interface to use for this peer.

Type: string

Default:

```
config.services.rosenpass.defaultDevice
```

Declared by:

<nixpkgs/nixos/modules/services/networking/rosenpass.nix>

services.rosenpass.settings.peers.*.endpoint
Endpoint of the remote Rosenpass peer.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/rosenpass.nix>

services.rosenpass.settings.peers.*.peer
WireGuard public key corresponding to the remote Rosenpass peer.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/rosenpass.nix>

services.rosenpass.settings.peers.*.public_key
Path to a file containing the public key of the remote Rosenpass peer.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/networking/rosenpass.nix>

services.rosenpass.settings.public_key
Path to a file containing the public key of the local Rosenpass peer. Generate this by running **rosenpass gen-keys**.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/networking/rosenpass.nix>

services.rosenpass.settings.secret_key
Path to a file containing the secret key of the local Rosenpass peer. Generate this by running **rosenpass gen-keys**.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/networking/rosenpass.nix>

services.rosenpass.settings.verbosity
Verbosity of output produced by the service.

Type: one of “Verbose”, “Quiet”

Default:

```
"Quiet"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/rosenpass.nix>

services.roundcube.enable
Whether to enable roundcube.

Also enables nginx virtual host management. Further nginx configuration can be done by adapting ‘services.nginx.virtualHosts.<name>’. See **services.nginx.virtualHosts** for further information.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/mail/roundcube.nix>

services.roundcube.package
The roundcube package to use.

Type: package

Default:

```
pkgs.roundcube
```

Example:

```
roundcube.withPlugins (plugins: [ plugins.persistent_login ])
```

Declared by:
<nixpkgs/nixos/modules/services/mail/roundcube.nix>

services.roundcube.configureNginx
Configure nginx as a reverse proxy for roundcube.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/roundcube.nix>

services.roundcube.database.dbname
Name of the postgresql database

Type: string

Default:

```
"roundcube"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/roundcube.nix>

services.roundcube.database.host
Host of the postgresql server. If this is not set to ‘localhost’, you have to create the postgresql user and database yourself, with appropriate permissions.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/roundcube.nix>

services.roundcube.database.password
Password for the postgresql connection. Do not use: the password will be stored world readable in the store; use ‘passwordFile’ instead.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/mail/roundcube.nix>

services.roundcube.database.passwordFile
Password file for the postgresql connection. Must be formatted according to PostgreSQL .pgpass standard (see **https://www.postgresql.org/docs/current/libpq-pgpass.html**) but only one line, no comments and readable by user 'nginx'. Ignored if 'database.host' is set to 'localhost', as peer authentication will be used.

Type: absolute path

Example:

```
pkgs.writeText "roundcube-postgres-passwd.txt" ''
  hostname:port:database:username:password
```

Declared by:
<nixpkgs/nixos/modules/services/mail/roundcube.nix>

services.roundcube.database.username
Username for the postgresql connection. If 'database.host' is set to 'localhost', a unix user and group of the same name will be created as well.

Type: string

Default:

```
"roundcube"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/roundcube.nix>

services.roundcube.dicts
List of aspell dictionaries for spell checking. If empty, spell checking is disabled.

Type: list of package

Default:

```
[ ]
```

Example:

```
with pkgs.aspellDicts; [ en fr de ]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/roundcube.nix>

services.roundcube.extraConfig
Extra configuration for roundcube webmail instance

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/mail/roundcube.nix>

services.roundcube.hostName
Hostname to use for the nginx vhost

Type: string

Example:

```
"webmail.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/roundcube.nix>

services.roundcube.maxAttachmentSize
The maximum attachment size in MB. [upstream issue comment]: https://github.com/roundcube/roundcubemail/issues/7979#issuecomment−808879209

Note
Since there is some overhead in base64 encoding applied to attachments, + 37% will be added to the value set in this option in order to offset the overhead. For example, setting ‘maxAttachmentSize’ to ‘100’ would result in ‘137M’ being the real value in the configuration. See [upstream issue comment] for more details on the motivations behind this.

Type: signed integer

Default:

```
18
```

Declared by:
<nixpkgs/nixos/modules/services/mail/roundcube.nix>

services.roundcube.plugins
List of roundcube plugins to enable. Currently, only those directly shipped with Roundcube are supported.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/roundcube.nix>

services.routedns.enable
Whether to enable RouteDNS − DNS stub resolver, proxy and router.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/routedns.nix>

services.routedns.package
The routedns package to use.

Type: package

Default:

```
pkgs.routedns
```

Declared by:
<nixpkgs/nixos/modules/services/networking/routedns.nix>

services.routedns.configFile

Path to RouteDNS TOML configuration file.

Type: absolute path

Default:

```
"A RouteDNS configuration file automatically generated by values fr \
om services.routedns.*"
```

Example:

```
"${pkgs.routedns}/cmd/routedns/example-config/use-case-1.toml"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/routedns.nix>

services.routedns.settings

Configuration for RouteDNS, see **https://github.com/folbricht/routedns/blob/master/doc/configuration.md** for more information.

Type: TOML value

Example:

```
{
  resolvers.cloudflare-dot = {
    address = "1.1.1.1:853";
    protocol = "dot";
  };
  groups.cloudflare-cached = {
    type = "cache";
    resolvers = ["cloudflare-dot"];
  };
  listeners.local-udp = {
    address = "127.0.0.1:53";
    protocol = "udp";
    resolver = "cloudflare-cached";
  };
  listeners.local-tcp = {
    address = "127.0.0.1:53";
    protocol = "tcp";
    resolver = "cloudflare-cached";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/routedns.nix>

services.routinator.enable

Whether to enable Routinator 3000.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/routinator.nix>

services.routinator.package
The routinator package to use.

Type: package

Default:

```
pkgs.routinator
```

Declared by:
<nixpkgs/nixos/modules/services/networking/routinator.nix>

services.routinator.extraArgs
Extra arguments passed to routinator, see **https://routinator.docs.nlnetlabs.nl/en/stable/manual-page.html#options** for options.";

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--no-rir-tals"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/routinator.nix>

services.routinator.extraServerArgs
Extra arguments passed to the server subcommand, see **https://routinator.docs.nlnetlabs.nl/en/stable/manual-page.html#subcmd-server** for options.";

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--rtr-client-metrics"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/routinator.nix>

services.routinator.settings
Configuration for Routinator 3000, see **https://routinator.docs.nlnetlabs.nl/en/stable/manual-page.html#configuration-file** for options.

Type: open submodule of (TOML value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/routinator.nix>

services.routinator.settings.expire

An integer value specifying the number of seconds an RTR client is requested to use a data set if it cannot get an update before throwing it away and continuing with no data at all.

Type: null or signed integer

Default:

```
7200
```

Declared by:

<nixpkgs/nixos/modules/services/networking/routinator.nix>

services.routinator.settings.http−listen

An array of string values each providing an address and port on which the HTTP server should listen. Address and port should be separated by a colon. IPv6 address should be enclosed in square brackets.

Type: null or (list of string)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/routinator.nix>

services.routinator.settings.log

A string specifying where to send log messages to. See, **https://routinator.docs.nlnetlabs.nl/en/stable/manual−page.html#term−log**

Type: null or one of “default”, “stderr”, “syslog”, “file”

Default:

```
"default"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/routinator.nix>

services.routinator.settings.log−file

A string value containing the path to a file to which log messages will be appended if the log configuration value is set to file. In this case, the value is mandatory.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/routinator.nix>

services.routinator.settings.log−level

A string value specifying the maximum log level for which log messages should be emitted. See, **https://routinator.docs.nlnetlabs.nl/en/stable/manual−page.html#logging**

Type: null or one of “error”, “warn”, “info”, “debug”

Default:

```
"warn"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/routinator.nix>

services.routinator.settings.refresh

An integer value specifying the number of seconds Routinator should wait between consecutive validation runs in server mode. The next validation run will happen earlier, if objects expire earlier.

Type: null or signed integer

Default:

```
600
```

Declared by:

<nixpkgs/nixos/modules/services/networking/routinator.nix>

services.routinator.settings.repository−dir

The path where the collected RPKI data is stored.

Type: absolute path

Default:

```
"/var/lib/routinator/rpki-cache"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/routinator.nix>

services.routinator.settings.retry

An integer value specifying the number of seconds an RTR client is requested to wait after it failed to receive a data set.

Type: null or signed integer

Default:

```
600
```

Declared by:

<nixpkgs/nixos/modules/services/networking/routinator.nix>

services.routinator.settings.rtr−listen

An array of string values each providing an address and port on which the RTR server should listen in TCP mode. Address and port should be separated by a colon. IPv6 address should be enclosed in square brackets.

Type: null or (list of string)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/routinator.nix>

services.rpcbind.enable

Whether to enable ‘rpcbind’, an ONC RPC directory service notably used by NFS and NIS, and which can be queried using the **rpcinfo**(1) command. ‘rpcbind’ is a replacement for ‘portmap’.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/rpcbind.nix>

services.rqbit.enable

Whether to enable rqbit BitTorrent daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/rqbit.nix>

services.rqbit.package

The rqbit package to use.

Type: package

Default:

```
pkgs.rqbit
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/rqbit.nix>

services.rqbit.downloadDir

Directory where to download torrents.

Type: absolute path

Default:

```
"/var/lib/rqbit/downloads"
```

Example:

```
"/mnt/storage/torrents"
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/rqbit.nix>

services.rqbit.group

Group account under which rqbit runs.

Type: string

Default:

```
"rqbit"
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/rqbit.nix>

services.rqbit.httpHost

The listen host for the HTTP API.

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/rqbit.nix>

services.rqbit.httpPort
The listen port for the HTTP API.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3030
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/rqbit.nix>

services.rqbit.openFirewall
Whether to enable opening of the HTTP and Peer ports in the firewall.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/rqbit.nix>

services.rqbit.peerPort
The port to listen for incoming BitTorrent peer connections (TCP and uTP).

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
4240
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/rqbit.nix>

services.rqbit.user
User account under which rqbit runs.

Type: string

Default:

```
"rqbit"
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/rqbit.nix>

services.rshim.enable
Whether to enable user−space rshim driver for the BlueField SoC.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/rshim.nix>

services.rshim.package
The rshim−user−space package to use.

Type: package

Default:

```
pkgs.rshim-user-space
```

Declared by:
<nixpkgs/nixos/modules/services/misc/rshim.nix>

services.rshim.backend
Specify the backend to attach. If not specified, the driver will scan all rshim backends unless the ‘device’ option is given with a device name specified.

Type: null or one of “usb”, “pcie”, “pcie_lf”

Default:

```
null
```

Example:

```
"pcie"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/rshim.nix>

services.rshim.config
Structural setting for the rshim configuration file (‘/etc/rshim.conf’). It can be used to specify the static mapping between rshim devices and rshim names. It can also be used to ignore some rshim devices.

Type: attribute set of (signed integer or string)

Default:

```
{ }
```

Example:

```
{
  DISPLAY_LEVEL = 0;
  none = "usb-1-1.4";
  rshim0 = "usb-2-1.7";
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/rshim.nix>

services.rshim.device
Specify the device name to attach. The backend driver can be deduced from the device name, thus the ‘backend’ option is not needed.

Type: null or string

Default:

```
null
```

Example:

```
"pcie-04:00.2"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/rshim.nix>

services.rshim.index
Specify the index to create device path '/dev/rshim<index>'. It's also used to create network interface name 'tmfifo_net<index>'. This option is needed when multiple rshim instances are running.

Type: null or signed integer

Default:

```
null
```

Example:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/misc/rshim.nix>

services.rshim.log−level
Specify the log level (0:none, 1:error, 2:warning, 3:notice, 4:debug).

Type: integer between 0 and 4 (both inclusive)

Default:

```
2
```

Example:

```
4
```

Declared by:
<nixpkgs/nixos/modules/services/misc/rshim.nix>

services.rsnapshot.enable
Whether to enable rsnapshot backups.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/backup/rsnapshot.nix>

services.rsnapshot.enableManualRsnapshot
Whether to enable manual usage of the rsnapshot command with this module.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/backup/rsnapshot.nix>

services.rsnapshot.cronIntervals

Periodicity at which intervals should be run by cron. Note that the intervals also have to exist in configuration as retain options.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  daily = "50 21 * * *";
  hourly = "0 * * * *";
}
```

Declared by:

<nixpkgs/nixos/modules/services/backup/rsnapshot.nix>

services.rsnapshot.extraConfig

rsnapshot configuration option in addition to the defaults from rsnapshot and this module.

Note that tabs are required to separate option arguments, and directory names require trailing slashes.

The “extra” in the option name might be a little misleading right now, as it is required to get a functional configuration.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
  retains     hourly      24
  retain      daily 365
  backup      /home/      localhost/
```

Declared by:

<nixpkgs/nixos/modules/services/backup/rsnapshot.nix>

services.rspamd.enable

Whether to enable rspamd, the Rapid spam filtering system.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/mail/rspamd.nix>

services.rspamd.package

The rspamd package to use.

Type: package

Default:

```
pkgs.rspamd
```

Declared by:
<nixpkgs/nixos/modules/services/mail/rspamd.nix>

services.rspamd.debug
Whether to run the rspamd daemon in debug mode.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/mail/rspamd.nix>

services.rspamd.extraArgs
A list of extra command line arguments to pass to rspamd. Check ‘rspamd −−help’ for possible arguments.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--var=RBL_API_KEY=\${RBL_API_KEY}"
]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/rspamd.nix>

services.rspamd.extraConfig
Extra configuration to add at the end of the rspamd configuration file.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/mail/rspamd.nix>

services.rspamd.group
Group to use when no root privileges are required.

Type: string

Default:

```
"rspamd"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/rspamd.nix>

services.rspamd.localLuaRules
Path of file to link to */etc/rspamd/rspamd.local.lua* for local rules written in Lua

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/mail/rspamd.nix>

services.rspamd.locals
Local configuration files, written into */etc/rspamd/local.d/{name}*.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{ "redis.conf".source = "/nix/store/.../etc/dir/redis.conf";
  "arc.conf".text = "allow_envfrom_empty = true;";
}
```

Declared by:
<nixpkgs/nixos/modules/services/mail/rspamd.nix>

services.rspamd.locals.<name>.enable
Whether this file locals should be generated. This option allows specific locals files to be disabled.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/rspamd.nix>

services.rspamd.locals.<name>.source
Path of the source file.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/mail/rspamd.nix>

services.rspamd.locals.<name>.text
Text of the file.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/mail/rspamd.nix>

services.rspamd.overrides
Overridden configuration files, written into */etc/rspamd/override.d/{name}*.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{ "redis.conf".source = "/nix/store/.../etc/dir/redis.conf";
  "arc.conf".text = "allow_envfrom_empty = true;";
}
```

Declared by:
<nixpkgs/nixos/modules/services/mail/rspamd.nix>

services.rspamd.overrides.<name>.enable
Whether this file overrides should be generated. This option allows specific overrides files to be disabled.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/rspamd.nix>

services.rspamd.overrides.<name>.source
Path of the source file.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/mail/rspamd.nix>

services.rspamd.overrides.<name>.text
Text of the file.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/mail/rspamd.nix>

services.rspamd.postfix.enable
Add rspamd milter to postfix main.conf

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/mail/rspamd.nix>

services.rspamd.postfix.config
Addon to postfix configuration

Type: attribute set of (boolean or string or list of string)

Default:

```
{
  non_smtpd_milters = [
    "unix:/run/rspamd/rspamd-milter.sock"
  ];
  smtpd_milters = [
    "unix:/run/rspamd/rspamd-milter.sock"
  ];
}
```

Declared by:
<nixpkgs/nixos/modules/services/mail/rspamd.nix>

services.rspamd.user

User to use when no root privileges are required.

Type: string

Default:

```
"rspamd"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/rspamd.nix>

services.rspamd.workers

Attribute set of workers to start.

Type: attribute set of (submodule)

Default:

```
{
  controller = { };
  normal = { };
}
```

Example:

```
{
  normal = {
    includes = [ "$CONFDIR/worker-normal.inc" ];
    bindSockets = [{
      socket = "/run/rspamd/rspamd.sock";
      mode = "0660";
      owner = "${config.services.rspamd.user}";
      group = "${config.services.rspamd.group}";
    }];
  };
  controller = {
    includes = [ "$CONFDIR/worker-controller.inc" ];
    bindSockets = [ "[::1]:11334" ];
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/mail/rspamd.nix>

services.rspamd.workers.<name>.enable

Whether to run the rspamd worker.

Type: null or boolean

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/mail/rspamd.nix>

services.rspamd.workers.<name>.bindSockets

List of sockets to listen, in format acceptable by rspamd

Type: list of (string or (submodule))

Default:

```
[ ]
```

Example:

```
[
  {
    mode = "0666";
    owner = "rspamd";
    socket = "/run/rspamd.sock";
  }
  "*:11333"
]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/rspamd.nix>

services.rspamd.workers.<name>.count
Number of worker instances to run

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/mail/rspamd.nix>

services.rspamd.workers.<name>.extraConfig
Additional entries to put verbatim into worker section of rspamd config file.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/mail/rspamd.nix>

services.rspamd.workers.<name>.includes
List of files to include in configuration

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/rspamd.nix>

services.rspamd.workers.<name>.name
Name of the worker

Type: null or string

Default:

```
"‹name›"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/rspamd.nix>

services.rspamd.workers.<name>.type

The type of this worker. The type ‘proxy’ is deprecated and only kept for backwards compatibility and should be replaced with ‘rspamd_proxy’.

Type: null or one of “normal”, “controller”, “fuzzy”, “rspamd_proxy”, “lua”, “proxy”

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/mail/rspamd.nix>

services.rspamd−trainer.enable

Whether to enable Spam/ham trainer for rspamd.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/mail/rspamd−trainer.nix>

services.rspamd−trainer.secrets

A list of files containing the various secrets. Should be in the format expected by systemd’s ‘EnvironmentFile’ directory. For the IMAP account password use ‘PASSWORD = mypassword’.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/mail/rspamd−trainer.nix>

services.rspamd−trainer.settings

IMAP authentication configuration for rspamd−trainer. For supplying the IMAP password, use the ‘secrets’ option.

Type: open submodule of (TOML value)

Default:

```
{ }
```

Example:

```
{
  HOST = "localhost";
  USERNAME = "spam@example.com";
  INBOXPREFIX = "INBOX/";
}
```

Declared by:

<nixpkgs/nixos/modules/services/mail/rspamd−trainer.nix>

services.rss−bridge.enable

Whether to enable rss−bridge.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/rss−bridge.nix>

services.rss−bridge.package

The rss−bridge package to use.

Type: package

Default:

```
pkgs.rss−bridge
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/rss−bridge.nix>

services.rss−bridge.config

Attribute set of arbitrary config options. Please consult the documentation at the **wiki** and **sample config** to see a list of available options.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Example:

```
{
  system.enabled_bridges = [ "*" ];
  error = {
    output = "http";
    report_limit = 5;
  };
  FileCache = {
    enable_purge = true;
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/rss−bridge.nix>

services.rss−bridge.config.FileCache.path

Directory where to store cache files (if cache.type = “file”).

Type: string

Default:

```
${config.services.rss−bridge.dataDir}/cache/
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/rss−bridge.nix>

services.rss−bridge.config.system.enabled_bridges
Only enabled bridges are available for feed production

Type: null or string or list of string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/rss−bridge.nix>

services.rss−bridge.dataDir
Location in which cache directory will be created. You can put ‘config.ini.php’ in here.

Type: string

Default:

```
"/var/lib/rss−bridge"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/rss−bridge.nix>

services.rss−bridge.group
The group under which the web application runs.

Type: string

Default:

```
"{option}‘config.services.rss−bridge.webserver‘ or \"rss−bridge \
e""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/rss−bridge.nix>

services.rss−bridge.pool
Name of phpfpm pool that is used to run web−application. If ‘null’ specified none will be created, otherwise automatically created with default values.

Type: null or string

Default:

```
"rss−bridge"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/rss−bridge.nix>

services.rss−bridge.user
The user account under which both the service and the web application run.

Type: string

Default:

```
"{option}‘config.services.rss−bridge.webserver‘ or \"rss−bridge \
e""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/rss−bridge.nix>

services.rss−bridge.virtualHost

Name of the nginx or caddy virtualhost to use and setup. If null, do not setup any virtualhost.

Type: null or string

Default:

```
"rss−bridge"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/rss−bridge.nix>

services.rss−bridge.webserver

Type of virtualhost to use and setup. If null, do not setup any virtualhost.

Type: null or one of “nginx”, “caddy”

Default:

```
"nginx"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/rss−bridge.nix>

services.rss2email.enable

Whether to enable rss2email.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/mail/rss2email.nix>

services.rss2email.config

The configuration to give rss2email.

Default will use system−wide ‘sendmail’ to send the email. This is rss2email’s default when running ‘r2e new’.

This set contains key−value associations that will be set in the ‘[DEFAULT]’ block along with the ‘to’ parameter.

See ‘man r2e’ for more information on which parameters are accepted.

Type: attribute set of (string or signed integer or boolean)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/mail/rss2email.nix>

services.rss2email.feeds

The feeds to watch.

Type: attribute set of (submodule)

Declared by:

<nixpkgs/nixos/modules/services/mail/rss2email.nix>

services.rss2email.feeds.<name>.to
Email address to which to send feed items.

If ‘null’, this will not be set in the configuration file, and rss2email will make it default to ‘rss2email.to’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/mail/rss2email.nix>

services.rss2email.feeds.<name>.url
The URL at which to fetch the feed.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/mail/rss2email.nix>

services.rss2email.interval
How often to check the feeds, in systemd interval format

Type: string

Default:

```
"12h"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/rss2email.nix>

services.rss2email.to
Mail address to which to send emails

Type: string

Declared by:
<nixpkgs/nixos/modules/services/mail/rss2email.nix>

services.rsshub.enable
Whether to enable RSSHub service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/rsshub.nix>

services.rsshub.package
The rsshub package to use.

Type: package

Default:

```
pkgs.rsshub
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/rsshub.nix>

services.rsshub.openFirewall
Whether to open the firewall for the specified port.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/rsshub.nix>

services.rsshub.redis.enable
Whether to enable Redis for RSSHub.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/rsshub.nix>

services.rsshub.redis.createLocally
Create and use a local Redis instance. Sets ‘services.redis.servers.rsshub’.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/rsshub.nix>

services.rsshub.redis.host
The Redis host.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/rsshub.nix>

services.rsshub.redis.port
The Redis port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
6379
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/rsshub.nix>

services.rsshub.secretFiles

Environment variables stored in files for secrets. See **https://docs.rsshub.app/deploy/config** for available options.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[ config.sops.secrets.rsshub.path ]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/rsshub.nix>

services.rsshub.settings

Environment variables for RSSHub. See **https://docs.rsshub.app/deploy/config** for available options.

Type: open submodule of attribute set of string

Default:

```
{ }
```

Example:

```
{
  REQUEST_TIMEOUT = "3000";
  REQUEST_RETRY = "10";
  PUPPETEER_EXECUTABLE_PATH = lib.getExe pkgs.chromium";
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/rsshub.nix>

services.rsshub.settings.LISTEN_INADDR_ANY

Listen to any address

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/rsshub.nix>

services.rsshub.settings.NO_LOGFILES

Print logs into stderr.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/rsshub.nix>

services.rsshub.settings.PORT

Listen on port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
1200
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/rsshub.nix>

services.rstudio−server.enable
Whether to enable RStudio server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/development/rstudio−server/default.nix>

services.rstudio−server.package
The rstudio−server package to use.

Type: package

Default:

```
pkgs.rstudio−server
```

Example:

```
rstudioServerWrapper.override { packages = [ pkgs.rPackages.ggplot2 \
 ]; }
```

Declared by:
<nixpkgs/nixos/modules/services/development/rstudio−server/default.nix>

services.rstudio−server.listenAddr
Address to listen on (www−address in rserver.conf).

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/development/rstudio−server/default.nix>

services.rstudio−server.rserverExtraConfig
Extra contents for rserver.conf.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/development/rstudio−server/default.nix>

services.rstudio−server.rsessionExtraConfig
Extra contents for resssion.conf.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/development/rstudio−server/default.nix>

services.rstudio−server.serverWorkingDir
Default working directory for server (server−working−dir in rserver.conf).

Type: string

Default:

```
"/var/lib/rstudio-server"
```

Declared by:
<nixpkgs/nixos/modules/services/development/rstudio−server/default.nix>

services.rsync.enable
Whether to enable periodic directory syncing via rsync.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/rsync.nix>

services.rsync.package
The rsync package to use.

Type: package

Default:

```
pkgs.rsync
```

Declared by:
<nixpkgs/nixos/modules/services/misc/rsync.nix>

services.rsync.jobs
Synchronization jobs to run.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/rsync.nix>

services.rsync.jobs.<name>.destination
Destination directory.

Type: string

Example:

```
"/srv/dst"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/rsync.nix>

services.rsync.jobs.<name>.group

The name of an existing user group under which the rsync process should run.

Type: string

Default:

```
"root"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/rsync.nix>

services.rsync.jobs.<name>.inhibit

Run the rsync process with an inhibition lock taken; see **systemd−inhibit**(1) for a list of possible operations.

Type: list of string matching the pattern ^[^:]+$

Default:

```
[ ]
```

Example:

```
[
  "sleep"
]
```

Declared by:

<nixpkgs/nixos/modules/services/misc/rsync.nix>

services.rsync.jobs.<name>.settings

Settings that should be passed to rsync via long options. See **rsync**(1) for available options.

Type: attribute set of (boolean or string or signed integer or floating point number or list of (boolean or string or signed integer or floating point number))

Default:

```
{ }
```

Example:

```
{
  archive = true;
  delete = true;
  mkpath = true;
  verbose = true;
}
```

Declared by:

<nixpkgs/nixos/modules/services/misc/rsync.nix>

services.rsync.jobs.<name>.sources

Source directories.

Type: non−empty (list of string)

Example:

```
[
  "/srv/src1/"
  "/srv/src2/"
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/rsync.nix>

services.rsync.jobs.<name>.timerConfig
When to run the job.

Type: null or (attribute set of (systemd option))

Default:

```
{
  OnCalendar = "daily";
  Persistent = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/rsync.nix>

services.rsync.jobs.<name>.user
The name of an existing user account under which the rsync process should run.

Type: string

Default:

```
"root"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/rsync.nix>

services.rsyncd.enable
Whether to enable the rsync daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/rsyncd.nix>

services.rsyncd.port
TCP port the daemon will listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
873
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/rsyncd.nix>

services.rsyncd.settings
Configuration for rsyncd. See **rsyncd.conf**(5).

Type: submodule

Default:

```
{ }
```

Example:

```
{
```

```
globalSection = {
  address = "0.0.0.0";
  gid = "nobody";
  "max connections" = 4;
  uid = "nobody";
  "use chroot" = true;
};
sections = {
  cvs = {
    "auth users" = [
      "tridge"
      "susan"
    ];
    comment = "CVS repository (requires authentication)";
    path = "/data/cvs";
    "secrets file" = "/etc/rsyncd.secrets";
  };
  ftp = {
    comment = "whole ftp area";
    path = "/var/ftp/./pub";
  };
};
}
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/rsyncd.nix>

services.rsyncd.settings.globalSection

global section of an INI file (attrs of INI atom (null, bool, int, float or string))

Type: section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/rsyncd.nix>

services.rsyncd.settings.sections

attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Type: attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/rsyncd.nix>

services.rsyncd.socketActivated

If enabled Rsync will be socket−activated rather than run persistently.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/rsyncd.nix>

services.rsyslogd.enable
Whether to enable syslogd. Note that systemd also logs syslog messages, so you normally don't need to run syslogd.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/logging/rsyslogd.nix>

services.rsyslogd.defaultConfig
The default *syslog.conf* file configures a fairly standard setup of log files, which can be extended by means of *extraConfig*.

Type: strings concatenated with "\n"

Default:

```
# "local1" is used for dhcpd messages.
local1.*                        −/var/log/dhcpd

mail.*                          −/var/log/mail

*.=warning;*.=err               −/var/log/warn
*.crit                           /var/log/warn

*.*;mail.none;local1.none       −/var/log/messages
```

Declared by:
<nixpkgs/nixos/modules/services/logging/rsyslogd.nix>

services.rsyslogd.extraConfig
Additional text appended to *syslog.conf*, i.e. the contents of *defaultConfig*.

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
"news.* −/var/log/news"
```

Declared by:
<nixpkgs/nixos/modules/services/logging/rsyslogd.nix>

services.rsyslogd.extraParams
Additional parameters passed to **rsyslogd**.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "−m 0"
]
```

Declared by:
<nixpkgs/nixos/modules/services/logging/rsyslogd.nix>

services.rtorrent.enable
Whether to enable rtorrent.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/rtorrent.nix>

services.rtorrent.package
The rtorrent package to use.

Type: package

Default:

```
pkgs.rtorrent
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/rtorrent.nix>

services.rtorrent.configText
The content of *rtorrent.rc*. The **modernized configuration template** with the values specified in this module will be prepended using mkBefore. You can use mkForce to overwrite the config completely.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/rtorrent.nix>

services.rtorrent.dataDir
The directory where rtorrent stores its data files.

Type: string

Default:

```
"/var/lib/rtorrent"
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/rtorrent.nix>

services.rtorrent.dataPermissions
Unix Permissions in octal on the rtorrent directory.

Type: string

Default:

```
"0750"
```

Example:

```
"0755"
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/rtorrent.nix>

services.rtorrent.downloadDir
Where to put downloaded files.

Type: string

Default:

```
"${config.services.rtorrent.dataDir}/download"
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/rtorrent.nix>

services.rtorrent.group
Group under which rtorrent runs.

Type: string

Default:

```
"rtorrent"
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/rtorrent.nix>

services.rtorrent.openFirewall
Whether to open the firewall for the port in **services.rtorrent.port**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/rtorrent.nix>

services.rtorrent.port
The rtorrent port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
50000
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/rtorrent.nix>

services.rtorrent.rpcSocket
RPC socket path.

Type: string *(read only)*

Default:

```
"/run/rtorrent/rpc.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/rtorrent.nix>

services.rtorrent.user
User account under which rtorrent runs.

Type: string

Default:

```
"rtorrent"
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/rtorrent.nix>

services.rumno.enable
Whether to enable rumno visual pop−up notification manager.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/rumno.nix>

services.rumno.package
The rumno package to use.

Type: package

Default:

```
pkgs.rumno
```

Declared by:
<nixpkgs/nixos/modules/services/misc/rumno.nix>

services.rumno.extraArgs
Extra command−line arguments to pass to the rumno daemon.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--verbose"
  "--config"
  "/etc/rumno/config.toml"
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/rumno.nix>

services.rustdesk−server.enable
Whether to enable RustDesk, a remote access and remote control software, allowing maintenance of computers and other devices.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/rustdesk-server.nix>

services.rustdesk-server.package
The rustdesk-server package to use.

Type: package

Default:

```
pkgs.rustdesk-server
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/rustdesk-server.nix>

services.rustdesk-server.openFirewall
Open the connection ports. TCP (21115, 21116, 21117, 21118, 21119) UDP (21116)

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/rustdesk-server.nix>

services.rustdesk-server.relay.enable
Whether to enable the RustDesk relay server.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/rustdesk-server.nix>

services.rustdesk-server.relay.extraArgs
A list of extra command line arguments to pass to the ‘hbbr’ process.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-k"
  "_"
]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/rustdesk-server.nix>

services.rustdesk-server.signal.enable
Whether to enable the RustDesk signal server.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/rustdesk-server.nix>

services.rustdesk-server.signal.extraArgs
A list of extra command line arguments to pass to the ‘hbbs’ process.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-k"
  "_"
]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/rustdesk-server.nix>

services.rustdesk-server.signal.relayHosts
The relay server IP addresses or DNS names of the RustDesk relay.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/rustdesk-server.nix>

services.rustus.enable
Whether to enable TUS protocol implementation in Rust.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/rustus.nix>

services.rustus.cors
list of origins allowed to upload

Type: list of string

Default:

```
[
  "*"
]
```

Example:

```
[
  "*.staging.domain"
  "*.prod.domain"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/rustus.nix>

services.rustus.disable_health_access_logs
disable access log for /health endpoint

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/rustus.nix>

services.rustus.host
The host that rustus will connect to.

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/rustus.nix>

services.rustus.info_storage
Info storages are used to store information about file uploads. These storages must be persistent, because every time chunk is uploaded rustus updates information about upload. And when someone wants to download file, information about it requested from storage to get actual path of an upload.

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/rustus.nix>

services.rustus.info_storage.dir
directory to store info about uploads

Type: string

Default:

```
"/var/lib/rustus"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/rustus.nix>

services.rustus.info_storage.type
Type of info storage to use

Type: value “file−info−storage” (singular enum)

Default:

```
"file-info-storage"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/rustus.nix>

services.rustus.log_level
Desired log level

Type: one of “DEBUG”, “INFO”, “ERROR”

Default:

```
"INFO"
```

Example:

```
"ERROR"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/rustus.nix>

services.rustus.max_body_size
Maximum body size in bytes

Type: string

Default:

```
"10000000"
```

Example:

```
"100000000"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/rustus.nix>

services.rustus.port
The port that rustus will connect to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
1081
```

Example:

```
1081
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/rustus.nix>

services.rustus.remove_parts
remove parts files after successful concatenation

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/rustus.nix>

services.rustus.storage

Storages are used to actually store your files. You can configure where you want to store files.

Type: submodule

Default:

```
{ }
```

Example:

```
{
  type = "hybrid-s3"
  s3_access_key_file = konfig.age.secrets.R2_ACCESS_KEY.path;
  s3_secret_key_file = konfig.age.secrets.R2_SECRET_KEY.path;
  s3_bucket = "my_bucket";
  s3_url = "https://s3.example.com";
}
```

Declared by:

<nixpkgs/nixos/modules/services/web-servers/rustus.nix>

services.rustus.storage.data_dir

path to the local directory where all files are stored

Type: string

Default:

```
"/var/lib/rustus"
```

Declared by:

<nixpkgs/nixos/modules/services/web-servers/rustus.nix>

services.rustus.storage.dir_structure

pattern of a directory structure locally and on s3

Type: string

Default:

```
"{year}/{month}/{day}"
```

Declared by:

<nixpkgs/nixos/modules/services/web-servers/rustus.nix>

services.rustus.storage.force_sync

calls fsync system call after every write to disk in local storage

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web-servers/rustus.nix>

services.rustus.storage.s3_access_key_file

File path that contains the S3 access key.

Type: string

Declared by:

<nixpkgs/nixos/modules/services/web-servers/rustus.nix>

services.rustus.storage.s3_bucket
S3 bucket.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−servers/rustus.nix>

services.rustus.storage.s3_region
S3 region name.

Type: string

Default:

```
"us−east−1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/rustus.nix>

services.rustus.storage.s3_secret_key_file
File path that contains the S3 secret key.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/web−servers/rustus.nix>

services.rustus.storage.s3_url
S3 url.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−servers/rustus.nix>

services.rustus.storage.type
Type of storage to use

Type: one of “file−storage”, “hybrid−s3”

Declared by:
<nixpkgs/nixos/modules/services/web−servers/rustus.nix>

services.rustus.tus_extensions
Since TUS protocol offers extensibility you can turn off some protocol extensions.

Type: list of (one of “getting”, “creation”, “termination”, “creation−with−upload”, “creation−defer−length”, “concatenation”, “checksum”)

Default:

```
[
  "getting"
  "creation"
  "termination"
  "creation−with−upload"
  "creation−defer−length"
  "concatenation"
  "checksum"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/rustus.nix>

services.rustus.url
url path for uploads

Type: string

Default:

```
"/files"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/rustus.nix>

services.rutorrent.enable
Whether to enable ruTorrent.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/rutorrent.nix>

services.rutorrent.dataDir
Storage path of ruTorrent.

Type: string

Default:

```
"/var/lib/rutorrent"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/rutorrent.nix>

services.rutorrent.group
Group which runs the ruTorrent service.

Type: string

Default:

```
"rutorrent"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/rutorrent.nix>

services.rutorrent.hostName
FQDN for the ruTorrent instance.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/rutorrent.nix>

services.rutorrent.nginx.enable
Whether to enable nginx virtual host management. Further nginx configuration can be done by adapting <literal>services.nginx.virtualHosts.<name></literal>. See <xref linkend="opt−services.nginx.virtualHosts"/> for further information.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/rutorrent.nix>

services.rutorrent.nginx.exposeInsecureRPC2mount
If you do not enable one of the <literal>rpc</literal> or <literal>httprpc</literal> plugins you need to expose an RPC mount through scgi using this option. Warning: This allow to run arbitrary commands, as the rtorrent user, so make sure to use authentification. The simplest way would be to use the <literal>services.nginx.virtualHosts.<name>.basicAuth</literal> option.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/rutorrent.nix>

services.rutorrent.plugins
List of plugins to enable. See the list of <link xlink:href="https://github.com/Novik/ruTorrent/wiki/Plugins#currently−there−are−the−following−plugins">available plugins</link>. Note: the <literal>unpack</literal> plugin needs the nonfree <literal>unrar</literal> package. You need to either enable one of the <literal>rpc</literal> or <literal>httprpc</literal> plugin or enable the <xref linkend="opt−services.rutorrent.nginx.exposeInsecureRPC2mount"/> option.

Type: list of (string or package)

Default:

```
[
  "httprpc"
]
```

Example:

```
[ "httprpc" "data" "diskspace" "edit" "erasedata" "theme" "trafic"  \
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/rutorrent.nix>

services.rutorrent.poolSettings
Options for ruTorrent's PHP pool. See the documentation on <literal>php−fpm.conf</literal> for details on configuration directives.

Type: attribute set of (string or signed integer or boolean)

Default:

```
{
  pm = "dynamic";
  "pm.max_children" = 32;
  "pm.max_requests" = 500;
  "pm.max_spare_servers" = 4;
  "pm.min_spare_servers" = 2;
  "pm.start_servers" = 2;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/rutorrent.nix>

services.rutorrent.rpcSocket
Path to rtorrent rpc socket.

Type: string

Default:

```
"config.services.rtorrent.rpcSocket"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/rutorrent.nix>

services.rutorrent.user
User which runs the ruTorrent service.

Type: string

Default:

```
"rutorrent"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/rutorrent.nix>

services.sabnzbd.enable
Whether to enable the sabnzbd server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.sabnzbd.package
The sabnzbd package to use.

Type: package

Default:

```
pkgs.sabnzbd
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.sabnzbd.allowConfigWrite
By default we create the sabnzbd configuration read−only, which keeps the nixos configuration as the single source of truth. If you want to enable configuration of sabnzbd via the web interface or use options that require a writeable configuration, such as quota tracking, enable this option.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.sabnzbd.configFile

Path to config file (deprecated, use ‘settings’ instead and set this value to null)

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.sabnzbd.group

Group to run the service as

Type: string

Default:

```
"sabnzbd"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.sabnzbd.openFirewall

Open ports in the firewall for the sabnzbd web interface

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.sabnzbd.secretFiles

Path to a list of ini file containing confidential settings such as credentials. Settings here will be merged with the rest of the configuration (with the secret settings taking precedence in case of conflicts, and files that occur later in this list taking precedence over those that occur earlier). Recommended settings:

- misc.api_key, misc.nzb_key, misc.username, misc.password
- misc.email_account, misc.email_pwd if email alerts are enabled
- servers.<name>.username, servers.<name>.password

Type: list of absolute path

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.sabnzbd.settings

The sabnzbd configuration (see also **sabnzbd’s wiki** for extra documentation)

Type: open submodule of attribute set of (ConfigObj type)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.sabnzbd.settings.misc.enable_https

Whether to enable HTTPS for the web UI

Type: boolean

Default:

```
"cfg.settings.misc.https_cert != null"
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.sabnzbd.settings.misc.bandwidth_max

Maximum bandwidth in bytes(!)/sec (supports prefixes). Use in conjunction with 'bandwidth_perc' to set a bandwidth limit. Empty string disables limit.

Type: string

Default:

```
""
```

Example:

```
"50MB/s"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.sabnzbd.settings.misc.bandwidth_perc

Percentage of 'bandwidth_max' that sabnzbd is allowed to use. 0 means no limit.

Type: signed integer

Default:

Example:

```
50
```

Declared by:

<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.sabnzbd.settings.misc.cache_limit

Size of the RAM cache, in bytes (prefixes supported). Sabnzbd recommends 25% of available RAM. Empty means no cache.

Type: string

Default:

```
""
```

Example:

```
"500M"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.sabnzbd.settings.misc.email_endjob
Whether to send emails on job completion. Values are: 0, ‘never’ – Never 1, ‘always’ – Always 2, ‘on error’ – On error

Type: (one of 1, 0, 2) or (one of “always”, “never”, “on error”) convertible to it

Default:

```
"if cfg.settings.misc.email_server != \"\" then \"on error\" el \
se \"never\""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.sabnzbd.settings.misc.email_from
‘From:’ field for emails (needs to be an address)

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.sabnzbd.settings.misc.email_full
Whether to send alerts for full disks

Type: boolean

Default:

```
"cfg.settings.misc.email_server != \"\""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.sabnzbd.settings.misc.email_rss
Whether to send alerts for jobs added by RSS feeds

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.sabnzbd.settings.misc.email_server
SMTP server for email alerts (server:host)

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.sabnzbd.settings.misc.email_to
Receiving address for email alerts

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.sabnzbd.settings.misc.host
Address for the Web UI to listen on for incoming connections.

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.sabnzbd.settings.misc.html_login
Prompt for login with an html login mask if enabled, otherwise prompt for basic auth (useful for SSO)

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.sabnzbd.settings.misc.https_cert
Path to the TLS certificate for the web UI. If not set and https is enabled, a self−signed certificate will be generated.

Type: null or absolute path

Default:

```
null
```

Example:

```
${config.acme.certs.${domain}.directory}/fullchain.pem
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.sabnzbd.settings.misc.https_key
Path to the TLS key for the web UI. If not set and https is enabled, a self−signed certificate will be generated

Type: null or absolute path

Default:

```
null
```

Example:

```
${config.acme.certs.${domain}.directory}/key.pem
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.sabnzbd.settings.misc.inet_exposure

Restrictions for access from non−local IP addresses. Values are: 0, ‘none’ – no access 1, ‘api (add nzbs)’ – api access only, only add nzb files 2, ‘api (no config)’ – api access only, config changes not allowed 3, ‘api (full)’ – api access only, full api access 4, ‘api+web (auth needed)’ – api and web ui, login required always 5, ‘api+web (locally no auth)’ – api and web ui, login required from non−local IPs only

Type: (one of 1, 3, 2, 4, 5, 0) or (one of “api (add nzbs)”, “api (full)”, “api (no config)”, “api+web (auth needed)”, “api+web (locally no auth)”, “none”) convertible to it

Default:

```
"none"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.sabnzbd.settings.misc.port

Port for the Web UI to listen on for incoming connections.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Example:

```
12345
```

Declared by:

<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.sabnzbd.settings.ntfosd

NotifyOSD settings

Type: open submodule of attribute set of (ConfigObj type)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.sabnzbd.settings.ntfosd.ntfosd_enable

Whether to enable NotifyOSD alerts. Does not really make sense in a server environment, hence we default to false despite upstream’s default true.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.sabnzbd.settings.servers

Usenet provider specification

Type: attribute set of (open submodule of attribute set of (ConfigObj type))

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.sabnzbd.settings.servers.<name>.enable
Enable this server by default

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.sabnzbd.settings.servers.<name>.connections
Number of parallel connections permitted by the server.

Type: signed integer

Default:

```
8
```

Example:

```
50
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.sabnzbd.settings.servers.<name>.displayname
Human−friendly description of the server

Type: string

Example:

```
"Example News Provider"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.sabnzbd.settings.servers.<name>.expire_date
If Notifications are enabled and an expiry date is set, warn 5 days before expiry. This setting does not automatically disable the server. Expected format: yyyy−mm−dd

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.sabnzbd.settings.servers.<name>.host
Hostname of the server

Type: string

Example:

```
"news.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.sabnzbd.settings.servers.<name>.name
The name of the server

Type: string

Example:

```
"Example News Provider"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.sabnzbd.settings.servers.<name>.optional
In case of connection failures, temporarily disable this server. (See sabnzbd's documentation for usage guides).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.sabnzbd.settings.servers.<name>.port
Port of the server

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
563
```

Example:

```
443
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.sabnzbd.settings.servers.<name>.priority
Priority of this servers. Servers are queried in order of priority, from highest (0) to lowest (100).

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.sabnzbd.settings.servers.<name>.required
In case of connection failures, wait for the server to come back online instead of skipping it.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.sabnzbd.settings.servers.<name>.ssl
Whether the server supports TLS

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.sabnzbd.settings.servers.<name>.ssl_verify
Level of TLS verification. Supported values: 3, ‘strict’ – strict (normal) verification 2, ‘allow injection’ – allow locally injected certificates 0, ‘none’ – no verification

Type: (one of 2, 0, 3) or (one of “allow injection”, “none”, “strict”) convertible to it

Default:

```
"strict"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.sabnzbd.settings.servers.<name>.timeout
Time, in seconds, to wait for a response before attempting error recovery.

Type: signed integer

Default:

```
60
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.sabnzbd.stateDir
State directory of the service under /var/lib/

Type: string

Default:

```
"sabnzbd"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.sabnzbd.user
User to run the service as

Type: string

Default:

```
"sabnzbd"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sabnzbd>

services.safeeyes.enable

Whether to enable the safeeyes OSGi service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/safeeyes.nix>

services.salt.master.enable

Whether to enable Salt configuration management system master service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/admin/salt/master.nix>

services.salt.master.configuration

Salt master configuration as Nix attribute set.

Type: attribute set

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/admin/salt/master.nix>

services.salt.minion.enable

Whether to enable Salt configuration management system minion service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/admin/salt/minion.nix>

services.salt.minion.configuration

Salt minion configuration as Nix attribute set. See **https://docs.saltstack.com/en/latest/ref/configuration/minion.html** for details.

Type: attribute set

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/admin/salt/minion.nix>

services.samba.enable
Whether to enable Samba, the SMB/CIFS protocol.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/samba.nix>

services.samba.package
The samba package to use.

Type: package

Default:

```
pkgs.samba
```

Example:

```
samba4Full
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/samba.nix>

services.samba.nmbd.enable
Whether to enable Samba's nmbd, which replies to NetBIOS over IP name service requests. It also participates in the browsing protocols which make up the Windows "Network Neighborhood" view.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/samba.nix>

services.samba.nmbd.extraArgs
Extra arguments to pass to the nmbd service.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/samba.nix>

services.samba.nsswins
Whether to enable WINS NSS (Name Service Switch) plug−in.

Enabling it allows applications to resolve WINS/NetBIOS names (a.k.a. Windows machine names) by transparently querying the winbindd daemon .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/samba.nix>

services.samba.openFirewall
Whether to enable opening the default ports in the firewall for Samba.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/samba.nix>

services.samba.settings
Configuration file for the Samba suite in ini format. This file is located in /etc/samba/smb.conf

Refer to **https://www.samba.org/samba/docs/current/man−html/smb.conf.5.html** for all available options.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string) or a non−empty list of them)

Default:

```
{
  global = {
    "invalid users" = [
      "root"
    ];
    "passwd program" = "/run/wrappers/bin/passwd %u";
    security = "user";
  };
}
```

Example:

```
{
  global = {
    "invalid users" = [
      "root"
    ];
    "passwd program" = "/run/wrappers/bin/passwd %u";
    security = "user";
  };
  public = {
    browseable = "yes";
    comment = "Public samba share.";
    "guest ok" = "yes";
    path = "/srv/public";
    "read only" = "yes";
  };
```

```
}
```

Declared by:
<nixpkgs/nixos/modules/services/network-filesystems/samba.nix>

services.samba.settings.global."invalid users"
List of users who are denied to login via Samba.

Type: list of string

Default:

```
[
  "root"
]
```

Declared by:
<nixpkgs/nixos/modules/services/network-filesystems/samba.nix>

services.samba.settings.global."passwd program"
Path to a program that can be used to set UNIX user passwords.

Type: string

Default:

```
"/run/wrappers/bin/passwd %u"
```

Declared by:
<nixpkgs/nixos/modules/services/network-filesystems/samba.nix>

services.samba.settings.global.security
Samba security type.

Type: one of “auto”, “user”, “domain”, “ads”

Default:

```
"user"
```

Declared by:
<nixpkgs/nixos/modules/services/network-filesystems/samba.nix>

services.samba.smbd.enable
Whether to enable Samba’s smbd daemon.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network-filesystems/samba.nix>

services.samba.smbd.extraArgs
Extra arguments to pass to the smbd service.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/network-filesystems/samba.nix>

services.samba.usershares.enable

Whether to enable user−configurable Samba shares.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/samba.nix>

services.samba.usershares.group

Name of the group members of which will be allowed to create usershares.

The group will be created automatically.

Type: string

Default:

```
"samba"
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/samba.nix>

services.samba.winbindd.enable

Whether to enable Samba's winbindd, which provides a number of services to the Name Service Switch capability found in most modern C libraries, to arbitrary applications via PAM and ntlm_auth and to Samba itself.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/samba.nix>

services.samba.winbindd.extraArgs

Extra arguments to pass to the winbindd service.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/samba.nix>

services.samba−wsdd.enable

Whether to enable Web Services Dynamic Discovery host daemon. This enables (Samba) hosts, like your local NAS device, to be found by Web Service Discovery Clients like Windows .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/samba−wsdd.nix>

services.samba−wsdd.discovery
Enable discovery operation mode.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/samba−wsdd.nix>

services.samba−wsdd.domain
Set domain name (disables workgroup).

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/samba−wsdd.nix>

services.samba−wsdd.extraOptions
Additional wsdd options.

Type: list of string

Default:

```
[
  "−−shortlog"
]
```

Example:

```
[
  "−−verbose"
  "−−no−http"
  "−−ipv4only"
  "−−no−host"
]
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/samba−wsdd.nix>

services.samba−wsdd.hoplimit
Hop limit for multicast packets (default = 1).

Type: null or signed integer

Default:

```
null
```

Example:

```
2
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/samba−wsdd.nix>

services.samba−wsdd.hostname

Override (NetBIOS) hostname to be used (default hostname).

Type: null or string

Default:

```
null
```

Example:

```
"FILESERVER"
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/samba−wsdd.nix>

services.samba−wsdd.interface

Interface or address to use.

Type: null or string

Default:

```
null
```

Example:

```
"eth0"
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/samba−wsdd.nix>

services.samba−wsdd.listen

Listen on path or localhost port in discovery mode.

Type: string

Default:

```
"/run/wsdd/wsdd.sock"
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/samba−wsdd.nix>

services.samba−wsdd.openFirewall

Whether to open the required firewall ports in the firewall.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/samba−wsdd.nix>

services.samba−wsdd.workgroup

Set workgroup name (default WORKGROUP).

Type: null or string

Default:

```
null
```

Example:

```
"HOME"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/samba−wsdd.nix>

services.saned.enable
Enable saned network daemon for remote connection to scanners.

saned would be run from ‘scanner’ user; to allow access to hardware that doesn’t have ‘scanner’ group you should add needed groups to this user.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/sane.nix>

services.saned.extraConfig
Extra saned configuration lines.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
"192.168.0.0/24"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/sane.nix>

services.sanoid.enable
Whether to enable Sanoid ZFS snapshotting service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/backup/sanoid.nix>

services.sanoid.package
The sanoid package to use.

Type: package

Default:

```
pkgs.sanoid
```

Declared by:
<nixpkgs/nixos/modules/services/backup/sanoid.nix>

services.sanoid.datasets
Datasets to snapshot.

Type: attribute set of (open submodule of dataset/template options)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/backup/sanoid.nix>

services.sanoid.datasets.<name>.autoprune
Whether to automatically prune old snapshots.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/sanoid.nix>

services.sanoid.datasets.<name>.autosnap
Whether to automatically take snapshots.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/sanoid.nix>

services.sanoid.datasets.<name>.daily
Number of daily snapshots.

Type: null or (unsigned integer, meaning >=0)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/sanoid.nix>

services.sanoid.datasets.<name>.force_post_snapshot_script
Whether to run the post script if the pre script fails

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/sanoid.nix>

services.sanoid.datasets.<name>.hourly
Number of hourly snapshots.

Type: null or (unsigned integer, meaning >=0)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/sanoid.nix>

services.sanoid.datasets.<name>.monthly
Number of monthly snapshots.

Type: null or (unsigned integer, meaning >=0)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/sanoid.nix>

services.sanoid.datasets.<name>.no_inconsistent_snapshot
Whether to take a snapshot if the pre script fails

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/sanoid.nix>

services.sanoid.datasets.<name>.post_snapshot_script
Script to run after taking snapshot.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/sanoid.nix>

services.sanoid.datasets.<name>.pre_snapshot_script
Script to run before taking snapshot.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/sanoid.nix>

services.sanoid.datasets.<name>.processChildrenOnly
Whether to only snapshot child datasets if recursing.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/backup/sanoid.nix>

services.sanoid.datasets.<name>.process_children_only
Whether to only snapshot child datasets if recursing.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/backup/sanoid.nix>

services.sanoid.datasets.<name>.pruning_script
Script to run after pruning snapshot.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/sanoid.nix>

services.sanoid.datasets.<name>.recursive
Whether to recursively snapshot dataset children. You can also set this to ‘"zfs"’ to handle datasets recursively in an atomic way without the possibility to override settings for child datasets.

Type: boolean or value “zfs” (singular enum)

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/backup/sanoid.nix>

services.sanoid.datasets.<name>.script_timeout
Time limit for pre/post/pruning script execution time (<=0 for infinite).

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/sanoid.nix>

services.sanoid.datasets.<name>.useTemplate
Names of the templates to use for this dataset.

Type: list of configured template name

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/backup/sanoid.nix>

services.sanoid.datasets.<name>.use_template
Names of the templates to use for this dataset.

Type: list of configured template name

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/backup/sanoid.nix>

services.sanoid.datasets.<name>.yearly
Number of yearly snapshots.

Type: null or (unsigned integer, meaning >=0)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/sanoid.nix>

services.sanoid.extraArgs
Extra arguments to pass to sanoid. See **https://github.com/jimsalterjrs/sanoid/#sanoid−command−line−options** for allowed options.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "−−verbose"
  "−−readonly"
  "−−debug"
]
```

Declared by:
<nixpkgs/nixos/modules/services/backup/sanoid.nix>

services.sanoid.interval
Run sanoid at this interval. The default is to run hourly.

The format is described in **systemd.time**(7).

Type: string

Default:

```
"hourly"
```

Example:

```
"daily"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/sanoid.nix>

services.sanoid.settings
Free−form settings written directly to the config file. See **https://github.com/jimsalterjrs/sanoid/blob/master/sanoid.defaults.conf** for allowed values.

Type: attribute set of dataset/template options

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/backup/sanoid.nix>

services.sanoid.templates
Templates for datasets.

Type: attribute set of (open submodule of dataset/template options)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/backup/sanoid.nix>

services.sanoid.templates.<name>.autoprune
Whether to automatically prune old snapshots.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/sanoid.nix>

services.sanoid.templates.<name>.autosnap
Whether to automatically take snapshots.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/sanoid.nix>

services.sanoid.templates.<name>.daily
Number of daily snapshots.

Type: null or (unsigned integer, meaning >=0)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/sanoid.nix>

services.sanoid.templates.<name>.force_post_snapshot_script
Whether to run the post script if the pre script fails

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/sanoid.nix>

services.sanoid.templates.<name>.hourly
Number of hourly snapshots.

Type: null or (unsigned integer, meaning >=0)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/sanoid.nix>

services.sanoid.templates.<name>.monthly
Number of monthly snapshots.

Type: null or (unsigned integer, meaning >=0)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/sanoid.nix>

services.sanoid.templates.<name>.no_inconsistent_snapshot
Whether to take a snapshot if the pre script fails

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/sanoid.nix>

services.sanoid.templates.<name>.post_snapshot_script
Script to run after taking snapshot.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/sanoid.nix>

services.sanoid.templates.<name>.pre_snapshot_script
Script to run before taking snapshot.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/sanoid.nix>

services.sanoid.templates.<name>.pruning_script
Script to run after pruning snapshot.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/sanoid.nix>

services.sanoid.templates.<name>.script_timeout
Time limit for pre/post/pruning script execution time (<=0 for infinite).

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/sanoid.nix>

services.sanoid.templates.<name>.yearly
Number of yearly snapshots.

Type: null or (unsigned integer, meaning >=0)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/backup/sanoid.nix>

services.saslauthd.enable
Whether to enable saslauthd, the Cyrus SASL authentication daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/system/saslauthd.nix>

services.saslauthd.package
The bin package to use.

Type: package

Default:

```
pkgs.cyrus_sasl.bin
```

Declared by:
<nixpkgs/nixos/modules/services/system/saslauthd.nix>

services.saslauthd.config
Configuration to use for Cyrus SASL authentication daemon.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/system/saslauthd.nix>

services.saslauthd.mechanism
Auth mechanism to use

Type: string

Default:

```
"pam"
```

Declared by:
<nixpkgs/nixos/modules/services/system/saslauthd.nix>

services.saunafs.chunkserver.enable
Whether to enable Saunafs chunkserver daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/saunafs.nix>

services.saunafs.chunkserver.hdds
Mount points to be used by chunkserver for storage (see **sfshdd.cfg**(5)).

Note, that these mount points must writeable by the user defined by the saunafs user.

Type: list of string

Default:

```
null
```

Example:

```
[ "/mnt/hdd1" ];
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/saunafs.nix>

services.saunafs.chunkserver.openFirewall
Whether to automatically open the necessary ports in the firewall.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/saunafs.nix>

services.saunafs.chunkserver.settings
Contents of chunkserver config file (see **sfschunkserver.cfg**(5)).

Type: open submodule of attribute set of (Flat key−value file)

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/saunafs.nix>

services.saunafs.chunkserver.settings.DATA_PATH
Directory for chunck meta data

Type: string

Default:

```
"/var/lib/saunafs/chunkserver"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/saunafs.nix>

services.saunafs.client.enable
Whether to enable Saunafs client.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/saunafs.nix>

services.saunafs.master.enable
Enable Saunafs master daemon.

You need to run ‘sfsmaster−init’ on a freshly installed master server to initialize the ‘DATA_PATH’ directory.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/saunafs.nix>

services.saunafs.master.exports
Paths to exports file (see **sfsexports.cfg**(5)).

Type: list of string

Default:

```
null
```

Example:

```
[ "* / rw,alldirs,admin,maproot=0:0" ];
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/saunafs.nix>

services.saunafs.master.openFirewall
Whether to automatically open the necessary ports in the firewall.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/saunafs.nix>

services.saunafs.master.settings
Contents of config file (**sfsmaster.cfg**(5)).

Type: open submodule of attribute set of (Flat key−value file)

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/saunafs.nix>

services.saunafs.master.settings.DATA_PATH
Data storage directory.

Type: string

Default:

```
"/var/lib/saunafs/master"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/saunafs.nix>

services.saunafs.masterHost
IP or hostname name of master host.

Type: string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/saunafs.nix>

services.saunafs.metalogger.enable
Whether to enable Saunafs metalogger daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/saunafs.nix>

services.saunafs.metalogger.settings
Contents of metalogger config file (see **sfsmetalogger.cfg**(5)).

Type: open submodule of attribute set of (Flat key−value file)

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/saunafs.nix>

services.saunafs.metalogger.settings.DATA_PATH
Data storage directory

Type: string

Default:

```
"/var/lib/saunafs/metalogger"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/saunafs.nix>

services.saunafs.sfsUser
Run daemons as user.

Type: string

Default:

```
"saunafs"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/saunafs.nix>

services.scanservjs.enable
Whether to enable scanservjs.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/scanservjs.nix>

services.scanservjs.extraActions

Actions to add to config.local.js's 'actions'.

Type: list of strings concatenated with "\n"

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/scanservjs.nix>

services.scanservjs.extraConfig

Extra code to add to config.local.js's 'afterConfig'.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/scanservjs.nix>

services.scanservjs.extraDevicesConfig

Extra code to add to config.local.js's 'afterDevices'.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/scanservjs.nix>

services.scanservjs.runAfterScan

Extra code to add to config.local.js's 'afterScan'.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/scanservjs.nix>

services.scanservjs.settings

Config to set in config.local.js's 'afterConfig'.

Type: open submodule of (JSON value)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/scanservjs.nix>

services.scanservjs.settings.host

The IP to listen on.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/scanservjs.nix>

services.scanservjs.settings.port
The port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/scanservjs.nix>

services.scanservjs.stateDir
State directory for scanservjs.

Type: string

Default:

```
"/var/lib/scanservjs"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/scanservjs.nix>

services.schleuder.enable
Whether to enable Schleuder secure remailer.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/schleuder.nix>

services.schleuder.enablePostfix
Whether to enable automatic postfix integration.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/schleuder.nix>

services.schleuder.extraSettingsFile
YAML file to merge into the schleuder config at runtime. This can be used for secrets such as API keys.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/mail/schleuder.nix>

services.schleuder.listDefaults
Default settings for lists (list−defaults.yml).

Check the **example configuration** for possible values.

Type: YAML 1.1 value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/mail/schleuder.nix>

services.schleuder.lists
List of list addresses that should be handled by Schleuder.

Note that this is only handled by the postfix integration, and the setup of the lists, their members and their keys has to be performed separately via schleuder's API, using a tool such as schleuder−cli.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "widget-team@example.com"
  "security@example.com"
]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/schleuder.nix>

services.schleuder.settings
Settings for schleuder.yml.

Check the **example configuration** for possible values.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/mail/schleuder.nix>

services.schleuder.settings.keyserver
Key server from which to fetch and update keys.

Note that NixOS uses a different default from upstream, since the upstream default sks−keyservers.net is deprecated.

Type: string

Default:

```
"keys.openpgp.org"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/schleuder.nix>

services.scion.enable

Whether to enable all of the scion components and services.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/scion/scion.nix>

services.scion.package

The scion package to use.

Type: package

Default:

```
pkgs.scion
```

Declared by:

<nixpkgs/nixos/modules/services/networking/scion/scion.nix>

services.scion.bypassBootstrapWarning

bypass Nix warning about SCION PKI bootstrapping

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/scion/scion.nix>

services.scion.scion−control.enable

Whether to enable the scion−control service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/scion/scion−control.nix>

services.scion.scion−control.settings

scion−control configuration. Refer to **https://docs.scion.org/en/latest/manuals/common.html** for details on supported values.

Type: TOML value

Default:

```
{ }
```

Example:

```
{
  path_db = {
```

```
    connection = "/run/scion-control/control.path.db";
  };
  log.console = {
    level = "info";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/scion/scion-control.nix>

services.scion.scion-daemon.enable
Whether to enable the scion-daemon service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/scion/scion-daemon.nix>

services.scion.scion-daemon.settings
scion-daemon configuration. Refer to **https://docs.scion.org/en/latest/manuals/common.html** for details on supported values.

Type: TOML value

Default:

```
{ }
```

Example:

```
{
  path_db = {
    connection = "/run/scion-daemon/sd.path.db";
  };
  log.console = {
    level = "info";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/scion/scion-daemon.nix>

services.scion.scion-dispatcher.enable
Whether to enable the scion-dispatcher service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/scion/scion−dispatcher.nix>

services.scion.scion−dispatcher.settings
scion−dispatcher configuration. Refer to **https://docs.scion.org/en/latest/manuals/common.html** for details on supported values.

Type: TOML value

Default:

```
{ }
```

Example:

```
{
  dispatcher = {
    id = "dispatcher";
    socket_file_mode = "0770";
    application_socket = "/dev/shm/dispatcher/default.sock";
  };
  log.console = {
    level = "info";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/scion/scion−dispatcher.nix>

services.scion.scion−ip−gateway.enable
Whether to enable the scion−ip−gateway service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/scion/scion−ip−gateway.nix>

services.scion.scion−ip−gateway.config
scion−ip−gateway daemon configuration

Type: TOML value

Default:

```
{ }
```

Example:

```
{
  tunnel = {
    src_ipv4 = "172.16.100.1";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/scion/scion−ip−gateway.nix>

services.scion.scion−ip−gateway.trafficConfig

scion−ip−gateway traffic configuration

Type: JSON value

Default:

```
{ }
```

Example:

```
{
  ASes = {
    "2−ffaa:0:b" = {
      Nets = [
          "172.16.1.0/24"
      ];
    };
  };
  ConfigVersion = 9001;
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/scion/scion−ip−gateway.nix>

services.scion.scion−router.enable

Whether to enable the scion−router service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/scion/scion−router.nix>

services.scion.scion−router.settings

scion−router configuration. Refer to **https://docs.scion.org/en/latest/manuals/common.html** for details on supported values.

Type: TOML value

Default:

```
{ }
```

Example:

```
{
  general.id = "br";
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/scion/scion−router.nix>

services.scion.stateless

Setting this value to false (stateful) can lead to improved caching and performance.

This option decides whether to persist the SCION path sqlite databases on disk or not. Persisting this data can lead to database corruption in extreme cases such as power outage, meaning SCION fails to work on the next boot. This is being investigated.

If true, /run/scion−* is used for data If false, use /var/lib/scion−* is used for data

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/scion/scion.nix>

services.scollector.enable
Whether to run scollector.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/scollector.nix>

services.scollector.package
The scollector package to use.

Type: package

Default:

```
pkgs.scollector
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/scollector.nix>

services.scollector.bosunHost
Host and port of the bosun server that will store the collected data.

Type: string

Default:

```
"localhost:8070"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/scollector.nix>

services.scollector.collectors
An attribute set mapping the frequency of collection to a list of binaries that should be executed at that frequency. You can use “0” to run a binary forever.

Type: attribute set of list of absolute path

Default:

```
{ }
```

Example:

```
{ "0" = [ "${postgresStats}/bin/collect-stats" ]; }
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/scollector.nix>

services.scollector.extraConfig

Extra scollector configuration added to the end of scollector.toml

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/scollector.nix>

services.scollector.extraOpts

Extra scollector command line options

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-d"
]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/scollector.nix>

services.scollector.group

Group account under which scollector runs.

Type: string

Default:

```
"scollector"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/scollector.nix>

services.scollector.user

User account under which scollector runs.

Type: string

Default:

```
"scollector"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/scollector.nix>

services.screego.enable

Whether to enable screego screen−sharing server for developers.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/screego.nix>

services.screego.environmentFile
Environment file (see **systemd.exec**(5) “EnvironmentFile=” section for the syntax) passed to the service. This option can be used to safely include secrets in the configuration.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/screego-envfile"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/screego.nix>

services.screego.openFirewall
Open the firewall port(s).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/screego.nix>

services.screego.settings
Screego settings passed as Nix attribute set, they will be merged with the defaults. Settings will be passed as environment variables.

See **https://screego.net/#/config** for possible values

Type: attribute set of string

Default:

```
{
  SCREEGO_AUTH_MODE = "turn";
  SCREEGO_CLOSE_ROOM_WHEN_OWNER_LEAVES = "true";
  SCREEGO_LOG_LEVEL = "info";
  SCREEGO_SERVER_ADDRESS = "127.0.0.1:5050";
  SCREEGO_SESSION_TIMEOUT_SECONDS = "0";
  SCREEGO_TURN_ADDRESS = "0.0.0.0:3478";
  SCREEGO_TURN_PORT_RANGE = "50000:55000";
}
```

Example:

```
{
  SCREEGO_EXTERNAL_IP = "dns:example.com";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/screego.nix>

services.scrutiny.enable

Whether to enable Scrutiny, a web application for drive monitoring.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/scrutiny.nix>

services.scrutiny.package

The scrutiny package to use.

Type: package

Default:

```
pkgs.scrutiny
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/scrutiny.nix>

services.scrutiny.collector.enable

Whether to enable the Scrutiny metrics collector.

Type: boolean

Default:

```
config.services.scrutiny.enable
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/scrutiny.nix>

services.scrutiny.collector.package

The scrutiny−collector package to use.

Type: package

Default:

```
pkgs.scrutiny-collector
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/scrutiny.nix>

services.scrutiny.collector.schedule

How often to run the collector in systemd calendar format.

Type: string

Default:

```
"daily"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/scrutiny.nix>

services.scrutiny.collector.settings

Collector settings to be rendered into the collector configuration file.

See **https://github.com/AnalogJ/scrutiny/blob/master/example.collector.yaml**.

Options containing secret data should be set to an attribute set containing the attribute '_secret'. This attribute should be a string or structured JSON with 'quote = false;', pointing to a file that contains the value the option should be set to.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/scrutiny.nix>

services.scrutiny.collector.settings.api.endpoint

Scrutiny app API endpoint for sending metrics to.

Type: string

Default:

```
"http://${config.services.scrutiny.settings.web.listen.host}:${conf \
ig.services.scrutiny.settings.web.listen.port}${config.services.scr \
utiny.settings.web.listen.basepath}"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/scrutiny.nix>

services.scrutiny.collector.settings.host.id

Host ID for identifying/labelling groups of disks

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/scrutiny.nix>

services.scrutiny.collector.settings.log.level

Log level for Scrutiny collector.

Type: one of "INFO", "DEBUG"

Default:

```
"INFO"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/scrutiny.nix>

services.scrutiny.influxdb.enable

Enables InfluxDB on the host system using the 'services.influxdb2' NixOS module with default options.

If you already have InfluxDB configured, or wish to connect to an external InfluxDB instance, disable this option.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/scrutiny.nix>

services.scrutiny.openFirewall
Whether to enable opening the default ports in the firewall for Scrutiny.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/scrutiny.nix>

services.scrutiny.settings
Scrutiny settings to be rendered into the configuration file.

See **https://github.com/AnalogJ/scrutiny/blob/master/example.scrutiny.yaml**.

Options containing secret data should be set to an attribute set containing the attribute '_secret'. This attribute should be a string or structured JSON with 'quote = false;', pointing to a file that contains the value the option should be set to.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/scrutiny.nix>

services.scrutiny.settings.log.level
Log level for Scrutiny.

Type: one of "INFO", "DEBUG"

Default:

```
"INFO"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/scrutiny.nix>

services.scrutiny.settings.web.influxdb.bucket
InfluxDB bucket in which to store data.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/scrutiny.nix>

services.scrutiny.settings.web.influxdb.host
IP or hostname of the InfluxDB instance.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/scrutiny.nix>

services.scrutiny.settings.web.influxdb.org
InfluxDB organisation under which to store data.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/scrutiny.nix>

services.scrutiny.settings.web.influxdb.port
The port of the InfluxDB instance.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8086
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/scrutiny.nix>

services.scrutiny.settings.web.influxdb.scheme
URL scheme to use when connecting to InfluxDB.

Type: string

Default:

```
"http"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/scrutiny.nix>

services.scrutiny.settings.web.influxdb.tls.insecure_skip_verify
Whether to enable skipping TLS verification when connecting to InfluxDB.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/scrutiny.nix>

services.scrutiny.settings.web.influxdb.token
Authentication token for connecting to InfluxDB.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/scrutiny.nix>

services.scrutiny.settings.web.listen.basepath

If Scrutiny will be behind a path prefixed reverse proxy, you can override this value to serve Scrutiny on a subpath.

Type: string

Default:

```
""
```

Example:

```
"/scrutiny"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/scrutiny.nix>

services.scrutiny.settings.web.listen.host

Interface address for web application to bind to.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/scrutiny.nix>

services.scrutiny.settings.web.listen.port

Port for web application to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/scrutiny.nix>

services.scx.enable

Whether to enable SCX service, a daemon to run schedulers from userspace.

Note

This service requires a kernel with the Sched−ext feature. Generally, kernel version 6.12 and later are supported.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/scheduling/scx.nix>

services.scx.package

‘scx’ package to use. ‘scx.full’, which includes all schedulers, is the default. You may choose a minimal package, such as ‘pkgs.scx.rustscheds’.

Note

Overriding this does not change the default scheduler; you should set ‘services.scx.scheduler’ for it.

Type: package

Default:

```
pkgs.scx.full
```

Example:

```
pkgs.scx.rustscheds
```

Declared by:

<nixpkgs/nixos/modules/services/scheduling/scx.nix>

services.scx.extraArgs

Parameters passed to the chosen scheduler at runtime.

Note

Run ‘chosen−scx−scheduler −−help’ to see the available options. Generally, each scheduler has its own set of options, and they are incompatible with each other.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--verbose"
  "--slice-us 5000"
]
```

Declared by:

<nixpkgs/nixos/modules/services/scheduling/scx.nix>

services.scx.scheduler

Which scheduler to use. See **SCX documentation** for details on each scheduler and guidance on selecting the most suitable one.

Type: one of “scx_central”, “scx_flatcg”, “scx_nest”, “scx_pair”, “scx_prev”, “scx_qmap”, “scx_simple”, “scx_userland”, “scx_beerland”, “scx_bpfland”, “scx_cake”, “scx_chaos”, “scx_cosmos”, “scx_flash”, “scx_lavd”, “scx_layered”, “scx_mitosis”, “scx_p2dq”, “scx_pandemonium”, “scx_rlfifo”, “scx_rustland”, “scx_rusty”, “scx_tickless”, “scx_wd40”

Default:

```
"scx_rustland"
```

Example:

```
"scx_bpfland"
```

Declared by:

<nixpkgs/nixos/modules/services/scheduling/scx.nix>

services.sdrplayApi.enable

Whether to enable the SDRplay API service and udev rules.

Note

To enable integration with SoapySDR and GUI applications like gqrx create an overlay containing ‘soapysdr−with−plugins = super.soapysdr.override { extraPackages = [super.soapysdrplay]; };’

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/sdrplay.nix>

services.searx.enable
Whether to enable Searx, the meta search engine.

Type: boolean

Default:

```
false
```

Related packages:

- 'pkgs.searx'

Declared by:
<nixpkgs/nixos/modules/services/networking/searx.nix>

services.searx.package
The searxng package to use.

Type: package

Default:

```
pkgs.searxng
```

Declared by:
<nixpkgs/nixos/modules/services/networking/searx.nix>

services.searx.configureNginx
Whether to configure nginx as an frontend to uwsgi.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/searx.nix>

services.searx.configureUwsgi
Whether to run searx in uWSGI as a "vassal", instead of using its built−in HTTP server. This is the recommended mode for public or large instances, but is unnecessary for LAN or local−only use.

Warning
The built−in HTTP server logs all queries by default.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/searx.nix>

services.searx.domain
The domain under which searxng will be served. Right now this is only used with the configureNginx option.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/searx.nix>

services.searx.environmentFile
Environment file (see **systemd.exec**(5) “EnvironmentFile=” section for the syntax) to define variables for Searx. This option can be used to safely include secret keys into the Searx configuration.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/searx.nix>

services.searx.faviconsSettings
Favicons settings for SearXNG.

Note
For available settings, see the SearXNG **schema file**.

Type: attribute set of (JSON value)

Default:

```
{ }
```

Example:

```
{
  favicons = {
    cfg_schema = 1;
    cache = {
      db_url = "/var/cache/searx/faviconcache.db";
      HOLD_TIME = 5184000;
      LIMIT_TOTAL_BYTES = 2147483648;
      BLOB_MAX_BYTES = 40960;
      MAINTENANCE_MODE = "auto";
      MAINTENANCE_PERIOD = 600;
    };
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/searx.nix>

services.searx.limiterSettings
Limiter settings for SearXNG.

Note
For available settings, see the SearXNG **schema file**.

Type: attribute set of (JSON value)

Default:

```
{ }
```

Example:

```
{
  real_ip = {
    x_for = 1;
    ipv4_prefix = 32;
```

```
    ipv6_prefix = 56;
  }
  botdetection.ip_lists.block_ip = [
    # "93.184.216.34" # example.org
  ];
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/searx.nix>

services.searx.openFirewall
Whether to open the port in the firewall. Enabling this option adds the port specified in **services.settings.server.port** to **networking.firewall.allowedTCPPorts**.

Note
When this option is set to true, **services.settings.server.port** must be set as well or an error will be thrown.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/searx.nix>

services.searx.redisCreateLocally
Configure a local Redis server for SearXNG. This is required if you want to enable the rate limiter and bot protection of SearXNG.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/searx.nix>

services.searx.settings
Searx settings. These will be merged with (taking precedence over) the default configuration. It's also possible to refer to environment variables (defined in **services.searx.environmentFile**) using the syntax '$VARIABLE_NAME'.

Note
For available settings, see the Searx **docs**.

Type: open submodule of (JSON value)

Default:

```
{ }
```

Example:

```
{
  server.port = 8080;
  server.bind_address = "0.0.0.0";
  server.secret_key = "$SEARX_SECRET_KEY";
  engines = [ {
    name = "wolframalpha";
    shortcut = "wa";
    api_key = "$WOLFRAM_API_KEY";
```

```
    engine = "wolframalpha_api";
  } ];
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/searx.nix>

services.searx.settingsFile

The path of the Searx server settings.yml file. If no file is specified, a default file is used (default config file has debug mode enabled).

Note

Setting this options overrides **services.searx.settings**.

Warning

This file, along with any secret key it contains, will be copied into the world−readable Nix store.

Type: absolute path

Default:

```
"/run/searx/settings.yml"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/searx.nix>

services.searx.uwsgiConfig

Additional configuration of the uWSGI vassal running searx. It should notably specify on which interfaces and ports the vassal should listen.

Type: Json value or lambda

Default:

```
{
  http = ":8080";
}
```

Example:

```
{
  disable-logging = true;
  http = ":8080";                    # serve via HTTP...
  socket = "/run/searx/searx.sock"; # ...or UNIX socket
  chmod-socket = "660";              # allow the searx group to rea \
d/write to the socket
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/searx.nix>

services.seatd.enable

Whether to enable seatd.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/seatd.nix>

services.seatd.group
Group to own the seatd socket

Type: string

Default:

```
"seat"
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/seatd.nix>

services.seatd.logLevel
Logging verbosity

Type: one of “debug”, “info”, “error”, “silent”

Default:

```
"info"
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/seatd.nix>

services.seatd.user
User to own the seatd socket

Type: string

Default:

```
"root"
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/seatd.nix>

services.seerr.enable
Whether to enable Seerr, a requests manager for Jellyfin.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/seerr.nix>

services.seerr.package
The seerr package to use.

Type: package

Default:

```
pkgs.seerr
```

Declared by:
<nixpkgs/nixos/modules/services/misc/seerr.nix>

services.seerr.configDir
Config data directory

Type: absolute path

Default:

```
"/var/lib/seerr/"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/seerr.nix>

services.seerr.openFirewall
Open port in the firewall for the Seerr web interface.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/seerr.nix>

services.seerr.port
The port which the Seerr web UI should listen to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5055
```

Declared by:
<nixpkgs/nixos/modules/services/misc/seerr.nix>

services.self−deploy.enable
Whether to enable self−deploy.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/system/self−deploy.nix>

services.self−deploy.branch
Branch to track

Technically speaking any ref can be specified here, as this is passed directly to a ‘git fetch’, but for the use−case of continuous deployment you’re likely to want to specify a branch.

Type: string

Default:

```
"master"
```

Declared by:
<nixpkgs/nixos/modules/services/system/self−deploy.nix>

services.self−deploy.nixArgs

Arguments to ‘nix−build’ passed as ‘−−argstr’ or ‘−−arg’ depending on the type.

Type: attribute set

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/system/self−deploy.nix>

services.self−deploy.nixAttribute

Attribute of ‘nixFile’ that builds the current system.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/system/self−deploy.nix>

services.self−deploy.nixFile

Path to nix file in repository. Leading ‘/’ refers to root of git repository.

Type: absolute path

Default:

```
"/default.nix"
```

Declared by:

<nixpkgs/nixos/modules/services/system/self−deploy.nix>

services.self−deploy.repository

The repository to fetch from. Must be properly formatted for git.

If this value is set to a path (must begin with ‘/’) then it’s assumed that the repository is local and the resulting service won’t wait for the network to be up.

If the repository will be fetched over SSH, you must add an entry to ‘programs.ssh.knownHosts’ for the SSH host for the fetch to be successful.

Type: absolute path or string

Declared by:

<nixpkgs/nixos/modules/services/system/self−deploy.nix>

services.self−deploy.sshKeyFile

Path to SSH private key used to fetch private repositories over SSH.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/system/self−deploy.nix>

services.self−deploy.startAt

The schedule on which to run the ‘self−deploy’ service. Format specified by ‘systemd.time 7’.

This value can also be a list of ‘systemd.time 7’ formatted strings, in which case the service will be started on multiple schedules.

Type: string or list of string

Default:

```
"hourly"
```

Declared by:

<nixpkgs/nixos/modules/services/system/self−deploy.nix>

services.self−deploy.switchCommand

The ‘switch−to−configuration’ subcommand used.

Type: one of “boot”, “switch”, “dry−activate”, “test”

Default:

```
"switch"
```

Declared by:

<nixpkgs/nixos/modules/services/system/self−deploy.nix>

services.selfoss.enable

Whether to enable selfoss.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/selfoss.nix>

services.selfoss.database.host

Host of the database (has no effect if type is “sqlite”).

Type: string

Default:

```
"localhost"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/selfoss.nix>

services.selfoss.database.name

Name of the existing database (has no effect if type is “sqlite”).

Type: string

Default:

```
"tt_rss"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/selfoss.nix>

services.selfoss.database.password

The database user’s password (has no effect if type is “sqlite”).

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/selfoss.nix>

services.selfoss.database.port
The database's port. If not set, the default ports will be provided (5432 and 3306 for pgsql and mysql respectively) (has no effect if type is "sqlite").

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/selfoss.nix>

services.selfoss.database.type
Database to store feeds. Supported are sqlite, pgsql and mysql.

Type: one of "pgsql", "mysql", "sqlite"

Default:

```
"sqlite"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/selfoss.nix>

services.selfoss.database.user
The database user. The user must exist and has access to the specified database (has no effect if type is "sqlite").

Type: string

Default:

```
"tt_rss"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/selfoss.nix>

services.selfoss.extraConfig
Extra configuration added to config.ini

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/selfoss.nix>

services.selfoss.pool
Name of existing phpfpm pool that is used to run web−application. If not specified a pool will be created automatically with default values.

Type: string

Default:

```
"selfoss_pool"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/selfoss.nix>

services.selfoss.user

User account under which both the service and the web−application run.

Type: string

Default:

```
config.services.nginx.user
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/selfoss.nix>

services.send.enable

Whether to enable Send, a file sharing web sevice for ffsend…

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/send.nix>

services.send.package

The send package to use.

Type: package

Default:

```
pkgs.send
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/send.nix>

services.send.baseUrl

Base URL for the Send service. Leave it blank to automatically detect the base url.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/send.nix>

services.send.dataDir

Directory for uploaded files. Due to limitations in **systemd.services.send.serviceConfig.DynamicUser**, this item is read only.

Type: absolute path *(read only)*

Default:

```
"/var/lib/send"
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/send.nix>

services.send.environment

All the available config options and their defaults can be found here: **https://github.com/timvisee/send/blob/master/server/config.js**, some descriptions can found here: **https://github.com/timvisee/send/blob/master/docs/docker.md#environment−variables**

Values under **services.send.environment** will override the predefined values in the Send service.

- Time/duration should be in seconds
- Filesize values should be in bytes

Type: attribute set of (null or boolean or signed integer or string or list of signed integer)

Default:

```
{ }
```

Example:

```
{
  DEFAULT_DOWNLOADS = 1;
  DETECT_BASE_URL = true;
  EXPIRE_TIMES_SECONDS = [
    300
    3600
    86400
    604800
  ];
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/send.nix>

services.send.environmentFile

Environment file (see **systemd.exec**(5) “EnvironmentFile=” section for the syntax) passed to the service. This option is the recommended way to pass secrets to Send.

This is especially important for users using a cloud storage backend.

A list of environment variables recognized by Send can be found here: **https://github.com/timvisee/send/blob/master/docs/docker.md**

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/send"
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/send.nix>

services.send.host

The hostname or IP address for Send to bind to.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/send.nix>

services.send.openFirewall
Whether to open firewall ports for send

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/send.nix>

services.send.port
Port the Send service listens on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
1443
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/send.nix>

services.send.redis.createLocally
Whether to create a local redis automatically.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/send.nix>

services.send.redis.host
Redis server address.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/send.nix>

services.send.redis.name
Name of the redis server. Only used if **services.send.redis.createLocally** is set to true.

Type: string

Default:

```
"send"
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/send.nix>

services.send.redis.passwordFile
The path to the file containing the Redis password.

If **services.send.redis.createLocally** is set to true, the content of this file will be used as the password for the locally created Redis instance.

Leave it blank if no password is required.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/agenix/send-redis-password"
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/send.nix>

services.send.redis.port
Port of the redis server.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
6379
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/send.nix>

services.serviio.enable
Whether to enable the Serviio Media Server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/serviio.nix>

services.serviio.dataDir
The directory where serviio stores its state, data, etc.

Type: absolute path

Default:

```
"/var/lib/serviio"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/serviio.nix>

services.serviio.openFirewall
Open ports in the firewall for the Serviio Media Server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/serviio.nix>

services.sftpgo.enable
sftpgo

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sftpgo.nix>

services.sftpgo.package
The sftpgo package to use.

Type: package

Default:

```
pkgs.sftpgo
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sftpgo.nix>

services.sftpgo.dataDir
The directory where SFTPGo stores its data files.

Type: absolute path

Default:

```
"/var/lib/sftpgo"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sftpgo.nix>

services.sftpgo.extraArgs
Additional command line arguments to pass to the sftpgo daemon.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--log-level"
  "info"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sftpgo.nix>

services.sftpgo.extraReadWriteDirs
Extra directories where SFTPGo is allowed to write to.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sftpgo.nix>

services.sftpgo.group
Group name under which SFTPGo runs.

Type: string

Default:

```
"sftpgo"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sftpgo.nix>

services.sftpgo.loadDataFile
Path to a json file containing users and folders to load (or update) on startup. Check the **documentation** for the '−−loaddata−from' command line argument for more info.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sftpgo.nix>

services.sftpgo.settings
The primary sftpgo configuration. See the **configuration reference** for possible values.

Type: open submodule of (JSON value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sftpgo.nix>

services.sftpgo.settings.ftpd.bindings
Configure listen addresses and ports for ftpd.

Type: list of (open submodule of (JSON value))

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sftpgo.nix>

services.sftpgo.settings.ftpd.bindings.*.address
Network listen address. Leave blank to listen on all available network interfaces. On *NIX you can specify an absolute path to listen on a Unix−domain socket.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sftpgo.nix>

services.sftpgo.settings.ftpd.bindings.*.port
The port for serving FTP requests.

Setting the port to '0' disables listening on this interface binding.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sftpgo.nix>

services.sftpgo.settings.httpd.bindings
Configure listen addresses and ports for httpd.

Type: list of (open submodule of (JSON value))

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sftpgo.nix>

services.sftpgo.settings.httpd.bindings.*.enable_web_admin
Enable the built−in web admin for this interface binding.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sftpgo.nix>

services.sftpgo.settings.httpd.bindings.*.enable_web_client
Enable the built−in web client for this interface binding.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sftpgo.nix>

services.sftpgo.settings.httpd.bindings.*.address
Network listen address. Leave blank to listen on all available network interfaces. On *NIX you can specify an absolute path to listen on a Unix−domain socket.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sftpgo.nix>

services.sftpgo.settings.httpd.bindings.*.port
The port for serving HTTP(S) requests.

Setting the port to ‘0’ disables listening on this interface binding.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sftpgo.nix>

services.sftpgo.settings.sftpd.bindings
Configure listen addresses and ports for sftpd.

Type: list of (open submodule of (JSON value))

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sftpgo.nix>

services.sftpgo.settings.sftpd.bindings.*.address
Network listen address. Leave blank to listen on all available network interfaces. On *NIX you can specify an absolute path to listen on a Unix−domain socket.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sftpgo.nix>

services.sftpgo.settings.sftpd.bindings.*.port
The port for serving SFTP requests.

Setting the port to ‘0’ disables listening on this interface binding.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sftpgo.nix>

services.sftpgo.settings.smtp
SMTP configuration section.

Type: open submodule of (JSON value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sftpgo.nix>

services.sftpgo.settings.smtp.auth_type
- ‘0’: Plain
- ‘1’: Login
- ‘2’: CRAM−MD5

Type: one of 0, 1, 2

Default:

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sftpgo.nix>

services.sftpgo.settings.smtp.encryption
Encryption scheme:

- ‘0’: No encryption
- ‘1’: TLS
- ‘2’: STARTTLS

Type: one of 0, 1, 2

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sftpgo.nix>

services.sftpgo.settings.smtp.from
From address.

Type: string

Default:

```
"SFTPGo <sftpgo@example.com>"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sftpgo.nix>

services.sftpgo.settings.smtp.host
Location of SMTP email server. Leave empty to disable email sending capabilities.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sftpgo.nix>

services.sftpgo.settings.smtp.port
Port of the SMTP Server.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
465
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sftpgo.nix>

services.sftpgo.settings.smtp.user
SMTP username.

Type: string

Default:

```
"sftpgo"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sftpgo.nix>

services.sftpgo.settings.webdavd.bindings
Configure listen addresses and ports for webdavd.

Type: list of (open submodule of (JSON value))

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sftpgo.nix>

services.sftpgo.settings.webdavd.bindings.*.address
Network listen address. Leave blank to listen on all available network interfaces. On *NIX you can specify an absolute path to listen on a Unix−domain socket.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sftpgo.nix>

services.sftpgo.settings.webdavd.bindings.*.port
The port for serving WebDAV requests.

Setting the port to ‘0’ disables listening on this interface binding.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sftpgo.nix>

services.sftpgo.user
User account name under which SFTPGo runs.

Type: string

Default:

```
"sftpgo"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sftpgo.nix>

services.shadowsocks.enable
Whether to run shadowsocks−libev shadowsocks server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/shadowsocks.nix>

services.shadowsocks.package
The Shadowsocks package to use.

Type: package

Default:

```
pkgs.shadowsocks−libev
```

Declared by:
<nixpkgs/nixos/modules/services/networking/shadowsocks.nix>

services.shadowsocks.encryptionMethod
Encryption method. See **https://github.com/shadowsocks/shadowsocks−org/wiki/AEAD−Ciphers**.

Type: string

Default:

```
"chacha20−ietf−poly1305"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/shadowsocks.nix>

services.shadowsocks.extraConfig

Additional configuration for shadowsocks that is not covered by the provided options. The provided attrset will be serialized to JSON and has to contain valid shadowsocks options. Unfortunately most additional options are undocumented but it's easy to find out what is available by looking into the source code of **https://github.com/shadowsocks/shadowsocks−libev/blob/master/src/jconf.c**

Type: attribute set

Default:

```
{ }
```

Example:

```
{
  nameserver = "8.8.8.8";
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/shadowsocks.nix>

services.shadowsocks.fastOpen

use TCP fast−open

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/shadowsocks.nix>

services.shadowsocks.localAddress

Local addresses to which the server binds. Note: shadowsocks−rust accepts only string parameter.

Type: string or list of string

Default:

```
[
  "[::0]"
  "0.0.0.0"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/shadowsocks.nix>

services.shadowsocks.mode

Relay protocols.

Type: one of "tcp_only", "tcp_and_udp", "udp_only"

Default:

```
"tcp_and_udp"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/shadowsocks.nix>

services.shadowsocks.password

Password for connecting clients.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/shadowsocks.nix>

services.shadowsocks.passwordFile
Password file with a password for connecting clients.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/shadowsocks.nix>

services.shadowsocks.plugin
SIP003 plugin for shadowsocks

Type: null or string

Default:

```
null
```

Example:

```
"${pkgs.shadowsocks-v2ray-plugin}/bin/v2ray-plugin"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/shadowsocks.nix>

services.shadowsocks.pluginOpts
Options to pass to the plugin if one was specified

Type: string

Default:

```
""
```

Example:

```
"server;host=example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/shadowsocks.nix>

services.shadowsocks.port
Port which the server uses.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8388
```

Declared by:
<nixpkgs/nixos/modules/services/networking/shadowsocks.nix>

services.shairport-sync.enable
Enable the shairport-sync daemon.

Running with a local system-wide or remote pulseaudio server is recommended.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/shairport−sync.nix>

services.shairport−sync.package
The shairport−sync package to use.

Type: package

Default:

```
pkgs.shairport−sync
```

Declared by:
<nixpkgs/nixos/modules/services/networking/shairport−sync.nix>

services.shairport−sync.arguments
Arguments to pass to the daemon. Defaults to a local pulseaudio server.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/shairport−sync.nix>

services.shairport−sync.group
Group account name under which to run shairport−sync. The account will be created.

Type: string

Default:

```
"shairport"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/shairport−sync.nix>

services.shairport−sync.openFirewall
Whether to automatically open ports in the firewall.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/shairport−sync.nix>

services.shairport−sync.settings
Configuration options for Shairport−Sync.

See the example **shairport−sync.conf** for possible options.

Type: attribute set of (libconfig value)

Default:

```
{
  diagnostics = {
    log_verbosity = 1;
  };
  general = {
    output_backend = "pulseaudio";
  };
}
```

Example:

```
{
  general = {
    name = "NixOS Shairport";
    output_backend = "pipewire";
  };
  metadata = {
    cover_art_cache_directory = "/tmp/shairport-sync/.cache/covera \
rt";
    enabled = "yes";
    include_cover_art = "yes";
    pipe_name = "/tmp/shairport-sync-metadata";
    pipe_timeout = 5000;
  };
  mqtt = {
    enabled = "yes";
    hostname = "mqtt.server.domain.example";
    port = 1883;
    publish_cover = "yes";
    publish_parsed = "yes";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/shairport-sync.nix>

services.shairport-sync.user
User account name under which to run shairport-sync. The account will be created.

Type: string

Default:

```
"shairport"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/shairport-sync.nix>

services.sharkey.enable
Whether to enable Sharkey, a Sharkish microblogging platform.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/sharkey.nix>

services.sharkey.package
The sharkey package to use.

Type: package

Default:

```
pkgs.sharkey
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sharkey.nix>

services.sharkey.environmentFiles
List of paths to files containing environment variables for Sharkey to use at runtime.

This is useful for keeping secrets out of the Nix store. See **https://docs.joinsharkey.org/docs/install/configuration/** for how to configure Sharkey using environment variables.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[
  "/run/secrets/sharkey−env"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sharkey.nix>

services.sharkey.openFirewall
Whether to open ports in the NixOS firewall for Sharkey.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sharkey.nix>

services.sharkey.settings
Configuration options for Sharkey.

See **https://activitypub.software/TransFem−org/Sharkey/−/blob/develop/.config/example.yml** for a list of all available configuration options.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sharkey.nix>

services.sharkey.settings.address
The address that Sharkey binds to.

Type: string

Default:

```
"0.0.0.0"
```

Example:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sharkey.nix>

services.sharkey.settings.fulltextSearch.provider
Which provider to use for full text search.

All options other than 'sqlLike' require extra setup − see the comments in **https://activitypub.software/TransFem−org/Sharkey/−/blob/develop/.config/example.yml** for details.

If 'sqlPgroonga' is set, and 'services.sharkey.setupPostgres' is 'true', the pgroonga extension will automatically be setup. You still need to create an index manually.

If using Meilisearch, consider setting 'services.sharkey.setupMeilisearch' instead, which will configure Meilisearch for you.

Type: one of "sqlLike", "sqlPgroonga", "sqlTsvector", "meilisearch"

Default:

```
"sqlLike"
```

Example:

```
"sqlPgroonga"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sharkey.nix>

services.sharkey.settings.id
The ID generation method for Sharkey to use.

Do NOT change this after initial setup!

Type: one of "aid", "aidx", "meid", "ulid", "objectid"

Default:

```
"aidx"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sharkey.nix>

services.sharkey.settings.mediaDirectory
Path to the folder where Sharkey stores uploaded media such as images and attachments.

Type: absolute path

Default:

```
"/var/lib/sharkey"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sharkey.nix>

services.sharkey.settings.port
The port that Sharkey will listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sharkey.nix>

services.sharkey.settings.socket

If specified, creates a UNIX socket at the given path that Sharkey listens on.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/sharkey/sharkey.sock"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/sharkey.nix>

services.sharkey.settings.url

The full URL that the Sharkey instance will be publically accessible on.

Do NOT change this after initial setup!

Type: string

Example:

```
"https://blahaj.social/"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/sharkey.nix>

services.sharkey.setupMeilisearch

Whether to automatically set up a local Meilisearch instance and configure Sharkey to use it.

You need to ensure ‘services.meilisearch.masterKeyFile’ is correctly configured for a working Meilisearch setup. You also need to configure Sharkey to use an API key obtained from Meilisearch with the ‘MK_CONFIG_MEILISEARCH_APIKEY’ environment variable, and set ‘services.sharkey.settings.meilisearch.index’ to the created index. See **https://docs.joinsharkey.org/docs/customisation/search/meilisearch/** for how to create an API key and index.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/sharkey.nix>

services.sharkey.setupPostgresql

Whether to automatically set up a local PostgreSQL database and configure Sharkey to use it.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/sharkey.nix>

services.sharkey.setupRedis

Whether to automatically set up a local Redis cache and configure Sharkey to use it.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/sharkey.nix>

services.shelfmark.enable

Whether to enable Shelfmark, a self−hosted book and audiobook search and download interface.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/shelfmark.nix>

services.shelfmark.package

The shelfmark package to use.

Type: package

Default:

```
pkgs.shelfmark
```

Declared by:

<nixpkgs/nixos/modules/services/misc/shelfmark.nix>

services.shelfmark.environment

Environment variables to pass to the Shelfmark service. See **https://github.com/calibrain/shelfmark/blob/main/docs/environment−variables.md** for available options.

Type: open submodule of attribute set of string

Default:

```
{ }
```

Example:

```
{
  LOG_LEVEL = "DEBUG";
  SEARCH_MODE = "universal";
}
```

Declared by:

<nixpkgs/nixos/modules/services/misc/shelfmark.nix>

services.shelfmark.environment.CONFIG_DIR
Directory for Shelfmark configuration, database, and artwork cache.

Type: absolute path

Default:

```
"/var/lib/shelfmark"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/shelfmark.nix>

services.shelfmark.environment.ENABLE_LOGGING
Whether to enable file logging. Disabled by default since systemd captures console output via journald.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/shelfmark.nix>

services.shelfmark.environment.FLASK_HOST
The IP address to bind the Shelfmark server to.

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/shelfmark.nix>

services.shelfmark.environment.FLASK_PORT
TCP port for the Shelfmark web interface.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8084
```

Declared by:
<nixpkgs/nixos/modules/services/misc/shelfmark.nix>

services.shelfmark.openFirewall
Open the appropriate ports in the firewall for Shelfmark.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/shelfmark.nix>

services.shellhub−agent.enable
Whether to enable ShellHub Agent daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/shellhub−agent.nix>

services.shellhub−agent.package
The shellhub−agent package to use.

Type: package

Default:

```
pkgs.shellhub−agent
```

Declared by:
<nixpkgs/nixos/modules/services/networking/shellhub−agent.nix>

services.shellhub−agent.keepAliveInterval
Determine the interval to send the keep alive message to the server. This has a direct impact of the bandwidth used by the device.

Type: signed integer

Default:

```
30
```

Declared by:
<nixpkgs/nixos/modules/services/networking/shellhub−agent.nix>

services.shellhub−agent.preferredHostname
Set the device preferred hostname. This provides a hint to the server to use this as hostname if it is available.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/shellhub−agent.nix>

services.shellhub−agent.privateKey
Location where to store the ShellHub Agent private key.

Type: absolute path

Default:

```
"/var/lib/shellhub−agent/private.key"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/shellhub−agent.nix>

services.shellhub−agent.server
Server address of ShellHub Gateway to connect.

Type: string

Default:

```
"https://cloud.shellhub.io"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/shellhub−agent.nix>

services.shellhub−agent.tenantId
The tenant ID to use when connecting to the ShellHub Gateway.

Type: string

Example:

```
"ba0a880c−2ada−11eb−a35e−17266ef329d6"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/shellhub−agent.nix>

services.shibboleth−sp.enable
Whether to enable the shibboleth service

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/shibboleth−sp.nix>

services.shibboleth−sp.configFile
Path to shibboleth config file

Type: absolute path

Example:

```
"${pkgs.shibboleth−sp}/etc/shibboleth/shibboleth2.xml"
```

Declared by:
<nixpkgs/nixos/modules/services/security/shibboleth−sp.nix>

services.shibboleth−sp.fastcgi.enable
Whether to include the shibauthorizer and shibresponder FastCGI processes

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/shibboleth−sp.nix>

services.shibboleth−sp.fastcgi.shibAuthorizerPort
Port for shibauthorizer FastCGI process to bind to

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9100
```

Declared by:
<nixpkgs/nixos/modules/services/security/shibboleth−sp.nix>

services.shibboleth−sp.fastcgi.shibResponderPort
Port for shibauthorizer FastCGI process to bind to

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9101
```

Declared by:
<nixpkgs/nixos/modules/services/security/shibboleth−sp.nix>

services.shiori.enable
Whether to enable Shiori simple bookmarks manager.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/shiori.nix>

services.shiori.package
The shiori package to use.

Type: package

Default:

```
pkgs.shiori
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/shiori.nix>

services.shiori.address
The IP address on which Shiori will listen. If empty, listens on all interfaces.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/shiori.nix>

services.shiori.databaseUrl
The connection URL to connect to MySQL or PostgreSQL

Type: null or string

Default:

```
null
```

Example:

```
"postgres:///shiori?host=/run/postgresql"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/shiori.nix>

services.shiori.environmentFile
Path to file containing environment variables. Useful for passing down secrets. **https://github.com/go−shiori/shiori/blob/master/docs/Configuration.md#overall−configuration**

Type: null or absolute path

Default:

```
null
```

Example:

```
"/path/to/environmentFile"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/shiori.nix>

services.shiori.port
The port of the Shiori web application

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/shiori.nix>

services.shiori.webRoot
The root of the Shiori web application

Type: string

Default:

```
"/"
```

Example:

```
"/shiori"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/shiori.nix>

services.shoko.enable
Whether to enable Shoko.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/shoko.nix>

services.shoko.package

The shoko package to use.

Type: package

Default:

```
pkgs.shoko
```

Declared by:

<nixpkgs/nixos/modules/services/misc/shoko.nix>

services.shoko.openFirewall

Open ports in the firewall for the ShokoAnime api and web interface.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/shoko.nix>

services.shoko.plugins

The plugins to install.

Note that if there are plugins installed imperatively when this option is used, they will be deleted.

Type: list of package

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/misc/shoko.nix>

services.shoko.webui

The shoko-webui package to use.

Type: null or package

Default:

```
pkgs.shoko-webui
```

Declared by:

<nixpkgs/nixos/modules/services/misc/shoko.nix>

services.shorewall.enable

Whether to enable Shorewall IPv4 Firewall.

Warning
Enabling this service WILL disable the existing NixOS firewall! Default firewall rules provided by packages are not considered at the moment.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/shorewall.nix>

services.shorewall.package

The shorewall package to use.

Type: package

Default:

```
pkgs.shorewall
```

Declared by:

<nixpkgs/nixos/modules/services/networking/shorewall.nix>

services.shorewall.configs

This option defines the Shorewall configs. The attribute name defines the name of the config, and the attribute value defines the content of the config.

Type: attribute set of strings concatenated with "\n"

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/shorewall.nix>

services.shorewall6.enable

Whether to enable Shorewall IPv6 Firewall.

Warning
Enabling this service WILL disable the existing NixOS firewall! Default firewall rules provided by packages are not considered at the moment.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/shorewall6.nix>

services.shorewall6.package

The shorewall package to use.

Type: package

Default:

```
pkgs.shorewall
```

Declared by:

<nixpkgs/nixos/modules/services/networking/shorewall6.nix>

services.shorewall6.configs

This option defines the Shorewall configs. The attribute name defines the name of the config, and the attribute value defines the content of the config.

Type: attribute set of strings concatenated with "\n"

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/shorewall6.nix>

services.sickbeard.enable

Whether to enable the sickbeard server.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/sickbeard.nix>

services.sickbeard.package

The sickbeard package to use. Enable ‘pkgs.sickrage’ or ‘pkgs.sickgear’ as an alternative to SickBeard

Type: package

Default:

```
pkgs.sickbeard
```

Example:

```
sickrage
```

Declared by:

<nixpkgs/nixos/modules/services/misc/sickbeard.nix>

services.sickbeard.configFile

Path to config file.

Type: absolute path

Default:

```
"${config.services.sickbeard.dataDir}/config.ini"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/sickbeard.nix>

services.sickbeard.dataDir

Path where to store data files.

Type: absolute path

Default:

```
"/var/lib/sickbeard"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/sickbeard.nix>

services.sickbeard.group

Group to run the service as

Type: string

Default:

```
"sickbeard"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/sickbeard.nix>

services.sickbeard.port
Port to bind to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8081
```

Declared by:
<nixpkgs/nixos/modules/services/misc/sickbeard.nix>

services.sickbeard.user
User to run the service as

Type: string

Default:

```
"sickbeard"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/sickbeard.nix>

services.sillytavern.enable
Whether to enable sillytavern.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sillytavern.nix>

services.sillytavern.package
The sillytavern package to use.

Type: package

Default:

```
pkgs.sillytavern
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sillytavern.nix>

services.sillytavern.configFile
Path to the SillyTavern configuration file.

Type: absolute path

Default:

```
${cfg.package}/lib/node_modules/sillytavern/config.yaml
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sillytavern.nix>

services.sillytavern.group

Group account under which the web−application run.

Type: string

Default:

```
"sillytavern"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/sillytavern.nix>

services.sillytavern.listen

Whether to listen on all network interfaces.

Type: null or boolean

Default:

```
null
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/sillytavern.nix>

services.sillytavern.listenAddressIPv4

Specific IPv4 address to listen to.

Type: null or string

Default:

```
null
```

Example:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/sillytavern.nix>

services.sillytavern.listenAddressIPv6

Specific IPv6 address to listen to.

Type: null or string

Default:

```
null
```

Example:

```
"::1"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/sillytavern.nix>

services.sillytavern.port

Port on which SillyTavern will listen.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Example:

```
8045
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sillytavern.nix>

services.sillytavern.user
User account under which the web−application run.

Type: string

Default:

```
"sillytavern"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sillytavern.nix>

services.sillytavern.whitelist
Enables whitelist mode.

Type: null or boolean

Default:

```
null
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sillytavern.nix>

services.silverbullet.enable
Whether to enable Silverbullet, an open−source, self−hosted, offline−capable Personal Knowledge Management (PKM) web application.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/silverbullet.nix>

services.silverbullet.package
The silverbullet package to use.

Type: package

Default:

```
pkgs.silverbullet
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/silverbullet.nix>

services.silverbullet.envFile
File containing extra environment variables. For example:

```
SB_USER=user:password
SB_AUTH_TOKEN=abcdefg12345
```

Type: null or absolute path

Default:

```
null
```

Example:

```
"/etc/silverbullet.env"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/silverbullet.nix>

services.silverbullet.extraArgs
Extra arguments passed to silverbullet.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--db /path/to/silverbullet.db"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/silverbullet.nix>

services.silverbullet.group
The group to run Silverbullet under. By default, a group named ‘silverbullet’ will be created.

Type: string

Default:

```
"silverbullet"
```

Example:

```
"yourGroup"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/silverbullet.nix>

services.silverbullet.listenAddress
Address or hostname to listen on. Defaults to 127.0.0.1.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/silverbullet.nix>

services.silverbullet.listenPort
Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/silverbullet.nix>

services.silverbullet.openFirewall
Open port in the firewall.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/silverbullet.nix>

services.silverbullet.spaceDir
Folder to store Silverbullet's space/workspace. By default it is located at '/var/lib/silverbullet'.

Type: absolute path

Default:

```
"/var/lib/silverbullet"
```

Example:

```
"/home/yourUser/silverbullet"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/silverbullet.nix>

services.silverbullet.user
The user to run Silverbullet as. By default, a user named 'silverbullet' will be created whose space directory is **spaceDir**.

Type: string

Default:

```
"silverbullet"
```

Example:

```
"yourUser"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/silverbullet.nix>

services.sing−box.enable
Whether to enable sing−box universal proxy platform.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sing−box.nix>

services.sing−box.package
The sing−box package to use.

Type: package

Default:

```
pkgs.sing−box
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sing−box.nix>

services.sing−box.settings
The sing−box configuration, see **https://sing−box.sagernet.org/configuration/** for documentation.

Options containing secret data should be set to an attribute set containing the attribute '_secret' − a string pointing to a file containing the value the option should be set to.

Type: open submodule of (JSON value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sing−box.nix>

services.sitespeed−io.enable
Whether to enable Sitespeed.io.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sitespeed−io.nix>

services.sitespeed−io.package
The sitespeed−io package to use.

Type: package

Default:

```
pkgs.sitespeed−io
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sitespeed−io.nix>

services.sitespeed−io.dataDir
The base sitespeed−io data directory.

Type: string

Default:

```
"/var/lib/sitespeed−io"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sitespeed−io.nix>

services.sitespeed−io.period
Systemd calendar expression when to run. See **systemd.time**(7).

Type: string

Default:

```
"hourly"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sitespeed−io.nix>

services.sitespeed−io.runs
A list of run configurations. The service will call sitespeed−io once for every run listed here. This lets you examine different websites with different sitespeed−io settings.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sitespeed−io.nix>

services.sitespeed−io.runs.*.extraArgs
Extra command line arguments to pass to the program.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sitespeed−io.nix>

services.sitespeed−io.runs.*.settings
Configuration for sitespeed−io, see **https://www.sitespeed.io/documentation/sitespeed.io/configuration/** for available options. The value here will be directly transformed to JSON and passed as '−−config' to the program.

Type: open submodule of (JSON value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sitespeed−io.nix>

services.sitespeed−io.runs.*.urls
URLs the service should monitor.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sitespeed−io.nix>

services.sitespeed−io.user
User account under which sitespeed−io runs.

Type: string

Default:

```
"sitespeed-io"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sitespeed−io.nix>

services.sks.enable

Whether to enable SKS (synchronizing key server for OpenPGP) and start the database server. You need to create "${dataDir}/dump/*.gpg" for the initial import.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/security/sks.nix>

services.sks.package

The sks package to use.

Type: package

Default:

```
pkgs.sks
```

Declared by:

<nixpkgs/nixos/modules/services/security/sks.nix>

services.sks.dataDir

Data directory (−basedir) for SKS, where the database and all configuration files are located (e.g. KDB, PTree, membership and sksconf).

Type: absolute path

Default:

```
"/var/db/sks"
```

Example:

```
"/var/lib/sks"
```

Declared by:

<nixpkgs/nixos/modules/services/security/sks.nix>

services.sks.extraDbConfig

Set contents of the files "KDB/DB_CONFIG" and "PTree/DB_CONFIG" within the ${dataDir} directory. This is used to configure options for the database for the sks key server.

Documentation of available options are available in the file named "sampleConfig/DB_CONFIG" in the following repository: https://bitbucket.org/skskeyserver/sks−keyserver/src

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/security/sks.nix>

services.sks.hkpAddress

Domain names, IPv4 and/or IPv6 addresses to listen on for HKP requests.

Type: list of string

Default:

```
[
```

```
  "127.0.0.1"
  "::1"
]
```

Declared by:
<nixpkgs/nixos/modules/services/security/sks.nix>

services.sks.hkpPort
HKP port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
11371
```

Declared by:
<nixpkgs/nixos/modules/services/security/sks.nix>

services.sks.webroot
Source directory (will be symlinked, if not null) for the files the built−in webserver should serve. SKS (${pkgs.sks.webSamples}) provides the following examples: “HTML5”, “OpenPKG”, and “XHTML+ES”. The index file can be named index.html, index.htm, index.xhtm, or index.xhtml. Files with the extensions .css, .es, .js, .jpg, .jpeg, .png, or .gif are supported. Subdirectories and filenames with anything other than alphanumeric characters and the ‘.’ character will be ignored.

Type: null or absolute path

Default:

```
"${package.webSamples}/OpenPKG"
```

Declared by:
<nixpkgs/nixos/modules/services/security/sks.nix>

services.skydns.enable
Whether to enable skydns service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/skydns.nix>

services.skydns.package
The skydns package to use.

Type: package

Default:

```
pkgs.skydns
```

Declared by:
<nixpkgs/nixos/modules/services/networking/skydns.nix>

services.skydns.address
Skydns address to bind to.

Type: string

Default:

```
"0.0.0.0:53"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/skydns.nix>

services.skydns.domain
Skydns default domain if not specified by etcd config.

Type: string

Default:

```
"skydns.local."
```

Declared by:
<nixpkgs/nixos/modules/services/networking/skydns.nix>

services.skydns.etcd.caCert
Skydns path of TLS certificate authority public key.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/skydns.nix>

services.skydns.etcd.machines
Skydns list of etcd endpoints to connect to.

Type: list of string

Default:

```
[
  "http://127.0.0.1:2379"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/skydns.nix>

services.skydns.etcd.tlsKey
Skydns path of TLS client certificate − private key.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/skydns.nix>

services.skydns.etcd.tlsPem
Skydns path of TLS client certificate − public key.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/skydns.nix>

services.skydns.extraConfig
Skydns attribute set of extra config options passed as environment variables.

Type: attribute set of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/skydns.nix>

services.skydns.nameservers
Skydns list of nameservers to forward DNS requests to when not authoritative for a domain.

Type: list of string

Default:

```
map (n: n + ":53") config.networking.nameservers
```

Example:

```
[
  "8.8.8.8:53"
  "8.8.4.4:53"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/skydns.nix>

services.slimserver.enable
Whether to enable slimserver.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/audio/slimserver.nix>

services.slimserver.package
The slimserver package to use.

Type: package

Default:

```
pkgs.slimserver
```

Declared by:
<nixpkgs/nixos/modules/services/audio/slimserver.nix>

services.slimserver.dataDir
The directory where slimserver stores its state, tag cache, playlists etc.

Type: absolute path

Default:

```
"/var/lib/slimserver"
```

Declared by:
<nixpkgs/nixos/modules/services/audio/slimserver.nix>

services.slskd.enable
Whether to enable slskd.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.package
The slskd package to use.

Type: package

Default:

```
pkgs.slskd
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.domain
If non−null, enables an nginx reverse proxy virtual host at this FQDN, at the path configurated with ‘services.slskd.web.url_base’.

Type: null or string

Default:

```
null
```

Example:

```
"slskd.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.environmentFile
Path to the environment file sourced on startup. It must at least contain the variables ‘SLSKD_SLSK_USERNAME’ and ‘SLSKD_SLSK_PASSWORD’. Web interface credentials should also be set here in ‘SLSKD_USERNAME’ and ‘SLSKD_PASSWORD’. Other, optional credentials like SOCKS5 with ‘SLSKD_SLSK_PROXY_USERNAME’ and ‘SLSKD_SLSK_PROXY_PASSWORD’ should all reside here instead of in the world−readable nix store. Variables are documented at **https://github.com/slskd/slskd/blob/master/docs/config.md**

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.group
Group under which slskd runs.

Type: string

Default:

```
"slskd"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx
This option customizes the nginx virtual host set up for slskd.

Type: submodule

Default:

```
{ }
```

Example:

```
{
  enableACME = true;
  forceSSL = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.enableACME
Whether to ask Let’s Encrypt to sign a certificate for this vhost. Alternately, you can use an existing certificate through **useACMEHost**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.acmeFallbackHost
Host which to proxy requests to if ACME challenge is not found. Useful if you want multiple hosts to be able to verify the same domain name.

With this option, you could request certificates for the present domain with an ACME client that is running on another host, which you would specify here.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.acmeRoot
Directory for the ACME challenge, which is **public**. Don’t put certs or keys in here. Set to null to inherit from config.security.acme.

Type: null or string

Default:

```
"/var/lib/acme/acme−challenge"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.addSSL

Whether to enable HTTPS in addition to plain HTTP. This will set defaults for 'listen' to listen on all interfaces on the respective default ports (80, 443).

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.basicAuth

Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.basicAuthFile

Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.default

Makes this vhost the default.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.extraConfig

These lines go to the end of the vhost verbatim.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.forceSSL
Whether to add a separate nginx server block that redirects (defaults to 301, configurable with 'redirectCode') all plain HTTP traffic to HTTPS. This will set defaults for 'listen' to listen on all interfaces on the respective default ports (80, 443), where the non−SSL listens are used for the redirect vhosts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.globalRedirect
If set, all requests for this host are redirected (defaults to 301, configurable with 'redirectCode') to the given hostname.

Type: null or string

Default:

```
null
```

Example:

```
"newserver.example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.http2
Whether to enable the HTTP/2 protocol. Note that (as of writing) due to nginx's implementation, to disable HTTP/2 you have to disable it on all vhosts that use a given IP address / port. If there is one server block configured to enable http2, then it is enabled for all server blocks on this IP. See **https://stackoverflow.com/a/39466948/263061**.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.http3
Whether to enable the HTTP/3 protocol. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that HTTP/3 support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/** HTTP/3 availability must be manually advertised, preferably in each location block.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.http3_hq

Whether to enable the HTTP/0.9 protocol negotiation used in QUIC interoperability tests. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that special application protocol support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.kTLS

Whether to enable kTLS support. Implementing TLS in the kernel (kTLS) improves performance by significantly reducing the need for copying operations between user space and the kernel. Required Nginx version 1.21.4 or later.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.listen

Listen addresses and ports for this virtual host. IPv6 addresses must be enclosed in square brackets. Note: this option overrides 'addSSL' and 'onlySSL'.

If you only want to set the addresses manually and not the ports, take a look at 'listenAddresses'.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    addr = "195.154.1.1";
    port = 443;
    ssl = true;
  }
  {
    addr = "192.154.1.1";
    port = 80;
  }
  {
    addr = "unix:/var/run/nginx.sock";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.listen.*.addr
Listen address.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.listen.*.extraParameters
Extra parameters of this listen directive.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "backlog=1024"
  "deferred"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.listen.*.port
Port number to listen on. If unset and the listen address is not a socket then nginx defaults to 80.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.listen.*.proxyProtocol
Enable PROXY protocol.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.listen.*.ssl
Enable SSL.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.listenAddresses

Listen addresses for this virtual host. Compared to ‘listen’ this only sets the addresses and the ports are chosen automatically.

Note: This option overrides ‘networking.enableIPv6’

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "127.0.0.1"
  "[::1]"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.locations

Declarative location config

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "/" = {
    proxyPass = "http://localhost:3000";
  };
};
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.locations.<name>.alias

Alias directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/alias/directory"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.locations.<name>.basicAuth

Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.locations.<name>.basicAuthFile
Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.locations.<name>.extraConfig
These lines go to the end of the location verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.locations.<name>.fastcgiParams
FastCGI parameters to override. Unlike in the Nginx configuration file, overriding only some default parameters won’t unset the default values for other parameters.

Type: attribute set of (string or absolute path)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.locations.<name>.index
Adds index directive.

Type: null or string

Default:

```
null
```

Example:

```
"index.php index.html"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.locations.<name>.priority

Order of this location block in relation to the others in the vhost. The semantics are the same as with ‘lib.mkOrder’. Smaller values have a greater priority.

Type: signed integer

Default:

```
1000
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.locations.<name>.proxyPass

Adds proxy_pass directive and sets recommended proxy headers if recommendedProxySettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"http://www.example.org/"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.locations.<name>.proxyWebsockets

Whether to support proxying websocket connections with HTTP/1.1.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.locations.<name>.recommendedProxySettings

Enable recommended proxy settings.

Type: boolean

Default:

```
config.services.nginx.recommendedProxySettings
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.locations.<name>.recommendedUwsgiSettings

Enable recommended uwsgi settings.

Type: boolean

Default:

```
config.services.nginx.recommendedUwsgiSettings
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.locations.<name>.return
Adds a return directive, for e.g. redirections.

Type: null or string or signed integer

Default:

```
null
```

Example:

```
"301 http://example.com$request_uri"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.locations.<name>.root
Root directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/root/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.locations.<name>.tryFiles
Adds try_files directive.

Type: null or string

Default:

```
null
```

Example:

```
"$uri =404"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.locations.<name>.uwsgiPass
Adds uwsgi_pass directive and sets recommended proxy headers if recommendedUwsgiSettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"unix:/run/example/example.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.onlySSL

Whether to enable HTTPS and reject plain HTTP connections. This will set defaults for ‘listen’ to listen on all interfaces on port 443.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.quic

Whether to enable the QUIC transport protocol. Note that QUIC support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.redirectCode

HTTP status used by ‘globalRedirect’ and ‘forceSSL’. Possible usecases include temporary (302, 307) redirects, keeping the request method and body (307, 308), or explicitly resetting the method to GET (303). See **https://developer.mozilla.org/en−US/docs/Web/HTTP/Redirections**.

Type: integer between 300 and 399 (both inclusive)

Default:

```
301
```

Example:

```
308
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.rejectSSL

Whether to listen for and reject all HTTPS connections to this vhost. Useful in **default** server blocks to avoid serving the certificate for another vhost. Uses the ‘ssl_reject_handshake’ directive available in nginx versions 1.19.4 and above.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.reuseport

Create an individual listening socket . It is required to specify only once on one of the hosts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.root
The path of the web root directory.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/data/webserver/docs"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.serverAliases
Additional names of virtual hosts served by this virtual host configuration.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
  "example.org"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.serverName
Name of this virtual host. Defaults to attribute name in virtualHosts.

Type: null or string

Default:

```
null
```

Example:

```
"example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.sslCertificate
Path to server SSL certificate.

Type: absolute path

Example:

```
"/var/host.cert"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.sslCertificateKey

Path to server SSL certificate key.

Type: absolute path

Example:

```
"/var/host.key"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.sslTrustedCertificate

Path to root SSL certificate for stapling and client certificates.

Type: null or absolute path

Default:

```
null
```

Example:

```
"${pkgs.cacert}/etc/ssl/certs/ca−bundle.crt"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.nginx.useACMEHost

A host of an existing Let's Encrypt certificate to use. This is useful if you have many subdomains and want to avoid hitting the **rate limit**. Alternately, you can generate a certificate through **enableACME**. *Note that this option does not create any certificates, nor it does add subdomains to existing ones – you will need to create them manually using* **security.acme.certs**[2].

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

2. see the **security.acme.certs** option

services.slskd.openFirewall

Whether to open the firewall for the soulseek network listen port (not the web interface port).

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.settings

Application configuration for slskd. See **documentation**.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.settings.directories.downloads
Directory where downloaded files are stored.

Type: null or absolute path

Default:

```
"/var/lib/slskd/downloads"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.settings.directories.incomplete
Directory where incomplete downloading files are stored.

Type: null or absolute path

Default:

```
"/var/lib/slskd/incomplete"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.settings.filters.search.request
Incoming search requests which match this filter are ignored.

Type: list of string

Default:

```
[ ]
```

Example:

```
[ "^.{1,2}$" ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.settings.flags.force_share_scan
Force a rescan of shares on every startup.

Type: boolean

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.settings.global.download.slots
Limit of the number of concurrent download slots.

Type: unsigned integer, meaning >=0

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.settings.global.download.speed_limit
Total upload download limit

Type: unsigned integer, meaning >=0

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.settings.global.upload.slots
Limit of the number of concurrent upload slots.

Type: unsigned integer, meaning >=0

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.settings.global.upload.speed_limit
Total upload speed limit.

Type: unsigned integer, meaning >=0

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.settings.remote_file_management
Whether to enable modification of share contents through the web ui.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.settings.retention.files.complete
Lifespan of completely downloaded files in minutes.

Type: unsigned integer, meaning >=0

Default:

```
"(indefinite)"
```

Example:

```
20160
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.settings.retention.files.incomplete
Lifespan of incomplete downloading files in minutes.

Type: unsigned integer, meaning >=0

Default:

```
"(indefinite)"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.settings.retention.transfers.download.cancelled
Lifespan of cancelled download tasks.

Type: unsigned integer, meaning >=0

Default:

```
"(indefinite)"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.settings.retention.transfers.download.errored
Lifespan of errored download tasks.

Type: unsigned integer, meaning >=0

Default:

```
"(indefinite)"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.settings.retention.transfers.download.succeeded
Lifespan of succeeded download tasks.

Type: unsigned integer, meaning >=0

Default:

```
"(indefinite)"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.settings.retention.transfers.upload.cancelled
Lifespan of cancelled upload tasks.

Type: unsigned integer, meaning >=0

Default:

```
"(indefinite)"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.settings.retention.transfers.upload.errored
Lifespan of errored upload tasks.

Type: unsigned integer, meaning >=0

Default:

```
"(indefinite)"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.settings.retention.transfers.upload.succeeded
Lifespan of succeeded upload tasks.

Type: unsigned integer, meaning >=0

Default:

```
"(indefinite)"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.settings.rooms
Chat rooms to join on startup.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.settings.shares.directories
Paths to shared directories. See **documentation** for advanced usage.

Type: list of string

Default:

```
[ ]
```

Example:

```
[ "/home/John/Music" "!/home/John/Music/Recordings" "[Music Drive]/ \
mnt" ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.settings.shares.filters
Regular expressions of files to exclude from sharing.

Type: list of string

Default:

```
[ ]
```

Example:

```
[ "\.ini$" "Thumbs.db$" "\.DS_Store$" ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.settings.soulseek.description
The user description for the Soulseek network.

Type: string

Default:

```
"A slskd user. https://github.com/slskd/slskd"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.settings.soulseek.listen_port
The port on which to listen for incoming connections.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
50300
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.settings.web.https.disabled
Disable the built−in HTTPS server

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.settings.web.port
The HTTP listen port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5030
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.settings.web.url_base
The base path in the url for web requests.

Type: absolute path

Default:

```
"/"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slskd.user
User account under which slskd runs.

Type: string

Default:

```
"slskd"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/slskd.nix>

services.slurm.enableSrunX11
If enabled srun will accept the option “–x11” to allow for X11 forwarding from within an interactive session or a batch job. This activates the slurm−spank−x11 module. Note that this option also enables **services.openssh.forwardX11** on the client.

This option requires slurm to be compiled without native X11 support. The default behavior is to re−compile the slurm package with native X11 support disabled if this option is set to true.

To use the native X11 support add ‘PrologFlags=X11’ in **extraConfig**. Note that this method will only work RSA SSH host keys.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/computing/slurm/slurm.nix>

services.slurm.enableStools
Whether to provide a *slurm.conf* file. Enable this option if you do not run a slurm daemon on this host (i.e. ‘server.enable’ and ‘client.enable’ are ‘false’) but you still want to run slurm commands from this host.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/computing/slurm/slurm.nix>

services.slurm.package
The slurm package to use.

Type: package

Default:

```
pkgs.slurm
```

Example:

```
slurm-full
```

Declared by:
<nixpkgs/nixos/modules/services/computing/slurm/slurm.nix>

services.slurm.client.enable
Whether to enable slurm client daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/computing/slurm/slurm.nix>

services.slurm.clusterName
Necessary to distinguish accounting records in a multi−cluster environment.

Type: string

Default:

```
"default"
```

Example:

```
"myCluster"
```

Declared by:
<nixpkgs/nixos/modules/services/computing/slurm/slurm.nix>

services.slurm.controlAddr
Name that ControlMachine should be referred to in establishing a communications path.

Type: null or string

Default:

```
config.services.slurm.controlMachine
```

Example:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/computing/slurm/slurm.nix>

services.slurm.controlMachine

The short hostname of the machine where SLURM control functions are executed (i.e. the name returned by the command “hostname −s”, use “tux001” rather than “tux001.my.com”).

Type: null or string

Default:

```
null
```

Example:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/computing/slurm/slurm.nix>

services.slurm.dbdserver.enable

Whether to enable SlurmDBD service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/computing/slurm/slurm.nix>

services.slurm.dbdserver.dbdHost

Hostname of the machine where ‘slurmdbd’ is running (i.e. name returned by ‘hostname −s’).

Type: string

Default:

```
config.networking.hostName
```

Declared by:

<nixpkgs/nixos/modules/services/computing/slurm/slurm.nix>

services.slurm.dbdserver.extraConfig

Extra configuration for *slurmdbd.conf* See also: **slurmdbd.conf**(8).

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/computing/slurm/slurm.nix>

services.slurm.dbdserver.storagePassFile

Path to file with database password. The content of this will be used to create the password for the ‘StoragePass’ option.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/computing/slurm/slurm.nix>

services.slurm.dbdserver.storageUser
Database user name.

Type: string

Default:

```
config.services.slurm.user
```

Declared by:
<nixpkgs/nixos/modules/services/computing/slurm/slurm.nix>

services.slurm.extraCgroupConfig
Extra configuration for *cgroup.conf*. This file is used when 'procTrackType=proctrack/cgroup'.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/computing/slurm/slurm.nix>

services.slurm.extraConfig
Extra configuration options that will be added verbatim at the end of the slurm configuration file.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/computing/slurm/slurm.nix>

services.slurm.extraConfigPaths
Slurm expects config files for plugins in the same path as *slurm.conf*. Add extra nix store paths that should be merged into same directory as *slurm.conf*.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/computing/slurm/slurm.nix>

services.slurm.extraPlugstackConfig
Extra configuration that will be added to the end of *plugstack.conf*.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/computing/slurm/slurm.nix>

services.slurm.mpi.PmixCliTmpDirBase
Base path for PMIx temporary files.

Type: string

Default:

```
"/tmp/pmix"
```

Declared by:
<nixpkgs/nixos/modules/services/computing/slurm/slurm.nix>

services.slurm.mpi.extraMpiConfig
Extra configuration for that will be added to *mpi.conf*.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/computing/slurm/slurm.nix>

services.slurm.nodeName
Name that SLURM uses to refer to a node (or base partition for BlueGene systems). Typically this would be the string that "/bin/hostname −s" returns. Note that now you have to write node's parameters after the name.

Type: list of string

Default:

```
[ ]
```

Example:

```
[ "linux[1−32] CPUs=1 State=UNKNOWN" ];
```

Declared by:
<nixpkgs/nixos/modules/services/computing/slurm/slurm.nix>

services.slurm.partitionName
Name by which the partition may be referenced. Note that now you have to write the partition's parameters after the name.

Type: list of string

Default:

```
[ ]
```

Example:

```
[ "debug Nodes=linux[1−32] Default=YES MaxTime=INFINITE State=UP"  \
];
```

Declared by:
<nixpkgs/nixos/modules/services/computing/slurm/slurm.nix>

services.slurm.procTrackType
Plugin to be used for process tracking on a job step basis. The slurmd daemon uses this mechanism to identify all processes which are children of processes it spawns for a user job step.

Type: string

Default:

```
"proctrack/linuxproc"
```

Declared by:
<nixpkgs/nixos/modules/services/computing/slurm/slurm.nix>

services.slurm.rest.enable
Whether to enable slurm REST daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/computing/slurm/slurm.nix>

services.slurm.rest.environment
Environment variables to set for the slurmrestd daemon, see slurmrestd(8).

Type: open submodule of attribute set of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/computing/slurm/slurm.nix>

services.slurm.rest.environment.SLURMRESTD_DEBUG
Set debug level explicitly. Valid values are 0−9, or the same string values as the debug options such as SlurmctldDebug in slurm.conf(5).

Type: string

Default:

```
"info"
```

Declared by:
<nixpkgs/nixos/modules/services/computing/slurm/slurm.nix>

services.slurm.rest.environment.SLURMRESTD_LISTEN
Comma−delimited list of host:port pairs or unix sockets to listen on.

Type: string

Default:

```
":6820"
```

Declared by:
<nixpkgs/nixos/modules/services/computing/slurm/slurm.nix>

services.slurm.rest.environment.SLURM_JWT
This variable must be set to use JWT token authentication.

Type: string

Default:

```
"daemon"
```

Declared by:
<nixpkgs/nixos/modules/services/computing/slurm/slurm.nix>

services.slurm.rest.options

Extra command−line options to pass to slurmrestd.

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/computing/slurm/slurm.nix>

services.slurm.server.enable

Whether to enable the slurm control daemon. Note that the standard authentication method is “munge”. The “munge” service needs to be provided with a password file in order for slurm to work properly (see ‘services.munge.password’).

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/computing/slurm/slurm.nix>

services.slurm.server.flags

Flags passed to ‘slurmctld’ daemon, see **slurmctld**(8). Special characters are properly escaped.

Type: attribute set of (string or boolean or floating point number or signed integer)

Default:

```
{ }
```

Example:

```
{
  L = "/var/log/file with space.log";
  i = true;
  n = 10;
  systemd = true;
}
```

Declared by:

<nixpkgs/nixos/modules/services/computing/slurm/slurm.nix>

services.slurm.stateSaveLocation

Directory into which the Slurm controller, slurmctld, saves its state.

Type: string

Default:

```
"/var/spool/slurmctld"
```

Declared by:

<nixpkgs/nixos/modules/services/computing/slurm/slurm.nix>

services.slurm.user

Set this option when you want to run the slurmctld daemon as something else than the default slurm user “slurm”. Note that the UID of this user needs to be the same on all nodes.

Type: string

Default:

```
"slurm"
```

Declared by:
<nixpkgs/nixos/modules/services/computing/slurm/slurm.nix>

services.smartd.enable
Whether to enable smartd daemon from ‘smartmontools’ package.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/smartd.nix>

services.smartd.autodetect
Whenever smartd should monitor all devices connected to the machine at the time it’s being started (the default).

Set to false to monitor the devices listed in **services.smartd.devices** only.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/smartd.nix>

services.smartd.defaults.autodetected
Like **services.smartd.defaults.monitored**, but for the autodetected devices.

Type: strings concatenated with " "

Default:

```
config.services.smartd.defaults.monitored
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/smartd.nix>

services.smartd.defaults.monitored
Common default options for explicitly monitored (listed in **services.smartd.devices**) devices.

The default value turns on monitoring of all the things (see ‘man 5 smartd.conf’).

The example also turns on SMART Automatic Offline Testing on startup, and schedules short self−tests daily, and long self−tests weekly.

Type: strings concatenated with " "

Default:

```
"−a"
```

Example:

```
"−a −o on −s (S/../../02|L/../../7/04)"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/smartd.nix>

services.smartd.devices

List of devices to monitor.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    device = "/dev/sda";
  }
  {
    device = "/dev/sdb";
    options = "-d sat";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/smartd.nix>

services.smartd.devices.*.device

Location of the device.

Type: string

Example:

```
"/dev/sda"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/smartd.nix>

services.smartd.devices.*.options

Options that determine how smartd monitors the device.

Type: strings concatenated with " "

Default:

```
""
```

Example:

```
"-d sat"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/smartd.nix>

services.smartd.extraOptions

Extra command-line options passed to the ‘smartd’ daemon on startup.

(See ‘man 8 smartd’.)

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-A /var/log/smartd/"
  "--interval=3600"
```

```
]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/smartd.nix>

services.smartd.notifications.mail.enable
Whenever to send e−mail notifications.

Type: boolean

Default:

```
config.services.mail.sendmailSetuidWrapper != null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/smartd.nix>

services.smartd.notifications.mail.mailer
Sendmail−compatible binary to be used to send the messages.

You should probably enable **services.postfix** or some other MTA for this to work.

Type: absolute path

Default:

```
"/run/wrappers/bin/sendmail"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/smartd.nix>

services.smartd.notifications.mail.recipient
Recipient of the notification messages.

Type: string

Default:

```
"root"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/smartd.nix>

services.smartd.notifications.mail.sender
Sender of the notification messages. Acts as the value of ‘email’ in the emails’ ‘From: ...’ field.

Type: string

Default:

```
"root"
```

Example:

```
"example@domain.tld"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/smartd.nix>

services.smartd.notifications.systembus−notify.enable
Whenever to send systembus−notify notifications.

WARNING: enabling this option (while convenient) should *not* be done on a machine where you do not trust the other users as it allows any other local user to DoS your session by spamming notifications.

To actually see the notifications in your GUI session, you need to have ‘systembus−notify’ running as your user, which this option handles by enabling **services.systembus−notify**.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/smartd.nix>

services.smartd.notifications.test

Whenever to send a test notification on startup.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/smartd.nix>

services.smartd.notifications.wall.enable

Whenever to send wall notifications to all users.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/smartd.nix>

services.smartd.notifications.x11.enable

Whenever to send X11 xmessage notifications.

Type: boolean

Default:

```
config.services.xserver.enable
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/smartd.nix>

services.smartd.notifications.x11.display

DISPLAY to send X11 notifications to.

Type: string

Default:

```
":${toString config.services.xserver.display}"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/smartd.nix>

services.smartdns.enable

Whether to enable SmartDNS DNS server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/smartdns.nix>

services.smartdns.bindPort
DNS listening port number.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
53
```

Declared by:
<nixpkgs/nixos/modules/services/networking/smartdns.nix>

services.smartdns.settings
A set that will be generated into configuration file, see the **SmartDNS README** for details of configuration parameters. You could override the options here like **services.smartdns.bindPort** by writing 'settings.bind = ":5353 −no−rule −group example";'.

Type: attribute set of ((list of (string or signed integer or boolean)) or (string or signed integer or boolean) convertible to it)

Default:

```
{ }
```

Example:

```
{
  bind = ":5353 -no-rule -group example";
  cache-size = 4096;
  server-tls = [ "8.8.8.8:853" "1.1.1.1:853" ];
  server-https = "https://cloudflare-dns.com/dns-query -exclude \
-default-group";
  prefetch-domain = true;
  speed-check-mode = "ping,tcp:80";
};
```

Declared by:
<nixpkgs/nixos/modules/services/networking/smartdns.nix>

services.smokeping.enable
Whether to enable smokeping service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/smokeping.nix>

services.smokeping.package
The smokeping package to use.

Type: package

Default:

```
pkgs.smokeping
```

Declared by:
<nixpkgs/nixos/modules/services/networking/smokeping.nix>

services.smokeping.alertConfig
Configuration for alerts.

Type: strings concatenated with “\n”

Default:

```
to = root@localhost
from = smokeping@localhost
```

Example:

```
to = alertee@address.somewhere
from = smokealert@company.xy

+someloss
type = loss
# in percent
pattern = >0%,*12*,>0%,*12*,>0%
comment = loss 3 times  in a row;
```

Declared by:
<nixpkgs/nixos/modules/services/networking/smokeping.nix>

services.smokeping.cgiUrl
URL to the smokeping cgi.

Type: string

Default:

```
"http://${hostName}/smokeping.cgi"
```

Example:

```
"https://somewhere.example.com/smokeping.cgi"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/smokeping.nix>

services.smokeping.config
Full smokeping config supplied by the user. Overrides and replaces any other configuration supplied.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/smokeping.nix>

services.smokeping.databaseConfig
Configure the ping frequency and retention of the rrd files. Once set, changing the interval will require deletion or migration of all the collected data.

Type: strings concatenated with “\n”

Default:

```
step     = 300
pings    = 20
# consfn mrhb steps total
AVERAGE  0.5   1  1008
```

```
AVERAGE  0.5  12  4320
    MIN  0.5  12  4320
    MAX  0.5  12  4320
AVERAGE  0.5 144   720
    MAX  0.5 144   720
    MIN  0.5 144   720
```

Example:

```
# near constant pings.
step     = 30
pings    = 20
# consfn mrhb steps total
AVERAGE  0.5   1  10080
AVERAGE  0.5  12  43200
    MIN  0.5  12  43200
    MAX  0.5  12  43200
AVERAGE  0.5 144   7200
    MAX  0.5 144   7200
    MIN  0.5 144   7200
```

Declared by:

<nixpkgs/nixos/modules/services/networking/smokeping.nix>

services.smokeping.extraConfig

Any additional customization not already included.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/networking/smokeping.nix>

services.smokeping.host

Host/IP to bind to for the web server.

Setting it to ‘null’ skips passing the −h option to thttpd, which makes it bind to all interfaces.

Type: null or string

Default:

```
"localhost"
```

Example:

```
"192.0.2.1"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/smokeping.nix>

services.smokeping.hostName

DNS name for the urls generated in the cgi.

Type: string

Default:

```
config.networking.fqdn
```

Example:

```
"somewhere.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/smokeping.nix>

services.smokeping.imgUrl
Base url for images generated in the cgi.

The default is a relative URL to ensure it works also when e.g. forwarding the GUI port via SSH.

Type: string

Default:

```
"cache"
```

Example:

```
"https://somewhere.example.com/cache"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/smokeping.nix>

services.smokeping.linkStyle
DNS name for the urls generated in the cgi.

Type: one of “original”, “absolute”, “relative”

Default:

```
"relative"
```

Example:

```
"absolute"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/smokeping.nix>

services.smokeping.mailHost
Use this SMTP server to send alerts

Type: string

Default:

```
""
```

Example:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/smokeping.nix>

services.smokeping.owner
Real name of the owner of the instance

Type: string

Default:

```
"nobody"
```

Example:

```
"Bob Foobawr"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/smokeping.nix>

services.smokeping.ownerEmail
Email contact for owner

Type: string

Default:

```
"no-reply@${hostName}"
```

Example:

```
"no-reply@yourdomain.com"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/smokeping.nix>

services.smokeping.presentationConfig
presentation graph style

Type: strings concatenated with “\n”

Default:

```
+ charts
menu = Charts
title = The most interesting destinations
++ stddev
sorter = StdDev(entries=>4)
title = Top Standard Deviation
menu = Std Deviation
format = Standard Deviation %f
++ max
sorter = Max(entries=>5)
title = Top Max Roundtrip Time
menu = by Max
format = Max Roundtrip Time %f seconds
++ loss
sorter = Loss(entries=>5)
title = Top Packet Loss
menu = Loss
format = Packets Lost %f
++ median
sorter = Median(entries=>5)
title = Top Median Roundtrip Time
menu = by Median
format = Median RTT %f seconds
+ overview
width = 600
height = 50
range = 10h
+ detail
width = 600
height = 200
unison_tolerance = 2
"Last 3 Hours"    3h
"Last 30 Hours"   30h
"Last 10 Days"    10d
```

```
"Last 360 Days"   360d
```

Declared by:
<nixpkgs/nixos/modules/services/networking/smokeping.nix>

services.smokeping.presentationTemplate
Default page layout for the web UI.

Type: string

Default:

```
"${pkgs.smokeping}/etc/basepage.html.dist"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/smokeping.nix>

services.smokeping.probeConfig
Probe configuration

Type: strings concatenated with “\n”

Default:

```
+ FPing
binary = ${config.security.wrapperDir}/fping
```

Declared by:
<nixpkgs/nixos/modules/services/networking/smokeping.nix>

services.smokeping.sendmail
Use this sendmail compatible script to deliver alerts

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/wrappers/bin/sendmail"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/smokeping.nix>

services.smokeping.smokeMailTemplate
Specify the smokemail template for alerts.

Type: string

Default:

```
"${package}/etc/smokemail.dist"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/smokeping.nix>

services.smokeping.targetConfig
Target configuration

Type: strings concatenated with “\n”

Default:

```
probe = FPing
menu = Top
title = Network Latency Grapher
remark = Welcome to the SmokePing website of xxx Company. \
```

```
                Here you will learn all about the latency of our network \
    .
      + Local
      menu = Local
      title = Local Network
      ++ LocalMachine
      menu = Local Machine
      title = This host
      host = localhost
```

Declared by:
<nixpkgs/nixos/modules/services/networking/smokeping.nix>

services.smokeping.user
User that runs smokeping and (optionally) thttpd. A group of the same name will be created as well.

Type: string

Default:

```
"smokeping"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/smokeping.nix>

services.smokeping.webService
Enable a smokeping web interface

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/smokeping.nix>

services.snapper.cleanupInterval
Cleanup interval.

The format is described in **systemd.time**(7).

Type: string

Default:

```
"1d"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/snapper.nix>

services.snapper.configs
Subvolume configuration. Any option mentioned in man:snapper−configs(5) is valid here, even if NixOS doesn’t document it.

Type: attribute set of (open submodule of attribute set of ((list of (string without line breaks or quotes)) or boolean or string without line breaks or quotes or signed integer or floating point number))

Default:

```
{ }
```

Example:

```
{
  home = {
    SUBVOLUME = "/home";
```

```
      ALLOW_USERS = [ "alice" ];
      TIMELINE_CREATE = true;
      TIMELINE_CLEANUP = true;
    };
  }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/snapper.nix>

services.snapper.configs.<name>.ALLOW_GROUPS
List of groups allowed to operate with the config.

Also see the PERMISSIONS section in man:snapper(8).

Type: list of (string without line breaks or quotes)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/snapper.nix>

services.snapper.configs.<name>.ALLOW_USERS
List of users allowed to operate with the config. “root” is always implicitly included.

Also see the PERMISSIONS section in man:snapper(8).

Type: list of (string without line breaks or quotes)

Default:

```
[ ]
```

Example:

```
[
  "alice"
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/snapper.nix>

services.snapper.configs.<name>.FSTYPE
Filesystem type. Only btrfs is stable and tested.

bcachefs support is experimental.

Type: one of “btrfs”, “bcachefs”

Default:

```
"btrfs"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/snapper.nix>

services.snapper.configs.<name>.SUBVOLUME
Path of the subvolume or mount point. This path is a subvolume and has to contain a subvolume named .snapshots. See also man:snapper(8) section PERMISSIONS.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/misc/snapper.nix>

services.snapper.configs.<name>.TIMELINE_CLEANUP
Defines whether the timeline cleanup algorithm should be run for the config.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/snapper.nix>

services.snapper.configs.<name>.TIMELINE_CREATE
Defines whether hourly snapshots should be created.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/snapper.nix>

services.snapper.configs.<name>.TIMELINE_LIMIT_DAILY
Limits for timeline cleanup.

Type: unsigned integer, meaning >=0, or string containing either a number or a range

Default:

```
10
```

Declared by:
<nixpkgs/nixos/modules/services/misc/snapper.nix>

services.snapper.configs.<name>.TIMELINE_LIMIT_HOURLY
Limits for timeline cleanup.

Type: unsigned integer, meaning >=0, or string containing either a number or a range

Default:

```
10
```

Declared by:
<nixpkgs/nixos/modules/services/misc/snapper.nix>

services.snapper.configs.<name>.TIMELINE_LIMIT_MONTHLY
Limits for timeline cleanup.

Type: unsigned integer, meaning >=0, or string containing either a number or a range

Default:

```
10
```

Declared by:
<nixpkgs/nixos/modules/services/misc/snapper.nix>

services.snapper.configs.<name>.TIMELINE_LIMIT_QUARTERLY
Limits for timeline cleanup.

Type: unsigned integer, meaning >=0, or string containing either a number or a range

Default:

Declared by:
<nixpkgs/nixos/modules/services/misc/snapper.nix>

services.snapper.configs.<name>.TIMELINE_LIMIT_WEEKLY
Limits for timeline cleanup.

Type: unsigned integer, meaning >=0, or string containing either a number or a range

Default:

Declared by:
<nixpkgs/nixos/modules/services/misc/snapper.nix>

services.snapper.configs.<name>.TIMELINE_LIMIT_YEARLY
Limits for timeline cleanup.

Type: unsigned integer, meaning >=0, or string containing either a number or a range

Default:

```
10
```

Declared by:
<nixpkgs/nixos/modules/services/misc/snapper.nix>

services.snapper.filters
Global display difference filter. See man:snapper(8) for more details.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/snapper.nix>

services.snapper.persistentTimer
Set the ‘Persistent’ option for the **systemd.timer**(5) which triggers the snapshot immediately if the last trigger was missed (e.g. if the system was powered down).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/snapper.nix>

services.snapper.snapshotInterval
Snapshot interval.

The format is described in **systemd.time**(7).

Type: string

Default:

```
"hourly"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/snapper.nix>

services.snapper.snapshotRootOnBoot

Whether to snapshot root on boot

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/snapper.nix>

services.snapraid.enable

Whether to enable SnapRAID.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/backup/snapraid.nix>

services.snapraid.contentFiles

SnapRAID content list files.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "/var/snapraid.content"
  "/mnt/disk1/snapraid.content"
  "/mnt/disk2/snapraid.content"
]
```

Declared by:

<nixpkgs/nixos/modules/services/backup/snapraid.nix>

services.snapraid.dataDisks

SnapRAID data disks.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  d1 = "/mnt/disk1/";
  d2 = "/mnt/disk2/";
  d3 = "/mnt/disk3/";
}
```

Declared by:
<nixpkgs/nixos/modules/services/backup/snapraid.nix>

services.snapraid.exclude
SnapRAID exclude directives.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "*.unrecoverable"
  "/tmp/"
  "/lost+found/"
]
```

Declared by:
<nixpkgs/nixos/modules/services/backup/snapraid.nix>

services.snapraid.extraConfig
Extra config options for SnapRAID.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
  nohidden
  blocksize 256
  hashsize 16
  autosave 500
  pool /pool
```

Declared by:
<nixpkgs/nixos/modules/services/backup/snapraid.nix>

services.snapraid.parityFiles
SnapRAID parity files.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "/mnt/diskp/snapraid.parity"
  "/mnt/diskq/snapraid.2-parity"
  "/mnt/diskr/snapraid.3-parity"
  "/mnt/disks/snapraid.4-parity"
  "/mnt/diskt/snapraid.5-parity"
  "/mnt/disku/snapraid.6-parity"
]
```

Declared by:
<nixpkgs/nixos/modules/services/backup/snapraid.nix>

services.snapraid.scrub.interval
How often to run **snapraid scrub**.

Type: string

Default:

```
"Mon *-*-* 02:00:00"
```

Example:

```
"weekly"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/snapraid.nix>

services.snapraid.scrub.olderThan
Number of days since data was last scrubbed before it can be scrubbed again.

Type: signed integer

Default:

```
10
```

Example:

```
20
```

Declared by:
<nixpkgs/nixos/modules/services/backup/snapraid.nix>

services.snapraid.scrub.plan
Percent of the array that should be checked by **snapraid scrub**.

Type: signed integer

Default:

```
8
```

Example:

```
5
```

Declared by:
<nixpkgs/nixos/modules/services/backup/snapraid.nix>

services.snapraid.sync.interval
How often to run **snapraid sync**.

Type: string

Default:

```
"01:00"
```

Example:

```
"daily"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/snapraid.nix>

services.snapraid.touchBeforeSync

Whether **snapraid touch** should be run before **snapraid sync**.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/backup/snapraid.nix>

services.snapserver.enable

Whether to enable snapserver.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/audio/snapserver.nix>

services.snapserver.package

The snapcast package to use.

Type: package

Default:

```
pkgs.snapcast
```

Declared by:

<nixpkgs/nixos/modules/services/audio/snapserver.nix>

services.snapserver.openFirewall

Whether to automatically open the specified ports in the firewall.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/audio/snapserver.nix>

services.snapserver.settings

Snapserver configuration.

Refer to the **example configuration** for possible options.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string) or a list of them for duplicate keys)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/audio/snapserver.nix>

services.snapserver.settings.http.enabled
Whether to enable the HTTP JSON−RPC.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/audio/snapserver.nix>

services.snapserver.settings.http.bind_to_address
Address to listen on for snapclient connections.

Type: unspecified value

Default:

```
"::"
```

Declared by:
<nixpkgs/nixos/modules/services/audio/snapserver.nix>

services.snapserver.settings.http.doc_root
Path to serve from the HTTP servers root.

Type: null or absolute path

Default:

```
pkgs.snapweb
```

Declared by:
<nixpkgs/nixos/modules/services/audio/snapserver.nix>

services.snapserver.settings.http.port
Port to listen on for snapclient connections.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
1780
```

Declared by:
<nixpkgs/nixos/modules/services/audio/snapserver.nix>

services.snapserver.settings.stream.source
One or multiple URIs to PCM input streams.

Type: string or list of string

Example:

```
"pipe:///tmp/snapfifo?name=default"
```

Declared by:
<nixpkgs/nixos/modules/services/audio/snapserver.nix>

services.snapserver.settings.tcp−control.enabled
Whether to enable the TCP JSON−RPC.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/audio/snapserver.nix>

services.snapserver.settings.tcp−control.bind_to_address
Address to listen on for snapclient connections.

Type: unspecified value

Default:

```
"::"
```

Declared by:
<nixpkgs/nixos/modules/services/audio/snapserver.nix>

services.snapserver.settings.tcp−control.port
Port to listen on for snapclient connections.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
1705
```

Declared by:
<nixpkgs/nixos/modules/services/audio/snapserver.nix>

services.snapserver.settings.tcp−streaming.enabled
Whether to enable streaming via TCP.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/audio/snapserver.nix>

services.snapserver.settings.tcp−streaming.bind_to_address
Address to listen on for snapclient connections.

Type: unspecified value

Default:

```
"::"
```

Declared by:
<nixpkgs/nixos/modules/services/audio/snapserver.nix>

services.snapserver.settings.tcp−streaming.port

Port to listen on for snapclient connections.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
1704
```

Declared by:

<nixpkgs/nixos/modules/services/audio/snapserver.nix>

services.snipe−it.enable

Whether to enable snipe−it, a free open source IT asset/license management system.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.appKeyFile

A file containing the Laravel APP_KEY − a 32 character long, base64 encoded key used for encryption where needed. Can be generated with 'head −c 32 /dev/urandom | base64'.

Type: absolute path

Example:

```
"/run/keys/snipe−it/appkey"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.appURL

The root URL that you want to host Snipe−IT on. All URLs in Snipe−IT will be generated using this value. If you change this in the future you may need to run a command to update stored URLs in the database. Command example: 'snipe−it snipe−it:update−url https://old.example.com https://new.example.com'

Type: string

Default:

```
http''${lib.optionalString tlsEnabled "s"}://''${cfg.hostName}
```

Example:

```
"https://example.com"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.config

Snipe−IT configuration options to set in the *.env* file. Refer to **https://snipe−it.readme.io/docs/configuration** for details on supported values.

Settings containing secret data should be set to an attribute set containing the attribute '_secret' − a string pointing to a file containing the value the option should be set to. See the example to get a better picture of this: in the resulting *.env* file, the 'OIDC_CLIENT_SECRET' key will be set to the contents of the */run/keys/oidc_secret* file.

Type: attribute set of (null or boolean or signed integer or 16 bit unsigned integer; between 0 and 65535 (both inclusive) or absolute path or string or (submodule))

Default:

```
{ }
```

Example:

```
{
  ALLOWED_IFRAME_HOSTS = "https://example.com";
  WKHTMLTOPDF = "${pkgs.wkhtmltopdf}/bin/wkhtmltopdf";
  AUTH_METHOD = "oidc";
  OIDC_NAME = "MyLogin";
  OIDC_DISPLAY_NAME_CLAIMS = "name";
  OIDC_CLIENT_ID = "snipe-it";
  OIDC_CLIENT_SECRET = {_secret = "/run/keys/oidc_secret"};
  OIDC_ISSUER = "https://keycloak.example.com/auth/realms/My%20Real \
m";
  OIDC_ISSUER_DISCOVER = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/snipe-it.nix>

services.snipe-it.dataDir
snipe-it data directory

Type: absolute path

Default:

```
"/var/lib/snipe-it"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/snipe-it.nix>

services.snipe-it.database.createLocally
Create the database and database user locally.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/snipe-it.nix>

services.snipe-it.database.host
Database host address.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/snipe-it.nix>

services.snipe−it.database.name
Database name.

Type: string

Default:

```
"snipeit"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.database.passwordFile
A file containing the password corresponding to **database.user**.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/snipe−it/dbpassword"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.database.port
Database host port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3306
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.database.user
Database username.

Type: string

Default:

```
user
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.group
Group snipe−it runs as.

Type: string

Default:

```
"snipeit"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.hostName
The hostname to serve Snipe−IT on.

Type: string

Default:

```
config.networking.fqdnOrHostName
```

Example:

```
"snipe-it.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.mail.backupNotificationAddress
Email Address to send Backup Notifications to.

Type: string

Default:

```
"backup@example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.mail.driver
Mail driver to use.

Type: one of “smtp”, “sendmail”

Default:

```
"smtp"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.mail.encryption
SMTP encryption mechanism to use.

Type: null or one of “tls”, “ssl”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.mail.from.address
Mail “from” address.

Type: string

Default:

```
"mail@example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.mail.from.name
Mail “from” name.

Type: string

Default:

```
"Snipe−IT Asset Management"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.mail.host
Mail host address.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.mail.passwordFile
A file containing the password corresponding to **mail.user**.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/snipe−it/mailpassword"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.mail.port
Mail host port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
1025
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.mail.replyTo.address
Mail “reply−to” address.

Type: string

Default:

```
"mail@example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.mail.replyTo.name

Mail “reply−to” name.

Type: string

Default:

```
"Snipe−IT Asset Management"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.mail.user

Mail username.

Type: null or string

Default:

```
null
```

Example:

```
"snipeit"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.maxUploadSize

The maximum size for uploads (e.g. images).

Type: string

Default:

```
"18M"
```

Example:

```
"1G"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx

With this option, you can customize the nginx virtualHost settings.

Type: submodule

Default:

```
{ }
```

Example:

```
{
  serverAliases = [
    "snipe−it.${config.networking.domain}"
  ];
  # To enable encryption and let let’s encrypt take care of certifi \
cate
  forceSSL = true;
  enableACME = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.enableACME
Whether to ask Let's Encrypt to sign a certificate for this vhost. Alternately, you can use an existing certificate through **useACMEHost**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.acmeFallbackHost
Host which to proxy requests to if ACME challenge is not found. Useful if you want multiple hosts to be able to verify the same domain name.

With this option, you could request certificates for the present domain with an ACME client that is running on another host, which you would specify here.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.acmeRoot
Directory for the ACME challenge, which is **public**. Don't put certs or keys in here. Set to null to inherit from config.security.acme.

Type: null or string

Default:

```
"/var/lib/acme/acme−challenge"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.addSSL
Whether to enable HTTPS in addition to plain HTTP. This will set defaults for 'listen' to listen on all interfaces on the respective default ports (80, 443).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.basicAuth
Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.basicAuthFile
Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.default
Makes this vhost the default.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.extraConfig
These lines go to the end of the vhost verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.forceSSL
Whether to add a separate nginx server block that redirects (defaults to 301, configurable with ‘redirectCode’) all plain HTTP traffic to HTTPS. This will set defaults for ‘listen’ to listen on all interfaces on the respective default ports (80, 443), where the non−SSL listens are used for the redirect vhosts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.globalRedirect
If set, all requests for this host are redirected (defaults to 301, configurable with ‘redirectCode’) to the given hostname.

Type: null or string

Default:

```
null
```

Example:

```
"newserver.example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.http2
Whether to enable the HTTP/2 protocol. Note that (as of writing) due to nginx's implementation, to disable HTTP/2 you have to disable it on all vhosts that use a given IP address / port. If there is one server block configured to enable http2, then it is enabled for all server blocks on this IP. See **https://stackoverflow.com/a/39466948/263061**.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.http3
Whether to enable the HTTP/3 protocol. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that HTTP/3 support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/** HTTP/3 availability must be manually advertised, preferably in each location block.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.http3_hq
Whether to enable the HTTP/0.9 protocol negotiation used in QUIC interoperability tests. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that special application protocol support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.kTLS
Whether to enable kTLS support. Implementing TLS in the kernel (kTLS) improves performance by significantly reducing the need for copying operations between user space and the kernel. Required Nginx version 1.21.4 or later.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.listen
Listen addresses and ports for this virtual host. IPv6 addresses must be enclosed in square brackets. Note: this option overrides ‘addSSL’ and ‘onlySSL’.

If you only want to set the addresses manually and not the ports, take a look at ‘listenAddresses’.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    addr = "195.154.1.1";
    port = 443;
    ssl = true;
  }
  {
    addr = "192.154.1.1";
    port = 80;
  }
  {
    addr = "unix:/var/run/nginx.sock";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.listen.*.addr
Listen address.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.listen.*.extraParameters
Extra parameters of this listen directive.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "backlog=1024"
  "deferred"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.listen.*.port

Port number to listen on. If unset and the listen address is not a socket then nginx defaults to 80.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.listen.*.proxyProtocol

Enable PROXY protocol.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.listen.*.ssl

Enable SSL.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.listenAddresses

Listen addresses for this virtual host. Compared to ‘listen’ this only sets the addresses and the ports are chosen automatically.

Note: This option overrides ‘networking.enableIPv6’

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "127.0.0.1"
  "[::1]"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.locations

Declarative location config

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
```

```
  "/" = {
    proxyPass = "http://localhost:3000";
  };
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.locations.<name>.alias
Alias directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/alias/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.locations.<name>.basicAuth
Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.locations.<name>.basicAuthFile
Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.locations.<name>.extraConfig
These lines go to the end of the location verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.locations.<name>.fastcgiParams
FastCGI parameters to override. Unlike in the Nginx configuration file, overriding only some default parameters won't unset the default values for other parameters.

Type: attribute set of (string or absolute path)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.locations.<name>.index
Adds index directive.

Type: null or string

Default:

```
null
```

Example:

```
"index.php index.html"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.locations.<name>.priority
Order of this location block in relation to the others in the vhost. The semantics are the same as with 'lib.mkOrder'. Smaller values have a greater priority.

Type: signed integer

Default:

```
1000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.locations.<name>.proxyPass
Adds proxy_pass directive and sets recommended proxy headers if recommendedProxySettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"http://www.example.org/"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.locations.<name>.proxyWebsockets
Whether to support proxying websocket connections with HTTP/1.1.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.locations.<name>.recommendedProxySettings
Enable recommended proxy settings.

Type: boolean

Default:

```
config.services.nginx.recommendedProxySettings
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.locations.<name>.recommendedUwsgiSettings
Enable recommended uwsgi settings.

Type: boolean

Default:

```
config.services.nginx.recommendedUwsgiSettings
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.locations.<name>.return
Adds a return directive, for e.g. redirections.

Type: null or string or signed integer

Default:

```
null
```

Example:

```
"301 http://example.com$request_uri"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.locations.<name>.root
Root directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/root/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.locations.<name>.tryFiles
Adds try_files directive.

Type: null or string

Default:

```
null
```

Example:

```
"$uri =404"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.locations.<name>.uwsgiPass

Adds uwsgi_pass directive and sets recommended proxy headers if recommendedUwsgiSettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"unix:/run/example/example.sock"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.onlySSL

Whether to enable HTTPS and reject plain HTTP connections. This will set defaults for 'listen' to listen on all interfaces on port 443.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.quic

Whether to enable the QUIC transport protocol. Note that QUIC support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.redirectCode

HTTP status used by 'globalRedirect' and 'forceSSL'. Possible usecases include temporary (302, 307) redirects, keeping the request method and body (307, 308), or explicitly resetting the method to GET (303). See **https://developer.mozilla.org/en−US/docs/Web/HTTP/Redirections**.

Type: integer between 300 and 399 (both inclusive)

Default:

```
301
```

Example:

```
308
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.rejectSSL

Whether to listen for and reject all HTTPS connections to this vhost. Useful in **default** server blocks to avoid serving the certificate for another vhost. Uses the 'ssl_reject_handshake' directive available in nginx versions 1.19.4 and above.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.reuseport

Create an individual listening socket . It is required to specify only once on one of the hosts.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.root

The path of the web root directory.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/data/webserver/docs"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.serverAliases

Additional names of virtual hosts served by this virtual host configuration.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
  "example.org"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.serverName

Name of this virtual host. Defaults to attribute name in virtualHosts.

Type: null or string

Default:

```
null
```

Example:

```
"example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.sslCertificate
Path to server SSL certificate.

Type: absolute path

Example:

```
"/var/host.cert"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.sslCertificateKey
Path to server SSL certificate key.

Type: absolute path

Example:

```
"/var/host.key"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.sslTrustedCertificate
Path to root SSL certificate for stapling and client certificates.

Type: null or absolute path

Default:

```
null
```

Example:

```
"${pkgs.cacert}/etc/ssl/certs/ca−bundle.crt"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.nginx.useACMEHost
A host of an existing Let's Encrypt certificate to use. This is useful if you have many subdomains and want to avoid hitting the **rate limit**. Alternately, you can generate a certificate through **enableACME**. *Note that this option does not create any certificates, nor it does add subdomains to existing ones – you will need to create them manually using* **security.acme.certs**[2].

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

2. see the **security.acme.certs** option

services.snipe−it.poolConfig

Options for the snipe−it PHP pool. See the documentation on ‘php−fpm.conf’ for details on configuration directives.

Type: attribute set of (string or signed integer or boolean)

Default:

```
{
  pm = "dynamic";
  "pm.max_children" = 32;
  "pm.max_requests" = 500;
  "pm.max_spare_servers" = 4;
  "pm.min_spare_servers" = 2;
  "pm.start_servers" = 2;
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.snipe−it.user

User snipe−it runs as.

Type: string

Default:

```
"snipeit"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/snipe−it.nix>

services.sniproxy.enable

Whether to enable sniproxy server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/sniproxy.nix>

services.sniproxy.config

sniproxy.conf configuration excluding the daemon username and pid file.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
error_log {
  filename /var/log/sniproxy/error.log
}
access_log {
  filename /var/log/sniproxy/access.log
}
listen 443 {
```

```
    proto tls
  }
  table {
    example.com 192.0.2.10
    example.net 192.0.2.20
  }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sniproxy.nix>

services.sniproxy.group
Group under which sniproxy runs.

Type: string

Default:

```
"sniproxy"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sniproxy.nix>

services.sniproxy.user
User account under which sniproxy runs.

Type: string

Default:

```
"sniproxy"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sniproxy.nix>

services.snips−sh.enable
Whether to enable snips.sh.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snips−sh.nix>

services.snips−sh.package
The snips−sh package to use.

Type: package

Default:

```
pkgs.snips−sh
```

Example:

```
pkgs.snips−sh.override {withTensorflow = true;}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snips−sh.nix>

services.snips−sh.environmentFile

Additional environment file as defined in **systemd.exec**(5).

Sensitive secrets such as **SNIPS_SSH_HOSTKEYPATH** and **SNIPS_METRICS_STATSD** may be passed to the service while avoiding potentially making them world−readable in the nix store or to convert an existing non−nix installation with minimum hassle.

Note that this file needs to be available on the host on which ‘snips−sh’ is running.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/etc/snips-sh.env"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/snips−sh.nix>

services.snips−sh.settings

The configuration of snips−sh is done through environment variables, therefore you must use upper snake case (e.g. **SNIPS_HTTP_INTERNAL**).

Based on the attributes passed to this config option an environment file will be generated that is passed to snips−sh’s systemd service.

The available configuration options can be found in **self−hosting guide** to find about the environment variables you can use.

Type: open submodule of attribute set of (null or string or signed integer or boolean)

Default:

```
{ }
```

Example:

```
{
  SNIPS_HTTP_INTERNAL = "http://0.0.0.0:8080";
  SNIPS_SSH_INTERNAL = "ssh://0.0.0.0:2222";
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/snips−sh.nix>

services.snips−sh.settings.SNIPS_HTTP_INTERNAL

The internal HTTP address of the service

Type: string

Declared by:

<nixpkgs/nixos/modules/services/web−apps/snips−sh.nix>

services.snips−sh.settings.SNIPS_SSH_INTERNAL

The internal SSH address of the service

Type: string

Declared by:

<nixpkgs/nixos/modules/services/web−apps/snips−sh.nix>

services.snips−sh.stateDir
The state directory of the service.

Type: absolute path

Default:

```
"/var/lib/snips−sh"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/snips−sh.nix>

services.snmpd.enable
Whether to enable snmpd.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/snmpd.nix>

services.snmpd.package
The net−snmp package to use.

Type: package

Default:

```
pkgs.net−snmp
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/snmpd.nix>

services.snmpd.configFile
Path to the snmpd.conf file. By default, if **configText** is set, a config file will be automatically generated.

Type: absolute path

Default: The value of **configText**.

Declared by:
<nixpkgs/nixos/modules/services/monitoring/snmpd.nix>

services.snmpd.configText
The contents of the snmpd.conf. If the **configFile** option is set, this value will be ignored.

Note that the contents of this option will be added to the Nix store as world−readable plain text, **configFile** can be used in addition to a secret management tool to protect sensitive data.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/snmpd.nix>

services.snmpd.listenAddress

The address to listen on for SNMP and AgentX messages.

Type: string

Default:

```
"0.0.0.0"
```

Example:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/snmpd.nix>

services.snmpd.openFirewall

Open port in firewall for snmpd.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/snmpd.nix>

services.snmpd.port

The port to listen on for SNMP and AgentX messages.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
161
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/snmpd.nix>

services.snowflake−proxy.enable

Whether to enable snowflake−proxy, a system to defeat internet censorship.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/snowflake−proxy.nix>

services.snowflake−proxy.broker

Broker URL (default “https://snowflake−broker.torproject.net/”)

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/snowflake−proxy.nix>

services.snowflake−proxy.capacity
Limits the amount of maximum concurrent clients allowed.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/snowflake−proxy.nix>

services.snowflake−proxy.extraFlags
Extra flags to pass to snowflake−proxy

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "−metrics"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/snowflake−proxy.nix>

services.snowflake−proxy.relay
websocket relay URL (default “wss://snowflake.bamsoftware.com/”)

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/snowflake−proxy.nix>

services.snowflake−proxy.stun
STUN broker URL (default “stun:stun.stunprotocol.org:3478”)

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/snowflake−proxy.nix>

services.soft−serve.enable
Whether to enable soft−serve.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/soft−serve.nix>

services.soft−serve.package
The soft−serve package to use.

Type: package

Default:

```
pkgs.soft-serve
```

Declared by:
<nixpkgs/nixos/modules/services/misc/soft−serve.nix>

services.soft−serve.settings
The contents of the configuration file for soft−serve.

See **https://charm.sh/blog/self−hosted−soft−serve/**.

Type: YAML 1.1 value

Default:

```
{ }
```

Example:

```
{
  name = "user's repos";
  log_format = "text";
  ssh = {
    listen_addr = ":23231";
    public_url = "ssh://localhost:23231";
    max_timeout = 30;
    idle_timeout = 120;
  };
  stats.listen_addr = ":23233";
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/soft−serve.nix>

services.softether.enable
Whether to enable SoftEther VPN services.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/softether.nix>

services.softether.package
The softether package to use.

Type: package

Default:

```
pkgs.softether
```

Declared by:
<nixpkgs/nixos/modules/services/networking/softether.nix>

services.softether.dataDir
Data directory for SoftEther VPN.

Type: absolute path

Default:

```
"/var/lib/softether"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/softether.nix>

services.softether.vpnbridge.enable
Whether to enable SoftEther VPN Bridge.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/softether.nix>

services.softether.vpnclient.enable
Whether to enable SoftEther VPN Client.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/softether.nix>

services.softether.vpnclient.down
Shell commands executed when the Virtual Network Adapter(s) is/are shutting down.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/softether.nix>

services.softether.vpnclient.up
Shell commands executed when the Virtual Network Adapter(s) is/are starting.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/softether.nix>

services.softether.vpnserver.enable
Whether to enable SoftEther VPN Server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/softether.nix>

services.sogo.enable
Whether to enable SOGo groupware.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sogo.nix>

services.sogo.configReplaces
Replacement−filepath mapping for sogo.conf. Every key is replaced with the contents of the file specified as value.

In the example, every occurrence of LDAP_BINDPW will be replaced with the text of the specified file.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  LDAP_BINDPW = "/var/lib/secrets/sogo/ldappw";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sogo.nix>

services.sogo.ealarmsCredFile
Optional path to a credentials file for email alarms

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sogo.nix>

services.sogo.extraConfig
Extra sogo.conf configuration lines

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sogo.nix>

services.sogo.language
Language of SOGo

Type: string

Default:

```
"English"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sogo.nix>

services.sogo.timezone
Timezone of your SOGo instance

Type: string

Example:

```
"America/Montreal"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sogo.nix>

services.sogo.vhostName
Name of the nginx vhost

Type: string

Default:

```
"sogo"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sogo.nix>

services.soju.enable
Whether to enable soju.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/soju.nix>

services.soju.enableMessageLogging
Whether to enable message logging.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/soju.nix>

services.soju.package
The soju package to use.

Type: package

Default:

```
pkgs.soju
```

Declared by:
<nixpkgs/nixos/modules/services/networking/soju.nix>

services.soju.acceptProxyIP
Allow the specified IPs to act as a proxy. Proxys have the ability to overwrite the remote and local connection addresses (via the X−Forwarded−* HTTP header fields). The special name “localhost” accepts the loopback addresses 127.0.0.0/8 and ::1/128. By default, all IPs are rejected.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/soju.nix>

services.soju.adminSocket.enable
Listen for admin connections from sojuctl at /run/soju/admin.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/soju.nix>

services.soju.configFile
Path to config file. If this option is set, it will override any configuration done using other options, including **extraConfig**.

Type: absolute path

Default:

```
"Config file generated from other options."
```

Example:

```
./soju.conf
```

Declared by:
<nixpkgs/nixos/modules/services/networking/soju.nix>

services.soju.extraConfig

Lines added verbatim to the generated configuration file.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/networking/soju.nix>

services.soju.hostName

Server hostname.

Type: string

Default:

```
config.networking.hostName
```

Declared by:

<nixpkgs/nixos/modules/services/networking/soju.nix>

services.soju.httpOrigins

List of allowed HTTP origins for WebSocket listeners. The parameters are interpreted as shell patterns, see **glob**(7).

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/soju.nix>

services.soju.listen

Where soju should listen for incoming connections. See the ‘listen’ directive in **soju**(1).

Type: list of string

Default:

```
[
  ":6697"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/soju.nix>

services.soju.tlsCertificate

Path to server TLS certificate.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/host.cert"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/soju.nix>

services.soju.tlsCertificateKey

Path to server TLS certificate key.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/host.key"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/soju.nix>

services.solanum.enable

Whether to enable Solanum IRC daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/solanum.nix>

services.solanum.config

Solanum IRC daemon configuration file. check **https://github.com/solanum-ircd/solanum/blob/main/doc/reference.conf** for all options.

Type: string

Default:

```
serverinfo {
  name = "irc.example.com";
  sid = "1ix";
  description = "irc!";

  vhost = "0.0.0.0";
  vhost6 = "::";
};

listen {
  host = "0.0.0.0";
  port = 6667;
};

class "users" {
  number_per_ip = 3;
};

auth {
  user = "*@*";
  class = "users";
  flags = exceed_limit;
};
```

```
channel {
  default_split_user_count = 0;
};
```

Declared by:
<nixpkgs/nixos/modules/services/networking/solanum.nix>

services.solanum.motd
Solanum MOTD text.

Solanum will read its MOTD from '/etc/solanum/ircd.motd'. If set, the value of this option will be written to this path.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/solanum.nix>

services.solanum.openFilesLimit
Maximum number of open files. Limits the clients and server connections.

Type: signed integer

Default:

```
1024
```

Declared by:
<nixpkgs/nixos/modules/services/networking/solanum.nix>

services.sonarr.enable
Whether to enable Sonarr.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/sonarr.nix>

services.sonarr.package
The sonarr package to use.

Type: package

Default:

```
pkgs.sonarr
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/sonarr.nix>

services.sonarr.dataDir
The Sonarr home directory used to store all data. If left as the default value this directory will automatically be created before the Sonarr server starts, otherwise you are responsible for ensuring the directory exists with appropriate ownership and permissions.

Type: string

Default:

```
"/var/lib/sonarr/.config/NzbDrone"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/servarr/sonarr.nix>

services.sonarr.environmentFiles

Environment file to pass secret configuration values. Each line must follow the 'SONARR__SECTION__KEY=value' pattern. Please consult the documentation at the **wiki**.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/misc/servarr/sonarr.nix>

services.sonarr.group

Group account under which Sonarr runs.

Note

If left as the default value this group will automatically be created on system activation, otherwise you are responsible for ensuring the group exists before the Sonarr service starts.

Type: string

Default:

```
"sonarr"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/servarr/sonarr.nix>

services.sonarr.openFirewall

Open ports in the firewall for the Sonarr web interface

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/servarr/sonarr.nix>

services.sonarr.settings

Attribute set of arbitrary config options. Please consult the documentation at the **wiki**.

WARNING: this configuration is stored in the world−readable Nix store! For secrets use **services.sonarr.environmentFiles**.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Example:

```
{
  update.mechanism = "internal";
  server = {
    urlbase = "localhost";
    port = 8989;
```

```
    bindaddress = "*";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/sonarr.nix>

services.sonarr.settings.log.analyticsEnabled
Send Anonymous Usage Data

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/sonarr.nix>

services.sonarr.settings.server.port
Port Number

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8989
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/sonarr.nix>

services.sonarr.settings.update.automatically
Automatically download and install updates.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/sonarr.nix>

services.sonarr.settings.update.mechanism
which update mechanism to use

Type: null or one of “external”, “builtIn”, “script”

Default:

```
"external"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/sonarr.nix>

services.sonarr.user
User account under which Sonarr runs.";

Note
If left as the default value this user will automatically be created on system activation, otherwise you are responsible for ensuring the user exists before the Sonarr service starts.

Type: string

Default:

```
"sonarr"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/sonarr.nix>

services.sonic−server.enable
Whether to enable Sonic Search Index.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/search/sonic−server.nix>

services.sonic−server.package
The sonic−server package to use.

Type: package

Default:

```
pkgs.sonic−server
```

Declared by:
<nixpkgs/nixos/modules/services/search/sonic−server.nix>

services.sonic−server.settings
Sonic Server configuration options.

Refer to **https://github.com/valeriansaliou/sonic/blob/master/CONFIGURATION.md** for a full list of available options.

Type: open submodule of (TOML value)

Default:

```
{
  store = {
    fst = {
      path = "/var/lib/sonic/fst";
    };
    kv = {
      path = "/var/lib/sonic/kv";
    };
  };
}
```

Example:

```
{
  channel = {
    inet = "[::1]:1491";
  };
  server = {
    log_level = "debug";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/search/sonic−server.nix>

services.spacecookie.enable
Whether to enable spacecookie.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/spacecookie.nix>

services.spacecookie.package
The spacecookie package to use.

Type: package

Default:

```
pkgs.spacecookie
```

Example:

```
haskellPackages.spacecookie
```

Declared by:
<nixpkgs/nixos/modules/services/networking/spacecookie.nix>

services.spacecookie.address
Address to listen on. Must be in the 'ListenStream=' syntax of **systemd.socket**(5).

Type: string

Default:

```
"[::]"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/spacecookie.nix>

services.spacecookie.openFirewall
Whether to open the necessary port in the firewall for spacecookie.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/spacecookie.nix>

services.spacecookie.port
Port the gopher service should be exposed on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
70
```

Declared by:
<nixpkgs/nixos/modules/services/networking/spacecookie.nix>

services.spacecookie.settings
Settings for spacecookie. The settings set here are directly translated to the spacecookie JSON config file. See **spacecookie.json(5)** for explanations of all options.

Type: open submodule of (JSON value)

Declared by:
<nixpkgs/nixos/modules/services/networking/spacecookie.nix>

services.spacecookie.settings.hostname
The hostname the service is reachable via. Clients will use this hostname for further requests after loading the initial gopher menu.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/spacecookie.nix>

services.spacecookie.settings.log.enable
Whether to enable logging for spacecookie.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/spacecookie.nix>

services.spacecookie.settings.log.hide−ips
If enabled, spacecookie will hide personal information of users like IP addresses from log output.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/spacecookie.nix>

services.spacecookie.settings.log.hide−time
If enabled, spacecookie will not print timestamps at the beginning of every log line.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/spacecookie.nix>

services.spacecookie.settings.log.level

Log level for the spacecookie service.

Type: one of “info”, “warn”, “error”

Default:

```
"info"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/spacecookie.nix>

services.spacecookie.settings.root

The directory spacecookie should serve via gopher. Files in there need to be world−readable since the spacecookie service file sets ‘DynamicUser=true’.

Type: absolute path

Default:

```
"/srv/gopher"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/spacecookie.nix>

services.spamassassin.enable

Whether to enable the SpamAssassin daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/mail/spamassassin.nix>

services.spamassassin.config

The SpamAssassin local.cf config

If you are using this configuration:

```
add_header all Status _YESNO_, score=_SCORE_ required=_REQD_ tests= \
_TESTS_ autolearn=_AUTOLEARN_ version=_VERSION_
```

Then you can Use this sieve filter:

```
require ["fileinto", "reject", "envelope"];
if header :contains "X−Spam−Flag" "YES" {
  fileinto "spam";
}
```

Or this procmail filter:

```
:0:
* ^X−Spam−Flag: YES
/var/vpopmail/domains/lastlog.de/js/.maildir/.spam/new
```

To filter your messages based on the additional mail headers added by spamassassin.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
    #rewrite_header Subject [***** SPAM _SCORE_ *****]
    required_score          5.0
    use_bayes               1
    bayes_auto_learn        1
    add_header all Status _YESNO_, score=_SCORE_ required=_REQD_ test \
  s=_TESTS_ autolearn=_AUTOLEARN_ version=_VERSION_
```

Declared by:

<nixpkgs/nixos/modules/services/mail/spamassassin.nix>

services.spamassassin.debug

Whether to run the SpamAssassin daemon in debug mode

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/mail/spamassassin.nix>

services.spamassassin.initPreConf

The SpamAssassin init.pre config.

Type: string or absolute path

Default:

```
    #
    # to update this list, run this command in the rules directory:
    # grep 'loadplugin.*Mail::SpamAssassin::Plugin::.*' -o -h * | s \
  ort | uniq
    #

    #loadplugin Mail::SpamAssassin::Plugin::AccessDB
    #loadplugin Mail::SpamAssassin::Plugin::AntiVirus
    loadplugin Mail::SpamAssassin::Plugin::AskDNS
    # loadplugin Mail::SpamAssassin::Plugin::ASN
    loadplugin Mail::SpamAssassin::Plugin::AutoLearnThreshold
    #loadplugin Mail::SpamAssassin::Plugin::AWL
    loadplugin Mail::SpamAssassin::Plugin::Bayes
    loadplugin Mail::SpamAssassin::Plugin::BodyEval
    loadplugin Mail::SpamAssassin::Plugin::Check
    #loadplugin Mail::SpamAssassin::Plugin::DCC
    loadplugin Mail::SpamAssassin::Plugin::DKIM
    loadplugin Mail::SpamAssassin::Plugin::DMARC
    loadplugin Mail::SpamAssassin::Plugin::DNSEval
    loadplugin Mail::SpamAssassin::Plugin::FreeMail
    loadplugin Mail::SpamAssassin::Plugin::HeaderEval
    loadplugin Mail::SpamAssassin::Plugin::HTMLEval
    loadplugin Mail::SpamAssassin::Plugin::HTTPSMismatch
    loadplugin Mail::SpamAssassin::Plugin::ImageInfo
    loadplugin Mail::SpamAssassin::Plugin::MIMEEval
    loadplugin Mail::SpamAssassin::Plugin::MIMEHeader
    # loadplugin Mail::SpamAssassin::Plugin::PDFInfo
    #loadplugin Mail::SpamAssassin::Plugin::PhishTag
    loadplugin Mail::SpamAssassin::Plugin::Pyzor
```

```
loadplugin Mail::SpamAssassin::Plugin::Razor2
# loadplugin Mail::SpamAssassin::Plugin::RelayCountry
loadplugin Mail::SpamAssassin::Plugin::RelayEval
loadplugin Mail::SpamAssassin::Plugin::ReplaceTags
# loadplugin Mail::SpamAssassin::Plugin::Rule2XSBody
# loadplugin Mail::SpamAssassin::Plugin::Shortcircuit
loadplugin Mail::SpamAssassin::Plugin::SpamCop
loadplugin Mail::SpamAssassin::Plugin::SPF
loadplugin Mail::SpamAssassin::Plugin::TextCat
# loadplugin Mail::SpamAssassin::Plugin::TxRep
loadplugin Mail::SpamAssassin::Plugin::URIDetail
loadplugin Mail::SpamAssassin::Plugin::URIDNSBL
loadplugin Mail::SpamAssassin::Plugin::URIEval
# loadplugin Mail::SpamAssassin::Plugin::URILocalBL
loadplugin Mail::SpamAssassin::Plugin::VBounce
loadplugin Mail::SpamAssassin::Plugin::WhiteListSubject
loadplugin Mail::SpamAssassin::Plugin::WLBLEval
```

Declared by:

<nixpkgs/nixos/modules/services/mail/spamassassin.nix>

services.spark.package

The spark package to use.

Type: package

Default:

```
pkgs.spark
```

Example:

```
spark.overrideAttrs (super: rec {
  pname = "spark";
  version = "2.4.4";
  src = pkgs.fetchzip {
    url    = "mirror://apache/spark/"${pname}-${version}/${pname} \
-${version}-bin-without-hadoop.tgz";
    sha256 = "1a9w5k0207fysgpxx6db3a00fs5hdc2ncx99x4ccy2s0v5ndc66g" \
;
  };
})
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/spark/default.nix>

services.spark.confDir

Spark configuration directory. Spark will use the configuration files (spark-defaults.conf, spark-env.sh, log4j.properties, etc) from this directory.

Type: absolute path

Default:

```
"${package}/conf"
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/spark/default.nix>

services.spark.logDir

Spark log directory.

Type: absolute path

Default:

```
"/var/log/spark"
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/spark/default.nix>

services.spark.master.enable

Whether to enable Spark master service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/spark/default.nix>

services.spark.master.bind

Address the spark master binds to.

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/spark/default.nix>

services.spark.master.extraEnvironment

Extra environment variables to pass to spark master. See spark−standalone documentation.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  SPARK_MASTER_OPTS = "-Dspark.deploy.defaultCores=5";
  SPARK_MASTER_WEBUI_PORT = 8181;
}
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/spark/default.nix>

services.spark.master.restartIfChanged

Automatically restart master service on config change. This can be set to false to defer restarts on clusters running critical applications. Please consider the security implications of inadvertently running an older version, and the possibility of unexpected behavior caused by inconsistent versions across a cluster when disabling this option.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/spark/default.nix>

services.spark.worker.enable
Whether to enable Spark worker service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/spark/default.nix>

services.spark.worker.extraEnvironment
Extra environment variables to pass to spark worker.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  SPARK_WORKER_CORES = 5;
  SPARK_WORKER_MEMORY = "2g";
}
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/spark/default.nix>

services.spark.worker.master
Address of the spark master.

Type: string

Default:

```
"127.0.0.1:7077"
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/spark/default.nix>

services.spark.worker.restartIfChanged
Automatically restart worker service on config change. This can be set to false to defer restarts on clusters running critical applications. Please consider the security implications of inadvertently running an older version, and the possibility of unexpected behavior caused by inconsistent versions across a cluster when disabling this option.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/spark/default.nix>

services.spark.worker.workDir
Spark worker work dir.

Type: absolute path

Default:

```
"/var/lib/spark"
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/spark/default.nix>

services.speechd.enable
Whether to enable speech−dispatcher speech synthesizer daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/accessibility/speechd.nix>

services.speechd.package
The speechd package to use.

Type: package

Default:

```
pkgs.speechd
```

Declared by:
<nixpkgs/nixos/modules/services/accessibility/speechd.nix>

services.speechd.clients
Client specific configuration.

Type: open submodule of attribute set of strings concatenated with “\n”

Default:

```
{ }
```

Example:

```
{
  emacs = ''
    BeginClient "emacs:*"
    # Example:
    #   DefaultPunctuationMode "some"
    EndClient
  '';
}
```

Declared by:
<nixpkgs/nixos/modules/services/accessibility/speechd.nix>

services.speechd.config

System wide configuration file for Speech Dispatcher. This will be used if no user configuration file is found.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Example:

```
AddModule "module_name" "module_binary" "module_config"
```

Declared by:

<nixpkgs/nixos/modules/services/accessibility/speechd.nix>

services.speechd.modules

Configuration files of output modules.

Type: open submodule of attribute set of strings concatenated with “\n”

Default:

```
{ }
```

Example:

```
{
  generic-epos = ''
    AddVoice        "cs"  "male1"   "kadlec"
    AddVoice        "sk"  "male1"   "bob"
  '';
}
```

Declared by:

<nixpkgs/nixos/modules/services/accessibility/speechd.nix>

services.speedify.enable

This option enables Speedify daemon. This sets **networking.firewall.checkReversePath** to “loose”, which might be undesirable for security.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/speedify.nix>

services.speedify.package

The speedify package to use.

Type: package

Default:

```
pkgs.speedify
```

Declared by:

<nixpkgs/nixos/modules/services/networking/speedify.nix>

services.speedtest−tracker.enable

Whether to enable Speedtest Tracker: A self−hosted internet performance tracking application.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/speedtest−tracker.nix>

services.speedtest−tracker.enableNginx

Whether to enable nginx or not. If enabled, an nginx virtual host will be created for access to Speedtest Tracker. If not enabled, then you may use '${config.services.speedtest−tracker.package}' as your document root in whichever webserver you wish to setup.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/speedtest−tracker.nix>

services.speedtest−tracker.package

The speedtest−tracker package to use.

Type: package

Default:

```
pkgs.speedtest−tracker
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/speedtest−tracker.nix>

services.speedtest−tracker.dataDir

The place where Speedtest Tracker stores its state.

Type: absolute path

Default:

```
"/var/lib/speedtest−tracker"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/speedtest−tracker.nix>

services.speedtest−tracker.group

Group under which Speedtest Tracker runs. It is best to set this to the group of whatever webserver is being used as the frontend.

Type: string

Default:

```
"If 'services.speedtest−tracker.enableNginx' is true then 'nginx'  \
else speedtest−tracker"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/speedtest−tracker.nix>

services.speedtest−tracker.poolConfig

Options for the Speedtest Tracker PHP pool. See the documentation on ‘php−fpm.conf’ for details on configuration directives.

Type: attribute set of (string or signed integer or boolean)

Default:

```
{
  "pm" = "dynamic";
  "pm.max_children" = 32;
  "pm.start_servers" = 2;
  "pm.min_spare_servers" = 2;
  "pm.max_spare_servers" = 4;
  "pm.max_requests" = 500;
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/speedtest−tracker.nix>

services.speedtest−tracker.settings

Options for Speedtest Tracker configuration. Refer to **https://github.com/alexjustesen/speedtest−tracker** for details on supported values. All ‘_FILE’ values are supported: append ‘_FILE’ to the setting name to provide a path to a file containing the secret value.

Type: open submodule of attribute set of (string or signed integer or boolean)

Default:

```
{ }
```

Example:

```
{
  APP_KEY_FILE = "/var/secrets/speedtest−tracker−app−key.txt";
  DB_CONNECTION = "mysql";
  DB_HOST = "db";
  DB_PORT = 3306;
  DB_DATABASE = "speedtest−tracker";
  DB_USERNAME = "speedtest−tracker";
  DB_PASSWORD_FILE = "/var/secrets/speedtest−tracker−mysql−passw \
ord.txt";
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/speedtest−tracker.nix>

services.speedtest−tracker.settings.APP_KEY_FILE

The path to your appkey. The file should contain a 32 character random app key. This may be set using ‘echo "base64:$(head −c 32 /dev/urandom | base64)" > /path/to/key−file’.

Type: absolute path

Declared by:

<nixpkgs/nixos/modules/services/web−apps/speedtest−tracker.nix>

services.speedtest−tracker.settings.APP_URL

The APP_URL used by Speedtest Tracker internally. Please make sure this URL matches the external URL of your installation. It is used to validate specific requests and to generate URLs in notifications.

Type: string

Default:

```
http(s):///''${config.services.speedtest-tracker.virtualHost}
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/speedtest-tracker.nix>

services.speedtest-tracker.settings.DB_CONNECTION
The type of database you wish to use. Can be one of “sqlite”, “mysql”, “mariadb” or “pgsql”.

Type: one of “sqlite”, “mysql”, “mariadb”, “pgsql”

Default:

```
"sqlite"
```

Example:

```
"pgsql"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/speedtest-tracker.nix>

services.speedtest-tracker.settings.DB_DATABASE
The name of the database, or path to the sqlite file.

Type: string

Default:

```
  "''${config.services.speedtest-tracker.dataDir}/storage/database \
/database.sqlite" if DB_CONNECTION is "sqlite", "speedtest-tracker \
" otherwise
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/speedtest-tracker.nix>

services.speedtest-tracker.settings.DB_HOST
The IP or hostname which hosts your database.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/speedtest-tracker.nix>

services.speedtest-tracker.settings.DB_PORT
The port your database is listening at. sqlite does not require this value to be filled.

Type: null or signed integer

Default:

```
  ‘null‘ if DB_CONNECTION is "sqlite", ‘3306‘ if "mysql" or "mariad \
b", ‘5432‘ if "pgsql"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/speedtest-tracker.nix>

services.speedtest-tracker.user
User account under which Speedtest Tracker runs.

Type: string

Default:

```
"speedtest-tracker"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/speedtest−tracker.nix>

services.speedtest−tracker.virtualHost
The hostname at which you wish Speedtest Tracker to be served. If you have enabled nginx using 'services.speedtest−tracker.enableNginx' then this will be used.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/speedtest−tracker.nix>

services.spice−autorandr.enable
Whether to enable spice−autorandr service that will automatically resize display to match SPICE client window size.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/spice−autorandr.nix>

services.spice−autorandr.package
The spice−autorandr package to use.

Type: package

Default:

```
pkgs.spice−autorandr
```

Declared by:
<nixpkgs/nixos/modules/services/misc/spice−autorandr.nix>

services.spice−vdagentd.enable
Whether to enable Spice guest vdagent daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/spice−vdagentd.nix>

services.spice−webdavd.enable
Whether to enable the spice guest webdav proxy daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/spice-webdavd.nix>

services.spice-webdavd.package
The phodav package to use.

Type: package

Default:

```
pkgs.phodav
```

Declared by:
<nixpkgs/nixos/modules/services/misc/spice-webdavd.nix>

services.spiped.enable
Enable the spiped service module.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/spiped.nix>

services.spiped.config
Configuration for a secure pipe daemon. The daemon can be started, stopped, or examined using ‘systemctl’, under the name ‘spiped@foo’.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  pipe1 =
    { keyfile = "/var/lib/spiped/pipe1.key";
      encrypt = true;
      source  = "localhost:6000";
      target  = "endpoint.example.com:7000";
    };
  pipe2 =
    { keyfile = "/var/lib/spiped/pipe2.key";
      decrypt = true;
      source  = "0.0.0.0:7000";
      target  = "localhost:3000";
    };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/spiped.nix>

services.spiped.config.<name>.decrypt

Take encrypted connections from the ‘source’ socket and send unencrypted connections to the ‘target’ socket.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/spiped.nix>

services.spiped.config.<name>.disableKeepalives

Disable transport layer keep−alives.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/spiped.nix>

services.spiped.config.<name>.disableReresolution

Disable target address re−resolution.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/spiped.nix>

services.spiped.config.<name>.encrypt

Take unencrypted connections from the ‘source’ socket and send encrypted connections to the ‘target’ socket.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/spiped.nix>

services.spiped.config.<name>.keyfile

Name of a file containing the spiped key. As the daemon runs as the ‘spiped’ user, the key file must be readable by that user. To securely manage the file within your configuration consider a tool such as agenix or sops−nix.

Type: absolute path

Declared by:

<nixpkgs/nixos/modules/services/networking/spiped.nix>

services.spiped.config.<name>.maxConns

Limit on the number of simultaneous connections allowed.

Type: signed integer

Default:

```
100
```

Declared by:
<nixpkgs/nixos/modules/services/networking/spiped.nix>

services.spiped.config.<name>.resolveRefresh
Resolution refresh time for the target socket, in seconds.

Type: signed integer

Default:

```
60
```

Declared by:
<nixpkgs/nixos/modules/services/networking/spiped.nix>

services.spiped.config.<name>.source
Address on which spiped should listen for incoming connections. Must be in one of the following formats: '/absolute/path/to/unix/socket', 'host.name:port', '[ip.v4.ad.dr]:port' or '[ipv6::addr]:port' − note that hostnames are resolved when spiped is launched and are not re−resolved later; thus if DNS entries change spiped will continue to connect to the expired address.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/spiped.nix>

services.spiped.config.<name>.target
Address to which spiped should connect.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/spiped.nix>

services.spiped.config.<name>.timeout
Timeout, in seconds, after which an attempt to connect to the target or a protocol handshake will be aborted (and the connection dropped) if not completed

Type: signed integer

Default:

```
5
```

Declared by:
<nixpkgs/nixos/modules/services/networking/spiped.nix>

services.spiped.config.<name>.waitForDNS
Wait for DNS. Normally when 'spiped' is launched it resolves addresses and binds to its source socket before the parent process returns; with this option it will daemonize first and retry failed DNS lookups until they succeed. This allows 'spiped' to launch even if DNS isn't set up yet, but at the expense of losing the guarantee that once 'spiped' has finished launching it will be ready to create pipes.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/spiped.nix>

services.spiped.config.<name>.weakHandshake

Use fast/weak handshaking: This reduces the CPU time spent in the initial connection setup, at the expense of losing perfect forward secrecy.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/spiped.nix>

services.spire.agent.enable

Whether to enable SPIRE agent.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/security/spire/agent.nix>

services.spire.agent.package

The spire package to use.

Type: package

Default:

```
pkgs.spire
```

Declared by:

<nixpkgs/nixos/modules/services/security/spire/agent.nix>

services.spire.agent.configFile

Path to the SPIRE agent configuration file. See **the documentation** for more information.

Type: absolute path

Default:

```
"Config file generated from services.spire.agent.settings"
```

Declared by:

<nixpkgs/nixos/modules/services/security/spire/agent.nix>

services.spire.agent.expandEnv

Expand environment $VARIABLES in the config file

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/security/spire/agent.nix>

services.spire.agent.settings

SPIRE Agent configuration file options. See **the documentation** for all available options.

Type: open submodule of (JSON value)

Declared by:

<nixpkgs/nixos/modules/services/security/spire/agent−tpm.nix>
<nixpkgs/nixos/modules/services/security/spire/agent.nix>

services.spire.agent.settings.agent.data_dir

A directory the agent can use for its runtime data

Type: string

Default:

```
"$STATE_DIRECTORY"
```

Declared by:

<nixpkgs/nixos/modules/services/security/spire/agent.nix>

services.spire.agent.settings.agent.join_token

An optional token which has been generated by the SPIRE server

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/spire/agent.nix>

services.spire.agent.settings.agent.join_token_file

Path to a file containing an optional join token which has been generated by the SPIRE server

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/spire/agent.nix>

services.spire.agent.settings.agent.server_address

DNS name or IP address of the SPIRE server

Type: string

Example:

```
"server.example.com"
```

Declared by:

<nixpkgs/nixos/modules/services/security/spire/agent.nix>

services.spire.agent.settings.agent.server_port

Port number of the SPIRE server

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8081
```

Declared by:
<nixpkgs/nixos/modules/services/security/spire/agent.nix>

services.spire.agent.settings.agent.socket_path
Location to bind the SPIRE Agent API socket (Unix only)

Type: absolute path

Default:

```
"/run/spire/agent/public/api.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/security/spire/agent.nix>

services.spire.agent.settings.agent.trust_domain
The trust domain that this agent belongs to (should be no more than 255 characters)

Type: string

Example:

```
"example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/security/spire/agent.nix>

services.spire.agent.settings.plugins
Built−in plugin types can be found at **the plugin types documentation**. See **plugin configuration** for options and how to configure external plugins.

Type: open submodule of (JSON value)

Example:

```
{
  KeyManager = {
    memory = {
      plugin_data = { };
    };
  };
  NodeAttestor = {
    join_token = {
      plugin_data = { };
    };
  };
  WorkloadAttestor = {
    systemd = {
      plugin_data = { };
    };
    unix = {
      plugin_data = { };
    };
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/security/spire/agent−tpm.nix>
<nixpkgs/nixos/modules/services/security/spire/agent.nix>

services.spire.agent.settings.plugins.NodeAttestor

Gathers information used to attest the agent's identity to the server. Generally paired with a server plugin of the same type.

Type: open submodule of (JSON value)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/security/spire/agent−tpm.nix>
<nixpkgs/nixos/modules/services/security/spire/agent.nix>

services.spire.agent.settings.plugins.NodeAttestor.join_token

The 'join_token' is responsible for attesting the agent's identity using a one−time−use pre−shared key.

Must be used in conjunction with the server−side 'join_token' plugin.

Type: null or (open submodule of (JSON value))

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/spire/agent.nix>

services.spire.agent.settings.plugins.NodeAttestor.join_token.plugin_data

As a special case for node attestors, the join token itself is configured by a CLI flag ('−joinToken') or by configuring 'join_token' in the agent's main config body.

Type: submodule

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/security/spire/agent.nix>

services.spire.agent.settings.plugins.NodeAttestor.tpm

TPM 2.0 node attestation plugin. When set, automatically enables security.tpm2 and grants the spire−agent user access to the TPM device.

Type: null or (open submodule of (JSON value))

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/spire/agent−tpm.nix>

services.spire.agent.settings.plugins.NodeAttestor.tpm.plugin_cmd

Path to the TPM attestor agent plugin binary.

Type: string

Default:

```
lib.getExe' pkgs.spire−tpm−plugin "tpm_attestor_agent"
```

Declared by:

<nixpkgs/nixos/modules/services/security/spire/agent−tpm.nix>

services.spire.server.enable

Whether to enable SPIRE Server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/security/spire/server.nix>

services.spire.server.package

The spire package to use.

Type: package

Default:

```
pkgs.spire
```

Declared by:

<nixpkgs/nixos/modules/services/security/spire/server.nix>

services.spire.server.configFile

Path to the SPIRE server configuration file. See **the documentation** for more information.

Type: absolute path

Default:

```
"Config file generated from services.spire.server.settings"
```

Declared by:

<nixpkgs/nixos/modules/services/security/spire/server.nix>

services.spire.server.expandEnv

Expand environment variables in services.spire.server.settings and services.spire.server.configFile

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/security/spire/server.nix>

services.spire.server.openFirewall

Whether to open firewall

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/security/spire/server.nix>

services.spire.server.settings

SPIRE Server configuration file options. See **the documentation** for all available options.

Type: open submodule of (JSON value)

Declared by:

<nixpkgs/nixos/modules/services/security/spire/server−tpm.nix>
<nixpkgs/nixos/modules/services/security/spire/server.nix>

services.spire.server.settings.plugins

Built−in plugin types can be found at **the plugin types documentation**. See **plugin configuration** for options and how to configure external plugins.

Type: open submodule of (JSON value)

Example:

```
{
  DataStore = {
    sql = {
      plugin_data = {
        connection_string = "$STATE_DIRECTORY/datastore.sqlite3";
        database_type = "sqlite3";
      };
    };
  };
  KeyManager = {
    memory = {
      plugin_data = { };
    };
  };
  NodeAttestor = {
    join_token = {
      plugin_data = { };
    };
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/security/spire/server−tpm.nix>
<nixpkgs/nixos/modules/services/security/spire/server.nix>

services.spire.server.settings.plugins.NodeAttestor

NodeAttestor plugins implement validation logic for nodes attempting to assert their identity. They are generally paired with an agent plugin of the same type. See **the documentation** for the list of built−in NodeAttestor plugins.

Type: open submodule of (JSON value)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/security/spire/server−tpm.nix>
<nixpkgs/nixos/modules/services/security/spire/server.nix>

services.spire.server.settings.plugins.NodeAttestor.join_token
Join token based node attestation.

Type: null or (open submodule of (JSON value))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/spire/server.nix>

services.spire.server.settings.plugins.NodeAttestor.join_token.plugin_data
Plugin data for the join_token NodeAttestor.

Type: JSON value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/security/spire/server.nix>

services.spire.server.settings.plugins.NodeAttestor.tpm
TPM 2.0 node attestation plugin from **spire-tpm-plugin**.

Type: null or (open submodule of (JSON value))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/spire/server-tpm.nix>

services.spire.server.settings.plugins.NodeAttestor.tpm.plugin_cmd
Path to the TPM attestor server plugin binary.

Type: string

Default:

```
lib.getExe' pkgs.spire-tpm-plugin "tpm_attestor_server"
```

Declared by:
<nixpkgs/nixos/modules/services/security/spire/server-tpm.nix>

services.spire.server.settings.plugins.NodeAttestor.tpm.plugin_data
Plugin data for the TPM NodeAttestor. Either 'ca_path', 'hash_path', or both must be configured.

Type: open submodule of (JSON value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/security/spire/server-tpm.nix>

services.spire.server.settings.plugins.NodeAttestor.tpm.plugin_data.ca_path
The path to the CA directory. Contains the manufacturer CA cert that signed the TPM's EK certificate in PEM or DER format.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/spire/server−tpm.nix>

services.spire.server.settings.plugins.NodeAttestor.tpm.plugin_data.hash_path
The path to the Hash directory. Contains empty files named after the EK public key hash.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/spire/server−tpm.nix>

services.spire.server.settings.server.bind_address
The address on which the SPIRE server is listening

Type: string

Default:

```
"[::]"
```

Declared by:
<nixpkgs/nixos/modules/services/security/spire/server.nix>

services.spire.server.settings.server.bind_port
The port on which the SPIRE server is listening

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8081
```

Declared by:
<nixpkgs/nixos/modules/services/security/spire/server.nix>

services.spire.server.settings.server.data_dir
The directory where SPIRE server stores its data

Type: string

Default:

```
"$STATE_DIRECTORY"
```

Declared by:
<nixpkgs/nixos/modules/services/security/spire/server.nix>

services.spire.server.settings.server.socket_path
Path to bind the SPIRE Server API Socket to

Type: string

Default:

```
"/run/spire/server/private/api.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/security/spire/server.nix>

services.spire.server.settings.server.trust_domain
The trust domain that this server belongs to

Type: string

Example:

```
"example.com"
```

Declared by:

<nixpkgs/nixos/modules/services/security/spire/server.nix>

services.spoolman.enable

Whether to enable Spoolman, a filament spool inventory management system…

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/spoolman.nix>

services.spoolman.environment

Environment variables to be passed to the spoolman service. Refer to https://github.com/Donkie/Spoolman/blob/master/.env.example for details on supported variables.

Type: attribute set

Default:

```
{ }
```

Example:

```
{
  SPOOLMAN_AUTOMATIC_BACKUP = "TRUE";
  SPOOLMAN_BASE_PATH = "/spoolman";
  SPOOLMAN_CORS_ORIGIN = "source1.domain.com:p1, source2.domain.com \
:p2";
  SPOOLMAN_DB_TYPE = "sqlite";
  SPOOLMAN_LOGGING_LEVEL = "DEBUG";
  SPOOLMAN_METRICS_ENABLED = "TRUE";
}
```

Declared by:

<nixpkgs/nixos/modules/services/misc/spoolman.nix>

services.spoolman.listen

The IP address to bind the spoolman server to.

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/spoolman.nix>

services.spoolman.openFirewall

Open the appropriate ports in the firewall for spoolman.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/spoolman.nix>

services.spoolman.port

TCP port where spoolman web−gui listens.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
7912
```

Declared by:

<nixpkgs/nixos/modules/services/misc/spoolman.nix>

services.spotifyd.enable

Whether to enable spotifyd, a Spotify playing daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/audio/spotifyd.nix>

services.spotifyd.package

The spotifyd package to use.

Type: package

Default:

```
pkgs.spotifyd
```

Declared by:

<nixpkgs/nixos/modules/services/audio/spotifyd.nix>

services.spotifyd.config

(Deprecated) Configuration for Spotifyd. For syntax and directives, see **https://docs.spotifyd.rs/configuration/index.html#config−file**.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/audio/spotifyd.nix>

services.spotifyd.settings

Configuration for Spotifyd. For syntax and directives, see **https://docs.spotifyd.rs/configuration/index.html#config−file**.

Type: TOML value

Default:

```
{ }
```

Example:

```
{
  global = {
    bitrate = 320;
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/audio/spotifyd.nix>

services.squeezelite.enable

Whether to enable Squeezelite, a software Squeezebox emulator.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/audio/squeezelite.nix>

services.squeezelite.package

The squeezelite package to use.

Type: package

Default:

```
if config.services.squeezelite.pulseaudio.enable then pkgs.squeezel \
ite−pulse else pkgs.squeezelite
```

Declared by:

<nixpkgs/nixos/modules/services/audio/squeezelite.nix>

services.squeezelite.extraArgs

Additional command line arguments to pass to Squeezelite.

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/audio/squeezelite.nix>

services.squeezelite.mutableName
store name in file, controllable by server

Type: boolean

Default:

```
config.services.squeezelite.name == null
```

Declared by:
<nixpkgs/nixos/modules/services/audio/squeezelite.nix>

services.squeezelite.name
name to report to server

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/audio/squeezelite.nix>

services.squeezelite.pulseaudio.enable
Whether to enable pulseaudio support.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/audio/squeezelite.nix>

services.squeezelite.pulseaudio.group
group for accessing to pulseaudio socket

Type: string

Default:

```
if config.services.pulseaudio.systemWide then "pulse-access" else  \
"pipewire"
```

Declared by:
<nixpkgs/nixos/modules/services/audio/squeezelite.nix>

services.squid.enable
Whether to run squid web proxy.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/squid.nix>

services.squid.package
The squid package to use.

Type: package

Default:

```
pkgs.squid
```

Declared by:
<nixpkgs/nixos/modules/services/networking/squid.nix>

services.squid.configText
Verbatim contents of squid.conf. If null (default), use the autogenerated file from NixOS instead.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/squid.nix>

services.squid.extraConfig
Squid configuration. Contents will be added verbatim to the configuration file.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/squid.nix>

services.squid.proxyAddress
IP address on which squid will listen.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/squid.nix>

services.squid.proxyPort
TCP port on which squid will listen.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3128
```

Declared by:
<nixpkgs/nixos/modules/services/networking/squid.nix>

services.squid.validateConfig
Validate config syntax.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/squid.nix>

services.ssh−agent−switcher.enable
Whether to enable ssh−agent−switcher, a daemon that proxies SSH agent connections to forwarded agents. This allows tmux/screen sessions to access SSH agents across reconnections.

This is a per−user service that automatically starts when you log in via SSH and sets SSH_AUTH_SOCK to point to a stable socket location.

Note: This only activates for SSH sessions, not graphical or console logins.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/ssh−agent−switcher.nix>

services.ssh−agent−switcher.package
The ssh−agent−switcher package to use.

Type: package

Default:

```
pkgs.ssh−agent−switcher
```

Declared by:
<nixpkgs/nixos/modules/services/security/ssh−agent−switcher.nix>

services.sshd.enable
Alias of **services.openssh.enable**.

Type: boolean

Declared by:
<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

services.sshguard.enable
Whether to enable the sshguard service.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/sshguard.nix>

services.sshguard.attack_threshold
Block attackers when their cumulative attack score exceeds threshold. Most attacks have a score of 10.

Type: signed integer

Default:

```
30
```

Declared by:
<nixpkgs/nixos/modules/services/security/sshguard.nix>

services.sshguard.blacklist_file
Blacklist an attacker when its score exceeds threshold. Blacklisted addresses are loaded from and added to blacklist−file.

Type: absolute path

Default:

```
"/var/lib/sshguard/blacklist.db"
```

Declared by:
<nixpkgs/nixos/modules/services/security/sshguard.nix>

services.sshguard.blacklist_threshold
Blacklist an attacker when its score exceeds threshold. Blacklisted addresses are loaded from and added to blacklist−file.

Type: null or signed integer

Default:

```
null
```

Example:

```
120
```

Declared by:
<nixpkgs/nixos/modules/services/security/sshguard.nix>

services.sshguard.blocktime
Block attackers for initially blocktime seconds after exceeding threshold. Subsequent blocks increase by a factor of 1.5.

sshguard unblocks attacks at random intervals, so actual block times will be longer.

Type: signed integer

Default:

```
120
```

Declared by:
<nixpkgs/nixos/modules/services/security/sshguard.nix>

services.sshguard.detection_time
Remember potential attackers for up to detection_time seconds before resetting their score.

Type: signed integer

Default:

```
1800
```

Declared by:
<nixpkgs/nixos/modules/services/security/sshguard.nix>

services.sshguard.services
Systemd services sshguard should receive logs of.

Type: list of string

Default:

```
[
  "sshd"
```

```
]
```

Example:

```
[
  "sshd"
  "exim"
]
```

Declared by:
<nixpkgs/nixos/modules/services/security/sshguard.nix>

services.sshguard.whitelist
Whitelist a list of addresses, hostnames, or address blocks.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "198.51.100.56"
  "198.51.100.2"
]
```

Declared by:
<nixpkgs/nixos/modules/services/security/sshguard.nix>

services.sshwifty.enable
Whether to enable Sshwifty.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sshwifty.nix>

services.sshwifty.package
The sshwifty package to use.

Type: package

Default:

```
pkgs.sshwifty
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sshwifty.nix>

services.sshwifty.settings
Configuration for Sshwifty. See **the Sshwifty documentation** for possible options.

Type: JSON value

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sshwifty.nix>

services.sshwifty.sharedKeyFile
Path to a file containing the shared key.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sshwifty.nix>

services.sshwifty.socks5PasswordFile
Path to a file containing the SOCKS5 password.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/sshwifty.nix>

services.sslh.enable
Whether to enable sslh, protocol demultiplexer.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sslh.nix>

services.sslh.listenAddresses
Listening addresses or hostnames.

Type: (list of string) or string convertible to it

Default:

```
[
  "0.0.0.0"
  "[::]"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sslh.nix>

services.sslh.method
The method to use for handling connections:

- ‘fork’ forks a new process for each incoming connection. It is well−tested and very reliable, but incurs the overhead of many processes.
- ‘select’ uses only one thread, which monitors all connections at once. It has lower overhead per connection, but if it stops, you’ll lose all connections.
- ‘ev’ is implemented using libev, it’s similar to ‘select’ but scales better to a large number of connections.

Type: one of “fork”, “select”, “ev”

Default:

```
"fork"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sslh.nix>

services.sslh.port
Listening port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
443
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sslh.nix>

services.sslh.settings
sslh configuration. See **sslh**(8) for available settings.

Type: open submodule of attribute set of (libconfig value)

Declared by:
<nixpkgs/nixos/modules/services/networking/sslh.nix>

services.sslh.settings.numeric
Whether to disable reverse DNS lookups, thus keeping IP address literals in the log.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sslh.nix>

services.sslh.settings.protocols
List of protocols sslh will probe for and redirect. Each protocol entry consists of:

- ‘name’: name of the probe.
- ‘service’: libwrap service name (see **hosts_access**(5)),
- ‘host’, ‘port’: where to connect when this probe succeeds,
- ‘log_level’: to log incoming connections,
- ‘transparent’: proxy this protocol transparently,
- etc.

See the documentation for all options, including probe−specific ones.

Type: list of attribute set of (libconfig value)

Default:

```
[
  {
    host = "localhost";
    name = "ssh";
    port = "22";
    service = "ssh";
  }
```

```
    {
      host = "localhost";
      name = "openvpn";
      port = "1194";
    }
    {
      host = "localhost";
      name = "xmpp";
      port = "5222";
    }
    {
      host = "localhost";
      name = "http";
      port = "80";
    }
    {
      host = "localhost";
      name = "tls";
      port = "443";
    }
    {
      host = "localhost";
      name = "anyprot";
      port = "443";
    }
  ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sslh.nix>

services.sslh.settings.timeout
Timeout in seconds.

Type: unsigned integer, meaning >=0

Default:

```
2
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sslh.nix>

services.sslh.settings.transparent
Whether the services behind sslh (Apache, sshd and so on) will see the external IP and ports as if the external world connected directly to them.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sslh.nix>

services.sslh.settings.verbose−connections

Where to log connections information. Possible values are:

0. don’t log anything
1. write log to stdout
2. write log to syslog
3. write log to both stdout and syslog
4. write to a log file (**sslh.settings.logfile**)

Type: integer between 0 and 4 (both inclusive)

Default:

Declared by:
<nixpkgs/nixos/modules/services/networking/sslh.nix>

services.sslmate−agent.enable

Whether to enable sslmate−agent, a daemon for managing SSL/TLS certificates on a server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/sslmate−agent.nix>

services.sssd.enable

Whether to enable the System Security Services Daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/sssd.nix>

services.sssd.config

Contents of *sssd.conf*.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
[sssd]
services = nss, pam
domains = shadowutils

[nss]

[pam]
```

```
[domain/shadowutils]
id_provider = proxy
proxy_lib_name = files
auth_provider = proxy
proxy_pam_target = sssd-shadowutils
proxy_fast_alias = True
```

Declared by:
<nixpkgs/nixos/modules/services/misc/sssd.nix>

services.sssd.environmentFile
Environment file as defined in **systemd.exec**(5).

Secrets may be passed to the service without adding them to the world-readable Nix store, by specifying placeholder variables as the option value in Nix and setting these variables accordingly in the environment file.

```
# snippet of sssd-related config
[domain/LDAP]
ldap_default_authtok = $SSSD_LDAP_DEFAULT_AUTHTOK

# contents of the environment file
SSSD_LDAP_DEFAULT_AUTHTOK=verysecretpassword
```

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/sssd.nix>

services.sssd.kcm
Whether to use SSS as a Kerberos Cache Manager (KCM). Kerberos will be configured to cache credentials in SSS.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/sssd.nix>

services.sssd.settings
Contents of *sssd.conf*.

Type: attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Example:

```
{
  "domain/shadowutils" = {
    auth_provider = "proxy";
    id_provider = "proxy";
    proxy_fast_alias = true;
    proxy_lib_name = "files";
    proxy_pam_target = "sssd-shadowutils";
  };
```

```
  nss = { };
  pam = { };
  sssd = {
    domains = "shadowutils";
    services = "nss, pam";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/sssd.nix>

services.sssd.sshAuthorizedKeysIntegration
Whether to make sshd look up authorized keys from SSS. For this to work, the ‘ssh’ SSS service must be enabled in the sssd configuration.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/sssd.nix>

services.sssd.subIDsIntegration
Whether to use SSS as a source for subuid and subgid.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/sssd.nix>

services.stalwart.enable
Whether to enable the all−in−one collaboration and mail server, Stalwart.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/stalwart.nix>

services.stalwart.package
The stalwart package to use.

Type: package

Default:

```
pkgs.stalwart
```

Declared by:
<nixpkgs/nixos/modules/services/mail/stalwart.nix>

services.stalwart.credentials

Credentials envs used to configure Stalwart secrets. These secrets can be accessed in configuration values with the macros such as '%{file:/run/credentials/stalwart.service/VAR_NAME}%'.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user_admin_password = "/run/keys/stalwart_admin_password";
}
```

Declared by:

<nixpkgs/nixos/modules/services/mail/stalwart.nix>

services.stalwart.dataDir

Data directory for stalwart

Type: absolute path

Default:

```
/var/lib/${if lib.versionOlder config.services.stalwart.stateVersio \
n "26.05" then "stalwart-mail" else "stalwart"}
```

Declared by:

<nixpkgs/nixos/modules/services/mail/stalwart.nix>

services.stalwart.group

Group ownership of service

Type: string

Default:

```
if lib.versionOlder config.services.stalwart.stateVersion "26.05" t \
hen "stalwart-mail" else "stalwart"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/stalwart.nix>

services.stalwart.openFirewall

Whether to open TCP firewall ports, which are specified in **services.stalwart.settings.server.listener** on all interfaces.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/mail/stalwart.nix>

services.stalwart.settings

Configuration options for the Stalwart server. See **https://stalw.art/docs/category/configuration** for available options.

By default, the module is configured to store everything locally.

Type: TOML value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/mail/stalwart.nix>

services.stalwart.stateVersion
The version of this module (=version of NixOS) when this module was first enabled on this particular machine, used to maintain compatibility with application data created on older versions of this module.

See **system.stateVersion** for details on the NixOS−global equivalent to this option.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/mail/stalwart.nix>

services.stalwart.user
User ownership of service

Type: string

Default:

```
if lib.versionOlder config.services.stalwart.stateVersion "26.05" t \
hen "stalwart−mail" else "stalwart"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/stalwart.nix>

services.stargazer.enable
Whether to enable Stargazer Gemini server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/stargazer.nix>

services.stargazer.allowCgiUser
When enabled, the stargazer process will be given ‘CAP_SETGID’ and ‘CAP_SETUID’ so that it can run cgi processes as a different user. This is required if the ‘cgi−user’ option is used for a route. Note that these capabilities could allow privilege escalation so be careful. For that reason, this is disabled by default.

You will need to create the user mentioned ‘cgi−user’ if it does not already exist.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/stargazer.nix>

services.stargazer.certLifetime
How long certs generated by Stargazer should live for. Certs live forever by default.

Type: string

Default:

```
""
```

Example:

```
"1y"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/stargazer.nix>

services.stargazer.certOrg
The name of the organization responsible for the X.509 certificate's /O name.

Type: string

Default:

```
"stargazer"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/stargazer.nix>

services.stargazer.connectionLogging
Whether or not to log connections to stdout.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/stargazer.nix>

services.stargazer.debugMode
Run Stargazer in debug mode.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/stargazer.nix>

services.stargazer.genCerts
Set to false to disable automatic certificate generation. Use if you want to provide your own certs.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/stargazer.nix>

services.stargazer.group
Group account under which stargazer runs.

Type: string

Default:

```
"stargazer"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/stargazer.nix>

services.stargazer.ipLog

Log client IP addresses in the connection log.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/stargazer.nix>

services.stargazer.ipLogPartial

Log partial client IP addresses in the connection log.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/stargazer.nix>

services.stargazer.listen

Address and port to listen on.

Type: list of string

Default:

```
[ "0.0.0.0" ] ++ lib.optional config.networking.enableIPv6 "[::0]"
```

Example:

```
[ "10.0.0.12" "[2002:a00:1::]" ]
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/stargazer.nix>

services.stargazer.regenCerts

Set to false to turn off automatic regeneration of expired certificates. Use if you want to provide your own certs.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/stargazer.nix>

services.stargazer.requestTimeout

Number of seconds to wait for the client to send a complete request. Set to 0 to disable.

Type: unsigned integer, meaning >=0

Default:

```
5
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/stargazer.nix>

services.stargazer.responseTimeout

Number of seconds to wait for the client to send a complete request and for stargazer to finish sending the response. Set to 0 to disable.

Type: unsigned integer, meaning >=0

Default:

Declared by:

<nixpkgs/nixos/modules/services/web−servers/stargazer.nix>

services.stargazer.routes

Routes that Stargazer should server.

Expressed as a list of attribute sets. Each set must have a key ‘route’ that becomes the section name for that route in the stargazer ini cofig. The remaining keys and values become the parameters for that route.

Refer to upstream docs for other params

Type: list of (open submodule of attribute set of (INI atom (null, bool, int, float or string)))

Default:

```
[ ]
```

Example:

```
[
  {
    route = "example.com";
    root = "/srv/gemini/example.com"
  }
  {
    route = "example.com:/man";
    root = "/cgi−bin";
    cgi = true;
  }
  {
    route = "other.org~(.*)";
    redirect = "gemini://example.com";
    rewrite = "\1";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/stargazer.nix>

services.stargazer.routes.*.route

Route section name

Type: string

Declared by:

<nixpkgs/nixos/modules/services/web−servers/stargazer.nix>

services.stargazer.store

Path to the certificate store on disk. This should be a persistent directory writable by Stargazer.

Type: absolute path

Default:

```
"/var/lib/gemini/certs"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/stargazer.nix>

services.stargazer.user
User account under which stargazer runs.

Type: string

Default:

```
"stargazer"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/stargazer.nix>

services.stash.enable
Whether to enable stash.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.package
The stash package to use.

Type: package

Default:

```
pkgs.stash
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.dataDir
The directory where Stash stores its files.

Type: absolute path

Default:

```
"/var/lib/stash"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.group
Group under which Stash runs.

Type: string

Default:

```
"stash"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.jwtSecretKeyFile

Path to file containing a secret used to sign JWT tokens.

Type: absolute path

Declared by:

<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.mutablePlugins

Whether to enable Whether plugins/themes can be installed, updated, uninstalled manually…

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.mutableScrapers

Whether to enable Whether scrapers can be installed, updated, uninstalled manually…

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.mutableSettings

Whether the Stash config.yml is writeable by Stash.

If ‘false’, Any config changes done from within Stash UI will be temporary and reset to those defined in **services.stash.settings** upon ‘Stash.service’ restart. If ‘true’, the **services.stash.settings** will only be used to initialize the Stash configuration if it does not exist, and are subsequently ignored.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.openFirewall

Open ports in the firewall for the Stash web interface.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.passwordFile
Path to file containing password for login.

Warning
This option takes precedence over **services.stash.settings.password** ::

Type: null or absolute path

Default:

```
null
```

Example:

```
"/path/to/password/file"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.plugins
The plugins Stash should be started with.

Type: list of package

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.scrapers
The scrapers Stash should be started with.

Type: list of package

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.sessionStoreKeyFile
Path to file containing a secret for session store.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.settings
Stash configuration

Type: open submodule of (YAML 1.1 value)

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.settings.blobs_path
Path to blobs

Type: absolute path

Default:

```
"/var/lib/stash/blobs"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.settings.blobs_storage
Where to store blobs

Type: one of “FILESYSTEM”, “DATABASE”

Default:

```
"FILESYSTEM"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.settings.cache
Path to cache

Type: absolute path

Default:

```
"/var/lib/stash/cache"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.settings.calculate_md5
Whether to calculate MD5 checksums for scene video files

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.settings.create_image_clip_from_videos
Create Image Clips from Video extensions when Videos are disabled in Library

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.settings.dangerous_allow_public_without_auth
Learn more at **https://docs.stashapp.cc/networking/authentication−required−when−accessing−stash−from−the−internet/**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.settings.database
Path to the SQLite database

Type: absolute path

Default:

```
"/var/lib/stash/go.sqlite"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.settings.gallery_cover_regex
Regex used to identify images as gallery covers

Type: string

Default:

```
"(poster|cover|folder|board)\\.[^.]+$"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.settings.generated
Path to generated files

Type: absolute path

Default:

```
"/var/lib/stash/generated"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.settings.host
The ip address that Stash should bind to.

Type: string

Default:

```
"localhost"
```

Example:

```
"::1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.settings.no_proxy
A list of domains for which the proxy must not be used

Type: string

Default:

```
"localhost,127.0.0.1,192.168.0.0/16,10.0.0.0/8,172.16.0.0/12"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.settings.nobrowser
If we should not auto−open a browser window on startup

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.settings.notifications_enabled
If we should send notifications to the desktop

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.settings.parallel_tasks
Number of parallel tasks to start during scan/generate

Type: signed integer

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.settings.plugins_path
Path to scrapers

Type: absolute path

Default:

```
"/var/lib/stash/plugins"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.settings.port
The port that Stash should listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9999
```

Example:

```
1234
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.settings.preview_audio
Include audio stream in previews

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.settings.preview_exclude_end
Duration of start of video to exclude when generating previews

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.settings.preview_exclude_start
Duration of end of video to exclude when generating previews

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.settings.preview_segment_duration
Preview segment duration, in seconds

Type: floating point number

Default:

```
0.75
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.settings.preview_segments
Number of segments in a preview file

Type: signed integer

Default:

```
12
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.settings.scrapers_path
Path to scrapers

Type: absolute path

Default:

```
"/var/lib/stash/scrapers"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.settings.security_tripwire_accessed_from_public_internet

Learn more at **https://docs.stashapp.cc/networking/authentication-required-when-accessing-stash-from-the-internet/**

Type: null or string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/stash.nix>

services.stash.settings.sequential_scanning

Modifies behaviour of the scanning functionality to generate support files (previews/sprites/phash) at the same time as fingerprinting/screenshotting

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/stash.nix>

services.stash.settings.show_one_time_moved_notification

Whether a small notification to inform the user that Stash will no longer show a terminal window, and instead will be available in the tray

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/stash.nix>

services.stash.settings.sound_on_preview

Enable sound on mouseover previews

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/stash.nix>

services.stash.settings.stash

Add directories containing your adult videos and images. Stash will use these directories to find videos and/or images during scanning.

Type: list of (submodule)

Example:

```
{
  stash = [
    {
      Path = "/media/drive/videos";
      ExcludeImage = true;
    }
  ];
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.settings.stash.*.excludeimage
Whether to exclude image files from being scanned into Stash

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.settings.stash.*.excludevideo
Whether to exclude video files from being scanned into Stash

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.settings.stash.*.path
location of your media files

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.settings.stash_boxes
Stash−box facilitates automated tagging of scenes and performers based on fingerprints and filenames

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
{
  stash_boxes = [
    {
      name = "StashDB";
      endpoint = "https://stashdb.org/graphql";
      apikey = "aaaaaaaaaaaa.bbbbbbbbbbbbbbbbbbbbbbb.ccccccccccccc \
c";
    }
  ];
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.settings.stash_boxes.*.apikey
Stash Box API key

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.settings.stash_boxes.*.endpoint
URL to the Stash Box graphql api

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.settings.stash_boxes.*.name
The name of the Stash Box

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.settings.theme_color
Sets the ‘theme−color’ property in the UI

Type: string

Default:

```
"#202b33"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.settings.ui.frontPageContent
Search filters to display on the front page.

Type: (list of (attribute set)) or function that evaluates to a(n) list of (attribute set)

Default:

```
<function>
```

Example:

```
presets: [
  # To get the savedFilterId, you can query ‘{ findSavedFilters(mod \
e: <FilterMode>) { id name } }‘ on localhost:9999/graphql
  {
    __typename = "SavedFilter";
    savedFilterId = 1;
  }
  # basic custom filter
  {
    __typename = "CustomFilter";
    title = "Random Scenes";
    mode = "SCENES";
    sortBy = "random";
    direction = "DESC";
  }
  presets.recentlyAddedImages
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.settings.video_file_naming_algorithm
Hash algorithm to use for generated file naming

Type: one of “OSHASH”, “MD5”

Default:

```
"OSHASH"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.settings.write_image_thumbnails
Write image thumbnails to disk when generating on the fly

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.user
User under which Stash runs.

Type: string

Default:

```
"stash"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.stash.username
Username for login.

Warning
This option takes precedence over **services.stash.settings.username** ::

Type: null or non−empty string

Default:

```
null
```

Example:

```
"admin"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stash.nix>

services.static−web−server.enable
Whether to enable Static Web Server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/static−web−server.nix>

services.static−web−server.configuration
Configuration for Static Web Server. See **https://static−web−server.net/configuration/config−file/**. NOTE: Don't set "host", "port", or "root" here. They will be ignored. Use the top−level "listen" and "root" options instead.

Type: TOML value

Default:

```
{ }
```

Example:

```
{
  general = {
    directory-listing = true;
    log-level = "error";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/static−web−server.nix>

services.static−web−server.listen
The **systemd.socket**(5) "ListenStream" used in static−web−server.socket. This is equivalent to SWS's "host" and "port" options. See here for specific syntax: **https://www.freedesktop.org/software/systemd/man/systemd.socket.html#ListenStream=**

Type: string

Default:

```
"[::]:8787"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/static−web−server.nix>

services.static−web−server.root
The location of files for SWS to serve. Equivalent to SWS's "root" config value. NOTE: This folder must exist before starting SWS.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/web−servers/static−web−server.nix>

services.step−ca.enable
Whether to enable the smallstep certificate authority server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/step−ca.nix>

services.step−ca.package

The step−ca package to use.

Type: package

Default:

```
pkgs.step-ca
```

Declared by:

<nixpkgs/nixos/modules/services/security/step−ca.nix>

services.step−ca.address

The address (without port) the certificate authority should listen at. This combined with **services.step−ca.port** overrides **services.step−ca.settings.address**.

Type: string

Example:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/security/step−ca.nix>

services.step−ca.intermediatePasswordFile

Path to the file containing the password for the intermediate certificate private key.

Warning
Make sure to use a quoted absolute path instead of a path literal to prevent it from being copied to the globally readable Nix store.

Type: null or absolute path not in the Nix store

Default:

```
null
```

Example:

```
"/run/keys/smallstep-password"
```

Declared by:

<nixpkgs/nixos/modules/services/security/step−ca.nix>

services.step−ca.openFirewall

Whether to enable opening the certificate authority server port.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/security/step−ca.nix>

services.step−ca.port

The port the certificate authority should listen on. This combined with **services.step−ca.address** overrides **services.step−ca.settings.address**.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Example:

```
8443
```

Declared by:
<nixpkgs/nixos/modules/services/security/step−ca.nix>

services.step−ca.settings
Settings that go into *ca.json*. See **the step−ca manual** for more information. The easiest way to configure this module would be to run 'step ca init' to generate *ca.json* and then import it using 'builtins.fromJSON'. **This article** may also be useful if you want to customize certain aspects of certificate generation for your CA. You need to change the database storage path to */var/lib/step−ca/db*.

Warning
The **services.step−ca.settings.address** option will be ignored and overwritten by **services.step−ca.address** and **services.step−ca.port**.

Type: attribute set of anything

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/security/step−ca.nix>

services.stirling−pdf.enable
Whether to enable the stirling−pdf service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stirling−pdf.nix>

services.stirling−pdf.package
The stirling−pdf package to use.

Type: package

Default:

```
pkgs.stirling−pdf
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stirling−pdf.nix>

services.stirling−pdf.environment
Environment variables for the stirling−pdf app. See **https://github.com/Stirling−Tools/Stirling−PDF#customisation** for available options.

Type: attribute set of (string or signed integer or boolean)

Default:

```
{ }
```

Example:

```
{
  INSTALL_BOOK_AND_ADVANCED_HTML_OPS = true;
  SERVER_PORT = 8080;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stirling−pdf.nix>

services.stirling−pdf.environmentFiles
Files containing additional environment variables to pass to Stirling PDF. Secrets should be added in environmentFiles instead of environment.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/stirling−pdf.nix>

services.stratis.enable
Whether to enable Stratis Storage − Easy to use local storage management for Linux.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/tasks/stratis.nix>

services.strfry.enable
Whether to enable strfry.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strfry.nix>

services.strfry.package
The strfry package to use.

Type: package

Default:

```
pkgs.strfry
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strfry.nix>

services.strfry.settings
Configuration options to set for the Strfry service. See **https://github.com/hoytech/strfry** for documentation.

Type: JSON value

Default:

```
{
  db = "/var/lib/strfry";
```

```
dbParams = {
  mapsize = 10995116277760;
  maxreaders = 256;
  noReadAhead = false;
};
events = {
  ephemeralEventsLifetimeSeconds = 300;
  maxEventSize = 65536;
  maxNumTags = 2000;
  maxTagValSize = 1024;
  rejectEphemeralEventsOlderThanSeconds = 60;
  rejectEventsNewerThanSeconds = 900;
  rejectEventsOlderThanSeconds = 94608000;
};
relay = {
  autoPingSeconds = 55;
  bind = "127.0.0.1";
  compression = {
    enabled = true;
    slidingWindow = true;
  };
  enableTcpKeepalive = false;
  info = {
    contact = "";
    description = "This is a strfry instance.";
    icon = "";
    name = "strfry default";
    nips = "";
    pubkey = "";
  };
  logging = {
    dbScanPerf = false;
    dumpInAll = false;
    dumpInEvents = false;
    dumpInReqs = false;
    invalidEvents = true;
  };
  maxFilterLimit = 500;
  maxReqFilterSize = 200;
  maxSubsPerConnection = 20;
  maxWebsocketPayloadSize = 131072;
  negentropy = {
    enabled = true;
    maxSyncEvents = 1000000;
  };
  nofiles = 1000000;
  numThreads = {
    ingester = 3;
    negentropy = 2;
    reqMonitor = 3;
    reqWorker = 3;
  };
  port = 7777;
```

```
        queryTimesliceBudgetMicroseconds = 10000;
        realIpHeader = "";
        writePolicy = {
          plugin = "";
        };
      };
    }
```

Example:

```
dbParams = {
  maxreaders = 256;
  mapsize = 10995116277760;
  noReadAhead = false;
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strfry.nix>

services.strichliste.enable
Whether to enable strichliste, a web based tally sheet…

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.packages.backend
The strichliste package to use.

Type: package

Default:

```
pkgs.strichliste
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.packages.frontend
The strichliste−frontend package to use.

Type: package

Default:

```
<derivation strichliste−frontend−2.0.0>
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.domain
Domain name used to configure the webserver virtual host.

Type: string

Example:

```
"strichliste.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.environment
Environment variables consumed by Symfony.

See **https://github.com/strichliste/strichliste−backend/blob/v2.0.1/.env.dist** for possible options.

Type: open submodule of (attribute set)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.environment.APP_CACHE_DIR
Directory used for caching.

Type: absolute path

Default:

```
"/var/cache/strichliste"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.environment.APP_ENV
The active environment.

Type: string

Default:

```
"prod"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.environment.APP_LOG_DIR
Directory to write logs.

Type: absolute path

Default:

```
"/var/log/strichliste"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.environment.CORS_ALLOW_ORIGIN
Regular expression defining the allowed CORS origins.

Type: string

Default:

```
^https?://${config.services.strichliste.domain}(:[0−9]+)?$
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.environment.DATABASE_URL

See **https://www.doctrine-project.org/projects/doctrine-dbal/en/3.9/reference/configuration.html#connecting-using-a-url** for more URL examples.

Type: string

Default:

```
"sqlite:////var/lib/strichliste/db.sqlite"
```

Example:

```
"postgresql://strichliste@localhost/strichliste?host=/run/postgresq \
l"
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/strichliste.nix>

services.strichliste.environmentFiles

Environment files to configure Symfony.

See **https://github.com/strichliste/strichliste-backend/blob/v2.0.1/.env.dist** for possible options.

Important
You should configure 'APP_SECRET' here.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[
  "/run/keys/strichliste.env"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/strichliste.nix>

services.strichliste.nginx.enable

Whether to enable and configure an nginx vhost to serve strichliste.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/strichliste.nix>

services.strichliste.nginx.virtualHost

Nginx virtual settings to allow direct customization of its settings.

Type: submodule

Example:

```
{
  enableACME = true;
  forceSSL = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.enableACME
Whether to ask Let's Encrypt to sign a certificate for this vhost. Alternately, you can use an existing certificate through **useACMEHost**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.acmeFallbackHost
Host which to proxy requests to if ACME challenge is not found. Useful if you want multiple hosts to be able to verify the same domain name.

With this option, you could request certificates for the present domain with an ACME client that is running on another host, which you would specify here.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.acmeRoot
Directory for the ACME challenge, which is **public**. Don't put certs or keys in here. Set to null to inherit from config.security.acme.

Type: null or string

Default:

```
"/var/lib/acme/acme−challenge"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.addSSL
Whether to enable HTTPS in addition to plain HTTP. This will set defaults for 'listen' to listen on all interfaces on the respective default ports (80, 443).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.basicAuth
Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.basicAuthFile
Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.default
Makes this vhost the default.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.extraConfig
These lines go to the end of the vhost verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.forceSSL
Whether to add a separate nginx server block that redirects (defaults to 301, configurable with ‘redirectCode’) all plain HTTP traffic to HTTPS. This will set defaults for ‘listen’ to listen on all interfaces on the respective default ports (80, 443), where the non−SSL listens are used for the redirect vhosts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.globalRedirect
If set, all requests for this host are redirected (defaults to 301, configurable with ‘redirectCode’) to the given hostname.

Type: null or string

Default:

```
null
```

Example:

```
"newserver.example.org"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.http2

Whether to enable the HTTP/2 protocol. Note that (as of writing) due to nginx's implementation, to disable HTTP/2 you have to disable it on all vhosts that use a given IP address / port. If there is one server block configured to enable http2, then it is enabled for all server blocks on this IP. See **https://stackoverflow.com/a/39466948/263061**.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.http3

Whether to enable the HTTP/3 protocol. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that HTTP/3 support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/** HTTP/3 availability must be manually advertised, preferably in each location block.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.http3_hq

Whether to enable the HTTP/0.9 protocol negotiation used in QUIC interoperability tests. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that special application protocol support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.kTLS

Whether to enable kTLS support. Implementing TLS in the kernel (kTLS) improves performance by significantly reducing the need for copying operations between user space and the kernel. Required Nginx version 1.21.4 or later.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.listen
Listen addresses and ports for this virtual host. IPv6 addresses must be enclosed in square brackets. Note: this option overrides ‘addSSL’ and ‘onlySSL’.

If you only want to set the addresses manually and not the ports, take a look at ‘listenAddresses’.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    addr = "195.154.1.1";
    port = 443;
    ssl = true;
  }
  {
    addr = "192.154.1.1";
    port = 80;
  }
  {
    addr = "unix:/var/run/nginx.sock";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.listen.*.addr
Listen address.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.listen.*.extraParameters
Extra parameters of this listen directive.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "backlog=1024"
  "deferred"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.listen.*.port

Port number to listen on. If unset and the listen address is not a socket then nginx defaults to 80.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.listen.*.proxyProtocol

Enable PROXY protocol.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.listen.*.ssl

Enable SSL.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.listenAddresses

Listen addresses for this virtual host. Compared to ‘listen’ this only sets the addresses and the ports are chosen automatically.

Note: This option overrides ‘networking.enableIPv6’

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "127.0.0.1"
  "[::1]"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.locations

Declarative location config

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
```

```
    "/" = {
      proxyPass = "http://localhost:3000";
    };
  };
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.locations.<name>.alias
Alias directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/alias/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.locations.<name>.basicAuth
Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.locations.<name>.basicAuthFile
Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.locations.<name>.extraConfig
These lines go to the end of the location verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.locations.<name>.fastcgiParams
FastCGI parameters to override. Unlike in the Nginx configuration file, overriding only some default parameters won't unset the default values for other parameters.

Type: attribute set of (string or absolute path)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.locations.<name>.index
Adds index directive.

Type: null or string

Default:

```
null
```

Example:

```
"index.php index.html"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.locations.<name>.priority
Order of this location block in relation to the others in the vhost. The semantics are the same as with 'lib.mkOrder'. Smaller values have a greater priority.

Type: signed integer

Default:

```
1000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.locations.<name>.proxyPass
Adds proxy_pass directive and sets recommended proxy headers if recommendedProxySettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"http://www.example.org/"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.locations.<name>.proxyWebsockets
Whether to support proxying websocket connections with HTTP/1.1.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.locations.<name>.recommendedProxySettings
Enable recommended proxy settings.

Type: boolean

Default:

```
config.services.nginx.recommendedProxySettings
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.locations.<name>.recommendedUwsgiSettings
Enable recommended uwsgi settings.

Type: boolean

Default:

```
config.services.nginx.recommendedUwsgiSettings
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.locations.<name>.return
Adds a return directive, for e.g. redirections.

Type: null or string or signed integer

Default:

```
null
```

Example:

```
"301 http://example.com$request_uri"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.locations.<name>.root
Root directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/root/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.locations.<name>.tryFiles
Adds try_files directive.

Type: null or string

Default:

```
null
```

Example:

```
"$uri =404"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.locations.<name>.uwsgiPass

Adds uwsgi_pass directive and sets recommended proxy headers if recommendedUwsgiSettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"unix:/run/example/example.sock"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.onlySSL

Whether to enable HTTPS and reject plain HTTP connections. This will set defaults for 'listen' to listen on all interfaces on port 443.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.quic

Whether to enable the QUIC transport protocol. Note that QUIC support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.redirectCode

HTTP status used by 'globalRedirect' and 'forceSSL'. Possible usecases include temporary (302, 307) redirects, keeping the request method and body (307, 308), or explicitly resetting the method to GET (303). See **https://developer.mozilla.org/en−US/docs/Web/HTTP/Redirections**.

Type: integer between 300 and 399 (both inclusive)

Default:

```
301
```

Example:

```
308
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.rejectSSL

Whether to listen for and reject all HTTPS connections to this vhost. Useful in **default** server blocks to avoid serving the certificate for another vhost. Uses the 'ssl_reject_handshake' directive available in nginx versions 1.19.4 and above.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.reuseport

Create an individual listening socket . It is required to specify only once on one of the hosts.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.root

The path of the web root directory.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/data/webserver/docs"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.serverAliases

Additional names of virtual hosts served by this virtual host configuration.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
  "example.org"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.serverName

Name of this virtual host. Defaults to attribute name in virtualHosts.

Type: null or string

Default:

```
null
```

Example:

```
"example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.sslCertificate
Path to server SSL certificate.

Type: absolute path

Example:

```
"/var/host.cert"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.sslCertificateKey
Path to server SSL certificate key.

Type: absolute path

Example:

```
"/var/host.key"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.sslTrustedCertificate
Path to root SSL certificate for stapling and client certificates.

Type: null or absolute path

Default:

```
null
```

Example:

```
"${pkgs.cacert}/etc/ssl/certs/ca−bundle.crt"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.nginx.virtualHost.useACMEHost
A host of an existing Let's Encrypt certificate to use. This is useful if you have many subdomains and want to avoid hitting the **rate limit**. Alternately, you can generate a certificate through **enableACME**. *Note that this option does not create any certificates, nor it does add subdomains to existing ones – you will need to create them manually using* **security.acme.certs**[2].

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

2. see the **security.acme.certs** option

services.strichliste.settings

The *strichliste.yaml* configuration as a Nix attribute set.

See the **configuration reference** for possible options.

Type: open submodule of (YAML 1.1 value)

Declared by:

<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.settings.account.lower

The credit limit for user accounts.

Type: signed integer

Default:

```
−200000
```

Example:

Declared by:

<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.settings.account.upper

The maximum balance on a user account.

Type: positive integer, meaning >0

Default:

```
200000
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.settings.common.idleTimeout

Time until the app returns to the start page.

Type: signed integer

Default:

```
30000
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.settings.i18n.currency.alpha3

ISO 4217 alpha code representing the currency.

Type: string

Example:

```
"EUR"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.settings.i18n.currency.name

Name of the currency.

Type: string

Example:

```
"Euro"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/strichliste.nix>

services.strichliste.settings.i18n.currency.symbol
Symbol for the currency.

Type: string

Example:

```
"€"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/strichliste.nix>

services.strichliste.settings.i18n.language
Language used throughout the app.

Type: string

Default:

```
"en"
```

Example:

```
"de"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/strichliste.nix>

services.strichliste.settings.i18n.timezone
Timezone used throughout the app, e.g. in the transaction log.

Type: string

Default:

```
config.time.timeZone
```

Example:

```
"Europe/Berlin"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/strichliste.nix>

services.strichliste.settings.payment.boundary.lower
The lowest amount that can be used for payments.

Type: signed integer

Default:

```
-2000
```

Example:

Declared by:
<nixpkgs/nixos/modules/services/web-apps/strichliste.nix>

services.strichliste.settings.payment.boundary.upper
The highest amount that can be used for payment.

Type: positive integer, meaning >0

Default:

```
15000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.settings.payment.deposit.enabled
Whether to allow money deposits.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.settings.payment.deposit.custom
Whether to allow custom amounts for deposits.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.settings.payment.deposit.steps
List of selectable deposit amounts.

This should match your most common coins and banknotes.

Type: list of (signed integer or floating point number)

Default:

```
[ ]
```

Example:

```
[
  0.5
  1
  2
  5
  10
  20
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.settings.payment.dispense.enabled
Whether to allow spending money.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.settings.payment.dispense.custom

Whether to allow custom spending amounts.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.settings.payment.dispense.steps

List of selectable spending amounts.

This should match your most common products.

Type: list of (signed integer or floating point number)

Default:

```
[ ]
```

Example:

```
[
  0.5
  1
  2
  5
  10
  20
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.settings.payment.transaction.enabled

Whether to allow transactions between user accounts.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.settings.payment.undo.enabled

Whether to allow undoing transactions withing the **services.strichliste.settings.payment.undo.timeout** period.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.settings.payment.undo.delete

Whether to allow deleting within the **services.strichliste.settings.payment.undo.timeout** period.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.settings.payment.undo.timeout

The time period after creating a transaction in which undoing/deleting remains possible.

The format used is documented in **https://www.php.net/manual/en/dateinterval.createfromdatestring.php**.

Type: string

Default:

```
"5 minute"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strichliste.settings.user.stalePeriod

Duration after which users are listed as inactive.

The format used is documented in **https://www.php.net/manual/en/dateinterval.createfromdatestring.php**.

Tip

This helps unclutter the user listing by prioritizing active users.

Type: string

Default:

```
"10 day"
```

Example:

```
"1 week"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/strichliste.nix>

services.strongswan.enable

Whether to enable strongSwan.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan.nix>

services.strongswan.enabledPlugins

A list of additional plugins to enable if **managePlugins** is true.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan.nix>

services.strongswan.ca

A set of CAs (certification authorities) and their options for the ‘ca xxx’ sections of the *ipsec.conf* file.

Type: attribute set of attribute set of string

Default:

```
{ }
```

Example:

```
{
  strongswan = {
    auto = "add";
    cacert = "/run/keys/strongswanCert.pem";
    crluri = "http://crl2.strongswan.org/strongswan.crl";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan.nix>

services.strongswan.connections

A set of connections and their options for the ‘conn xxx’ sections of the *ipsec.conf* file.

Type: attribute set of attribute set of string

Default:

```
{ }
```

Example:

```
{
  "%default" = {
    keyexchange = "ikev2";
    keyingtries = "1";
  };
  roadwarrior = {
    auto       = "add";
    leftcert   = "/run/keys/moonCert.pem";
    leftid     = "@moon.strongswan.org";
    leftsubnet = "10.1.0.0/16";
    right      = "%any";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan.nix>

services.strongswan.managePlugins

If set to true, this option will disable automatic plugin loading and then tell strongSwan to enable the plugins specified in the **enabledPlugins** option.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan.nix>

services.strongswan.secrets

A list of paths to IPSec secret files. These files will be included into the main ipsec.secrets file with the 'include' directive. It is safer if these paths are absolute.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "/run/keys/ipsec-foo.secret"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan.nix>

services.strongswan.setup

A set of options for the 'config setup' section of the *ipsec.conf* file. Defines general configuration parameters.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  cachecrls = "yes";
  strictcrlpolicy = "yes";
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan.nix>

services.strongswan-swanctl.enable

Whether to enable strongswan-swanctl service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.package
The strongswan package to use.

Type: package

Default:

```
pkgs.strongswan
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.includes
Extra configuration files to include in the swanctl configuration. This can be used to provide secret values from outside the nix store.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.strongswan.extraConfig
Contents of the *strongswan.conf* file.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.authorities
Section defining complementary attributes of certification authorities, each in its own subsection with an arbitrary yet unique name

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.authorities.<name>.cacert
The certificates may use a relative path from the swanctl ‘x509ca’ directory or an absolute path.

Configure one of **cacert**, **file**, or **handle** per section.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan−swanctl.swanctl.authorities.<name>.cert_uri_base
Defines the base URI for the Hash and URL feature supported by IKEv2. Instead of exchanging complete certificates, IKEv2 allows one to send an URI that resolves to the DER encoded certificate. The certificate URIs are built by appending the SHA1 hash of the DER encoded certificates to this base URI.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.authorities.<name>.crl_uris
List of CRL distribution points (ldap, http, or file URI).

StrongSwan default: '[]'

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.authorities.<name>.file
Absolute path to the certificate to load. Passed as−is to the daemon, so it must be readable by it.

Configure either this or **handle**, but not both, in one section.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.authorities.<name>.handle
Hex−encoded CKA_ID or handle of the certificate on a token or TPM, respectively.

Configure either this or **file**, but not both, in one section.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.authorities.<name>.module
Optional PKCS#11 module name.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.authorities.<name>.ocsp_uris
List of OCSP URIs.

StrongSwan default: '[]'

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.authorities.<name>.slot
Optional slot number of the token that stores the certificate.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections
Section defining IKE connection configurations, each in its own subsection with an arbitrary yet unique name

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.aggressive
Enables Aggressive Mode instead of Main Mode with Identity Protection. Aggressive Mode is considered less secure, because the ID and HASH payloads are exchanged unprotected. This allows a passive attacker to snoop peer identities, and even worse, start dictionary attacks on the Preshared Key.

StrongSwan default: 'false'

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.childless
Use childless IKE_SA initiation (*allow*, *prefer*, *force* or *never*).

Use childless IKE_SA initiation (RFC 6023) for IKEv2, with the first CHILD_SA created with a separate CREATE_CHILD_SA exchange (e.g. to use an independent key exchange for all CHILD_SAs). Acceptable values are *allow* (the default), *prefer*, *force* and *never*. If set to *allow*, responders will accept childless IKE_SAs (as indicated via notify in the IKE_SA_INIT response) while initiators continue to create regular IKE_SAs with the first CHILD_SA created during IKE_AUTH, unless the IKE_SA is initiated explicitly without any children (which will fail if the responder does not support or has disabled this extension). The effect of *prefer* is the same as *allow* on responders, but as initiator a childless IKE_SA is initiated if the responder supports it. If set to *force*, only childless initiation is accepted in either role. Finally, setting the option to *never* disables support for childless IKE_SAs as responder.

StrongSwan default: ‘"allow"’

Type: null or one of “allow”, “prefer”, “force”, “never”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.connections.<name>.children
CHILD_SA configuration sub-section. Each connection definition may have one or more sections in its **children** subsection. The section name defines the name of the CHILD_SA configuration, which must be unique within the connection (denoted <child> below).

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.connections.<name>.children.<name>.ah_proposals
AH proposals to offer for the CHILD_SA. A proposal is a set of algorithms. For AH, this includes an integrity algorithm and an optional key exchange method. If a KE method is specified, CHILD_SA/Quick Mode rekeying and initial negotiation uses a separate key exchange using the negotiated method (refer to *esp_proposals* for details).

With peers that support multiple IKEv2 key exchanges (RFC 9370), up to seven additional key exchanges may be negotiated. They can be configured by prefixing the algorithm keyword with **keX_** (where X is a number between 1 and 7).

For IKEv2, multiple algorithms of the same kind can be specified in a single proposal, from which one gets selected. For IKEv1, only one algorithm per kind is allowed per proposal, more algorithms get implicitly stripped. Use multiple proposals to offer different algorithm combinations with IKEv1.

Algorithm keywords get separated using dashes. The special value *default* forms a default proposal of supported algorithms considered safe, and is usually a good choice for interoperability. By default no AH proposals are included, instead ESP is proposed.

StrongSwan default: ‘[]’

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.connections.<name>.children.<name>.close_action
Action to perform after a CHILD_SA gets closed by the peer.

- The default of ‘none’ does not take any action,
- ‘trap’ installs a trap policy for the CHILD_SA.
- ‘start’ tries to re-create the CHILD_SA.

close_action does not provide any guarantee that the CHILD_SA is kept alive. It acts on explicit close messages only, but not on negotiation failures. Use trap policies to reliably re-create failed CHILD_SAs.

StrongSwan default: ‘"none"’

Type: null or one of “none”, “trap”, “start”

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.connections.<name>.children.<name>.copy_df

Whether to copy the DF bit to the outer IPv4 header in tunnel mode. This effectively disables Path MTU discovery (PMTUD). Controlling this behavior is not supported by all kernel interfaces.

StrongSwan default: ‘true’

Type: null or boolean

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.connections.<name>.children.<name>.copy_dscp

Whether to copy the DSCP (Differentiated Services Field Codepoint) header field to/from the outer IP header in tunnel mode. The value ‘out’ only copies the field from the inner to the outer header, the value ‘in’ does the opposite and only copies the field from the outer to the inner header when decapsulating, the value ‘yes’ copies the field in both directions, and the value ‘no’ disables copying the field altogether. Setting this to ‘yes’ or ‘in’ could allow an attacker to adversely affect other traffic at the receiver, which is why the default is ‘out’. Controlling this behavior is not supported by all kernel interfaces.

StrongSwan default: ‘"out"’

Type: null or one of “out”, “in”, “yes”, “no”

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.connections.<name>.children.<name>.copy_ecn

Whether to copy the ECN (Explicit Congestion Notification) header field to/from the outer IP header in tunnel mode. Controlling this behavior is not supported by all kernel interfaces.

StrongSwan default: ‘true’

Type: null or boolean

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.connections.<name>.children.<name>.dpd_action

Action to perform for this CHILD_SA on DPD timeout. The default clear closes the CHILD_SA and does not take further action. trap installs a trap policy, which will catch matching traffic and tries to re-negotiate the tunnel on-demand. restart immediately tries to re-negotiate the CHILD_SA under a fresh IKE_SA.

StrongSwan default: ‘"clear"’

Type: null or one of “clear”, “trap”, “restart”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.connections.<name>.children.<name>.esp_proposals
ESP proposals to offer for the CHILD_SA. A proposal is a set of algorithms. For non-AEAD ESP proposals, this includes an integrity algorithm, an encryption algorithm, an optional key exchange method and an optional Extended Sequence Number Mode indicator. For AEAD proposals, a combined mode algorithm is used instead of the separate encryption/integrity algorithms.

If a key exchange method is specified, CHILD_SA/Quick Mode rekeying and initial negotiation use a separate key exchange using the specified method. However, for IKEv2, the keys of the CHILD_SA created implicitly with the IKE_SA will always be derived from the IKE_SA's key material. So any key exchange method specified here will only apply when the CHILD_SA is later rekeyed or is created with a separate CREATE_CHILD_SA exchange. A proposal mismatch might, therefore, not immediately be noticed when the SA is established, but may later cause rekeying to fail.

With peers that support multiple IKEv2 key exchanges (RFC 9370), up to seven additional key exchanges may be negotiated. They can be configured by prefixing the algorithm keyword with **keX_** (where X is a number between 1 and 7).

Extended Sequence Number support may be indicated with the *esn* and *noesn* values, both may be included to indicate support for both modes. If omitted, *noesn* is assumed.

For IKEv2, multiple algorithms of the same kind can be specified in a single proposal, from which one gets selected. For IKEv1, only one algorithm per kind is allowed per proposal, more algorithms get implicitly stripped. Use multiple proposals to offer different algorithm combinations with IKEv1.

Algorithm keywords get separated using dashes. The special value *default* forms a default proposal of supported algorithms considered safe, and is usually a good choice for interoperability. If no algorithms are specified for AH nor ESP, the *default* set of algorithms for ESP is included.

StrongSwan default: '["default"]'

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.connections.<name>.children.<name>.hostaccess
Hostaccess variable to pass to 'updown' script.

StrongSwan default: 'false'

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.connections.<name>.children.<name>.hw_offload
Enable hardware offload for this CHILD_SA, if supported by the IPsec implementation. The values 'crypto' or 'packet' enforce crypto or full packet offloading and the installation will fail if the selected mode is not supported by either kernel or device. On Linux, 'packet' also offloads policies, including trap policies. The value 'auto' enables full packet or crypto offloading, if either is supported, but the installation does not fail otherwise.

StrongSwan default: ‘"no"’

Type: null or one of “yes”, “no”, “auto”, “crypto”, “packet”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.connections.<name>.children.<name>.icmp

Whether to forward certain ICMP error messages even if their source IP doesn’t match the negotiated IPsec policies.

ICMP error messages, such as Destination Unreachable, Time Exceeded or Fragmentation Needed, may be generated by a host whose IP address isn’t included in the negotiated traffic selectors and therefore doesn’t match the IPsec policies. If this option is enabled and the kernel supports it, such packets may still be forwarded. As ICMP errors contain parts of the IP packet that triggered them, the kernel will base its decision on a reverse policy lookup using that IP header.

StrongSwan default: ‘false’

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.connections.<name>.children.<name>.if_id_in

XFRM interface ID set on inbound policies/SA. This allows installing duplicate policies/SAs and associates them with an interface with the same ID. The special value ‘%unique’ sets a unique interface ID on each CHILD_SA instance, beyond that the value ‘%unique-dir’ assigns a different unique interface ID for each CHILD_SA direction (in/out).

StrongSwan default: ‘"0"’

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.connections.<name>.children.<name>.if_id_out

XFRM interface ID set on outbound policies/SA. This allows installing duplicate policies/SAs and associates them with an interface with the same ID. The special value ‘%unique’ sets a unique interface ID on each CHILD_SA instance, beyond that the value ‘%unique-dir’ assigns a different unique interface ID for each CHILD_SA direction (in/out).

The daemon will not install routes for CHILD_SAs that have this option set.

StrongSwan default: ‘"0"’

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.connections.<name>.children.<name>.inactivity
Timeout before closing CHILD_SA after inactivity. If no traffic has been processed in either direction for the configured timeout, the CHILD_SA gets closed due to inactivity. The default value of 0 disables inactivity checks.

StrongSwan default: ‘"0s"’

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.connections.<name>.children.<name>.interface
Optional interface name to restrict outbound IPsec policies.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.connections.<name>.children.<name>.ipcomp
Enable IPComp compression before encryption. If enabled, IKE tries to negotiate IPComp compression to compress ESP payload data prior to encryption.

StrongSwan default: ‘false’

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.connections.<name>.children.<name>.life_bytes
Maximum bytes processed before CHILD_SA gets closed. Usually this hard volume limit is never reached, because the CHILD_SA gets rekeyed before. If that fails for whatever reason, this limit closes the CHILD_SA. The default is 10% more than **rekey_bytes**.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.connections.<name>.children.<name>.life_packets
Maximum number of packets processed before CHILD_SA gets closed. Usually this hard packets limit is never reached, because the CHILD_SA gets rekeyed before. If that fails for whatever reason, this limit closes the CHILD_SA.

The default is 10% more than **rekey_bytes**.

Type: null or signed integer

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.connections.<name>.children.<name>.life_time

Maximum lifetime before CHILD_SA gets closed. Usually this hard lifetime is never reached, because the CHILD_SA gets rekeyed before. If that fails for whatever reason, this limit closes the CHILD_SA. The default is 10% more than the **rekey_time**.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.connections.<name>.children.<name>.local_ts

List of local traffic selectors to include in CHILD_SA. Each selector is a CIDR subnet definition, followed by an optional proto/port selector. The special value *dynamic* may be used instead of a subnet definition, which gets replaced by the tunnel outer address or the virtual IP, if negotiated. This is the default.

A protocol/port selector is surrounded by opening and closing square brackets. Between these brackets, a numeric or **getservent**(3) protocol name may be specified. After the optional protocol restriction, an optional port restriction may be specified, separated by a slash. The port restriction may be numeric, a **getservent**(3) service name, or the special value *opaque* for RFC 4301 OPAQUE selectors. Port ranges may be specified as well, none of the kernel backends currently support port ranges, though. If the protocol is *icmp* or *ipv6-icmp*, the port is interpreted as ICMP message type if it is less than 256 or as type and code if it is greater or equal to 256, with the type in the most significant 8 bits and the code in the least significant 8 bits.

When IKEv1 is used only the first selector is interpreted, except if the Cisco Unity extension plugin is used. This is due to a limitation of the IKEv1 protocol, which only allows a single pair of selectors per CHILD_SA. So to tunnel traffic matched by several pairs of selectors when using IKEv1 several children (CHILD_SAs) have to be defined that cover the selectors.

The IKE daemon uses traffic selector narrowing for IKEv1, the same way it is standardized and implemented for IKEv2. However, this may lead to problems with other implementations. To avoid that, configure identical selectors in such scenarios.

StrongSwan default: ‘["dynamic"]’

Type: null or (list of string)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.connections.<name>.children.<name>.mark_in

Netfilter mark and mask for input traffic. On Linux, Netfilter may require marks on each packet to match an SA/policy having that option set. This allows installing duplicate policies and enables Netfilter rules to select specific SAs/policies for incoming traffic. Note that inbound marks are only set on policies, by default, unless **mark_in_sa** is enabled. The special value ‘%unique’ sets a unique mark on each CHILD_SA instance, beyond that the value ‘%unique-dir’ assigns a different unique mark for each

An additional mask may be appended to the mark, separated by ‘/’. The default mask if omitted is ‘0xffffffff’.

StrongSwan default: ‘"0/0x00000000"’

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.connections.<name>.children.<name>.mark_in_sa

Whether to set **mark_in** on the inbound SA. By default, the inbound mark is only set on the inbound policy. The tuple destination address, protocol and SPI is unique and the mark is not required to find the correct SA, allowing to mark traffic after decryption instead (where more specific selectors may be used) to match different policies. Marking packets before decryption is still possible, even if no mark is set on the SA.

StrongSwan default: ‘false’

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.connections.<name>.children.<name>.mark_out

Netfilter mark and mask for output traffic. On Linux, Netfilter may require marks on each packet to match a policy/SA having that option set. This allows installing duplicate policies and enables Netfilter rules to select specific policies/SAs for outgoing traffic. The special value ‘%unique’ sets a unique mark on each CHILD_SA instance, beyond that the value ‘%unique-dir’ assigns a different unique mark for each CHILD_SA direction (in/out).

An additional mask may be appended to the mark, separated by ‘/’. The default mask if omitted is ‘0xffffffff’.

StrongSwan default: ‘"0/0x00000000"’

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.connections.<name>.children.<name>.mode

IPsec Mode to establish CHILD_SA with.

- ‘tunnel’ negotiates the CHILD_SA in IPsec Tunnel Mode,
- whereas ‘transport’ uses IPsec Transport Mode.
- ‘transport_proxy’ signifying the special Mobile IPv6 Transport Proxy Mode.
- ‘beet’ is the Bound End to End Tunnel mixture mode, working with fixed inner addresses without the need to include them in each packet.
- Both ‘transport’ and ‘beet’ modes are subject to mode negotiation; ‘tunnel’ mode is negotiated if the preferred mode is not available.
- ‘pass’ and ‘drop’ are used to install shunt policies which explicitly bypass the defined traffic from IPsec processing or drop it, respectively.

StrongSwan default: ‘"tunnel"’

Type: null or one of “tunnel”, “transport”, “transport_proxy”, “beet”, “pass”, “drop”

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.children.<name>.per_cpu_sas

Enable per−CPU CHILD_SAs. Requires ‘trap’ in ‘start_action’. The value ‘encap’ enables a special type of UDP encapsulation (requires enabling ‘encap’ for the connection if there is no NAT), where a random source port is used for each outbound per−CPU SA (the destination port for all of them remains 4500). This allows using the port for RSS if the SPI can’t be used. Note that this type of behavior is not standardized and not negotiated. So regardless of whether the option is enabled, inbound per−CPU SAs with UDP−encapsulation always have the source port set to 0 as the peer’s random port is unknown if it has this option enabled.

StrongSwan default: ‘"no"’

Type: null or one of “yes”, “no”, “encap”

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.children.<name>.policies

Whether to install IPsec policies or not. Disabling this can be useful in some scenarios e.g. MIPv6, where policies are not managed by the IKE daemon. Since 5.3.3.

StrongSwan default: ‘true’

Type: null or boolean

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.children.<name>.policies_fwd_out

Whether to install outbound FWD IPsec policies or not. Enabling this is required in case there is a drop policy that would match and block forwarded traffic for this CHILD_SA. Since 5.5.1.

StrongSwan default: ‘false’

Type: null or boolean

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.children.<name>.priority

Optional fixed priority for IPsec policies. This could be useful to install high−priority drop policies. The default of 0 uses dynamically calculated priorities based on the size of the traffic selectors.

StrongSwan default: ‘0’

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.children.<name>.rand_bytes
Byte range from which to choose a random value to subtract from **rekey_bytes**. The default is the difference between **life_bytes** and **rekey_bytes**.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.children.<name>.rand_packets
Packet range from which to choose a random value to subtract from **rekey_packets**. The default is the difference between **life_packets** and **rekey_packets**.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.children.<name>.rand_time
Time range from which to choose a random value to subtract from **rekey_time**. The default is the difference between **life_time** and **rekey_time**.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.children.<name>.rekey_bytes
Number of bytes processed before initiating CHILD_SA rekeying.

Number of bytes processed before initiating CHILD_SA rekeying. CHILD_SA rekeying refreshes key material, optionally using a Diffie−Hellman exchange if a group is specified in the proposal.

To avoid rekey collisions initiated by both ends simultaneously, a value in the range of **rand_bytes** gets subtracted to form the effective soft volume limit.

Volume based CHILD_SA rekeying is disabled by default. If **life_bytes** is explicitly configured, **rekey_bytes** defaults to 10% less than that.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.children.<name>.rekey_packets
Number of packets processed before initiating CHILD_SA rekeying.

Number of packets processed before initiating CHILD_SA rekeying. CHILD_SA rekeying refreshes key material, optionally using a Diffie−Hellman exchange if a group is specified in the proposal.

To avoid rekey collisions initiated by both ends simultaneously, a value in the range of **rand_packets** gets subtracted to form the effective soft packet count limit.

Packet count based CHILD_SA rekeying is disabled by default. If **life_packets** is explicitly configured, **rekey_packets** defaults to 10% less than that.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.children.<name>.rekey_time
Time to schedule CHILD_SA rekeying. CHILD_SA rekeying refreshes key material, optionally using a Diffie−Hellman exchange if a group is specified in the proposal.

To avoid rekey collisions initiated by both ends simultaneously, a value in the range of **rand_time** gets subtracted to form the effective soft lifetime.

If **life_time** is explicitly configured, **rekey_time** defaults to 10% less than that, otherwise, CHILD_SA rekeying is scheduled every hour, minus **rand_time**.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.children.<name>.remote_ts
List of remote selectors to include in CHILD_SA. See **local_ts** for a description of the selector syntax.

StrongSwan default: ‘["dynamic"]’

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.children.<name>.replay_window
IPsec replay window to configure for this CHILD_SA. Larger values than the default of ‘32’ are supported using the Netlink backend only, a value of ‘0’ disables IPsec replay protection.

StrongSwan default: ‘32’

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.connections.<name>.children.<name>.reqid
Fixed reqid to use for this CHILD_SA. This might be helpful in some scenarios, but works only if each CHILD_SA configuration is instantiated not more than once. The default of 0 uses dynamic reqids, allocated incrementally.

StrongSwan default: ‘0’

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.connections.<name>.children.<name>.set_mark_in
Netfilter mark applied to packets after the inbound IPsec SA processed them. This way it’s not necessary to mark packets via Netfilter before decryption or right afterwards to match policies or process them differently (e.g. via policy routing).

An additional mask may be appended to the mark, separated by ‘/’. The default mask if omitted is 0xffffffff. The special value ‘%same’ uses the value (but not the mask) from **mark_in** as mark value, which can be fixed, ‘%unique’ or ‘%unique-dir’.

Setting marks in XFRM input requires Linux 4.19 or higher.

StrongSwan default: ‘"0/0x00000000"’

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.connections.<name>.children.<name>.set_mark_out
Netfilter mark applied to packets after the outbound IPsec SA processed them. This allows processing ESP packets differently than the original traffic (e.g. via policy routing).

An additional mask may be appended to the mark, separated by ‘/’. The default mask if omitted is 0xffffffff. The special value ‘%same’ uses the value (but not the mask) from **mark_out** as mark value, which can be fixed, ‘%unique_’ or ‘%unique-dir’.

Setting marks in XFRM output is supported since Linux 4.14. Setting a mask requires at least Linux 4.19.

StrongSwan default: ‘"0/0x00000000"’

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.children.<name>.sha256_96

HMAC−SHA−256 is used with 128−bit truncation with IPsec. For compatibility with implementations that incorrectly use 96−bit truncation this option may be enabled to configure the shorter truncation length in the kernel. This is not negotiated, so this only works with peers that use the incorrect truncation length (or have this option enabled).

StrongSwan default: ‘false’

Type: null or boolean

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.children.<name>.start_action

Action to perform after loading the configuration.

- The default of ‘none’ loads the connection only, which then can be manually initiated or used as a responder configuration.
- The value ‘trap’ installs a trap policy, which triggers the tunnel as soon as matching traffic has been detected.
- The value ‘start’ initiates the connection actively.
- Since version 5.9.6 two modes above can be combined with ‘trap|start’, to immediately initiate a connection for which trap policies have been installed.

When unloading or replacing a CHILD_SA configuration having a **start_action** different from ‘none’, the inverse action is performed. Configurations with ‘start’ get closed, while such with ‘trap’ get uninstalled.

StrongSwan default: ‘"none"’

Type: null or one of “none”, “trap”, “start”, “trap|start”

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.children.<name>.tfc_padding

Pads ESP packets with additional data to have a consistent ESP packet size for improved Traffic Flow Confidentiality. The padding defines the minimum size of all ESP packets sent. The default value of ‘0’ disables TFC padding, the special value ‘mtu’ adds TFC padding to create a packet size equal to the Path Maximum Transfer Unit.

StrongSwan default: ‘0’

Type: null or signed integer or value “mtu” (singular enum)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.children.<name>.updown
Updown script to invoke on CHILD_SA up and down events.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.dpd_delay
Interval to check the liveness of a peer actively using IKEv2 INFORMATIONAL exchanges or IKEv1 R_U_THERE messages. Active DPD checking is only enforced if no IKE or ESP/AH packet has been received for the configured DPD delay.

StrongSwan default: ‘"0s"’

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.dpd_timeout
Charon by default uses the normal retransmission mechanism and timeouts to check the liveness of a peer, as all messages are used for liveness checking. For compatibility reasons, with IKEv1 a custom interval may be specified; this option has no effect on connections using IKEv2.

StrongSwan default: ‘"0s"’

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.dscp
Differentiated Services Field Codepoint to set on outgoing IKE packets for this connection. The value is a six digit binary encoded string specifying the Codepoint to set, as defined in RFC 2474.

StrongSwan default: ‘"000000"’

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.encap
To enforce UDP encapsulation of ESP packets, the IKE daemon can fake the NAT detection payloads. This makes the peer believe that NAT takes place on the path, forcing it to encapsulate ESP packets in UDP.

Usually this is not required, but it can help to work around connectivity issues with too restrictive intermediary firewalls.

StrongSwan default: ‘false’

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.connections.<name>.fragmentation
Use IKE fragmentation (proprietary IKEv1 extension or RFC 7383 IKEv2 fragmentation). Acceptable values are ‘yes’ (the default since 5.5.1), ‘accept’ (since versions:5.5.3), ‘force’ and ‘no’.

- If set to ‘yes’, and the peer supports it, oversized IKE messages will be sent in fragments.
- If set to ‘accept’, support for fragmentation is announced to the peer but the daemon does not send its own messages in fragments.
- If set to ‘force’ (only supported for IKEv1) the initial IKE message will already be fragmented if required.
- Finally, setting the option to ‘no’ will disable announcing support for this feature.

Note that fragmented IKE messages sent by a peer are always processed irrespective of the value of this option (even when set to no).

StrongSwan default: ‘"yes"’

Type: null or one of “yes”, “accept”, “force”, “no”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.connections.<name>.if_id_in
XFRM interface ID set on inbound policies/SA, can be overridden by child config, see there for details.

The special value ‘%unique’ allocates a unique interface ID per IKE_SA, which is inherited by all its CHILD_SAs (unless overridden there), beyond that the value ‘%unique-dir’ assigns a different unique interface ID for each direction (in/out).

StrongSwan default: ‘"0"’

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.connections.<name>.if_id_out
XFRM interface ID set on outbound policies/SA, can be overridden by child config, see there for details.

The special value ‘%unique’ allocates a unique interface ID per IKE_SA, which is inherited by all its CHILD_SAs (unless overridden there), beyond that the value ‘%unique-dir’ assigns a different unique interface ID for each direction (in/out).

StrongSwan default: ‘"0"’

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.keyingtries
Number of retransmission sequences to perform during initial connect. Instead of giving up initiation after the first retransmission sequence with the default value of ‘1’, additional sequences may be started according to the configured value. A value of ‘0’ initiates a new sequence until the connection establishes or fails with a permanent error.

StrongSwan default: ‘1’

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.local
Section for a local authentication round. A local authentication round defines the rules how authentication is performed for the local peer. Multiple rounds may be defined to use IKEv2 RFC 4739 Multiple Authentication or IKEv1 XAuth.

Each round is defined in a section having ‘local’ as prefix, and an optional unique suffix. To define a single authentication round, the suffix may be omitted.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.local.<name>.aaa_id
Server side EAP−Identity to expect in the EAP method. Some EAP methods, such as EAP−TLS, use an identity for the server to perform mutual authentication. This identity may differ from the IKE identity, especially when EAP authentication is delegated from the IKE responder to an AAA backend.

For EAP−(T)TLS, this defines the identity for which the server must provide a certificate in the TLS exchange.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.local.<name>.auth
Authentication to perform locally.

- The default ‘pubkey’ uses public key authentication using a private key associated to a usable certificate.
- ‘psk’ uses pre−shared key authentication.
- The IKEv1 specific ‘xauth’ is used for XAuth or Hybrid authentication,
- while the IKEv2 specific ‘eap’ keyword defines EAP authentication.
- For ‘xauth’, a specific backend name may be appended, separated by a dash. The appropriate ‘xauth’ backend is selected to perform the XAuth exchange. For traditional XAuth, the ‘xauth’ method is usually defined in the second authentication round following an initial ‘pubkey’ (or ‘psk’) round.

Using ‘xauth’ in the first round performs Hybrid Mode client authentication.

- For ‘eap’, a specific EAP method name may be appended, separated by a dash. An EAP module implementing the appropriate method is selected to perform the EAP conversation.
- Since 5.4.0, if both peers support RFC 7427 (“Signature Authentication in IKEv2”) specific hash algorithms to be used during IKEv2 authentication may be configured. To do so use ‘ike:’ followed by a trust chain signature scheme constraint (see description of the **remote** section’s **auth** keyword). For example, with ‘ike:pubkey−sha384−sha256’ a public key signature scheme with either SHA−384 or SHA−256 would get used for authentication, in that order and depending on the hash algorithms supported by the peer. If no specific hash algorithms are configured, the default is to prefer an algorithm that matches or exceeds the strength of the signature key. If no constraints with ‘ike:’ prefix are configured any signature scheme constraint (without ‘ike:’ prefix) will also apply to IKEv2 authentication, unless this is disabled in *strongswan.conf*. To use RSASSA−PSS signatures use ‘rsa/pss’ instead of ‘pubkey’ or ‘rsa’ as in e.g. ‘ike:rsa/pss−sha256’. If ‘pubkey’ or ‘rsa’ constraints are configured RSASSA−PSS signatures will only be used if enabled in ‘strongswan.conf’(5).

StrongSwan default: ‘"pubkey"’

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.local.<name>.cert
Section for a certificate candidate to use for authentication. Certificates in certs are transmitted as binary blobs, these sections offer more flexibility.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.local.<name>.cert.<name>.file
Absolute path to the certificate to load. Passed as−is to the daemon, so it must be readable by it.

Configure either this or **handle**, but not both, in one section.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.local.<name>.cert.<name>.handle
Hex−encoded CKA_ID or handle of the certificate on a token or TPM, respectively.

Configure either this or **file**, but not both, in one section.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.local.<name>.cert.<name>.module
Optional PKCS#11 module name.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.local.<name>.cert.<name>.slot
Optional slot number of the token that stores the certificate.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.local.<name>.certs
List of certificate candidates to use for authentication. The certificates may use a relative path from the swanctl ‘x509’ directory or an absolute path.

The certificate used for authentication is selected based on the received certificate request payloads. If no appropriate CA can be located, the first certificate is used.

StrongSwan default: ‘[]’

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.local.<name>.eap_id
Client EAP−Identity to use in EAP−Identity exchange and the EAP method.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.local.<name>.id
IKE identity to use for authentication round. When using certificate authentication, the IKE identity must be contained in the certificate, either as subject or as subjectAltName.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.local.<name>.pubkeys
List of raw public key candidates to use for authentication. The public keys may use a relative path from the swanctl 'pubkey' directory or an absolute path.

Even though multiple local public keys could be defined in principle, only the first public key in the list is used for authentication.

StrongSwan default: '[]'

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.local.<name>.round
Optional numeric identifier by which authentication rounds are sorted. If not specified rounds are ordered by their position in the config file/vici message.

StrongSwan default: '0'

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.local.<name>.xauth_id
Client XAuth username used in the XAuth exchange.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.local_addrs
Local address(es) to use for IKE communication. Takes single IPv4/IPv6 addresses, DNS names, CIDR subnets or IP address ranges.

As initiator, the first non−range/non−subnet is used to initiate the connection from. As responder, the local destination address must match at least to one of the specified addresses, subnets or ranges.

If FQDNs are assigned they are resolved every time a configuration lookup is done. If DNS resolution times out, the lookup is delayed for that time.

StrongSwan default: '[]'

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.local_port
Local UDP port for IKE communication. By default the port of the socket backend is used, which is usually ‘500’. If port ‘500’ is used, automatic IKE port floating to port ‘4500’ is used to work around NAT issues.

Using a non−default local IKE port requires support from the socket backend in use (socket−dynamic).

StrongSwan default: ‘500’

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.mediated_by
The name of the connection to mediate this connection through. If given, the connection will be mediated through the named mediation connection. The mediation connection must have mediation enabled.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.mediation
Whether this connection is a mediation connection, that is, whether this connection is used to mediate other connections using the IKEv2 Mediation Extension. Mediation connections create no CHILD_SA.

StrongSwan default: ‘false’

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.mediation_peer
Identity under which the peer is registered at the mediation server, that is, the IKE identity the other end of this connection uses as its local identity on its connection to the mediation server. This is the identity we request the mediation server to mediate us with. Only relevant on connections that set mediated_by. If it is not given, the remote IKE identity of the first authentication round of this connection will be used.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.mobike

Enables MOBIKE on IKEv2 connections. MOBIKE is enabled by default on IKEv2 connections, and allows mobility of clients and multi−homing on servers by migrating active IPsec tunnels.

Usually keeping MOBIKE enabled is unproblematic, as it is not used if the peer does not indicate support for it. However, due to the design of MOBIKE, IKEv2 always floats to port 4500 starting from the second exchange. Some implementations don't like this behavior, hence it can be disabled.

StrongSwan default: 'true'

Type: null or boolean

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.over_time

Hard IKE_SA lifetime if rekey/reauth does not complete, as time. To avoid having an IKE/ISAKMP kept alive if IKE reauthentication or rekeying fails perpetually, a maximum hard lifetime may be specified. If the IKE_SA fails to rekey or reauthenticate within the specified time, the IKE_SA gets closed.

In contrast to CHILD_SA rekeying, over_time is relative in time to the rekey_time and reauth_time values, as it applies to both.

The default is 10% of the longer of **rekey_time** and **reauth_time**.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.pools

List of named IP pools to allocate virtual IP addresses and other configuration attributes from. Each name references a pool by name from either the pools section or an external pool.

StrongSwan default: '[]'

Type: null or (list of string)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.ppk_id

String identifying the Postquantum Preshared Key (PPK) to be used.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.ppk_required

Whether a Postquantum Preshared Key (PPK) is required for this connection.

StrongSwan default: ‘false’

Type: null or boolean

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.proposals

A proposal is a set of algorithms. For non−AEAD IKE proposals, this includes an encryption algorithm, an integrity algorithm, a pseudo−random function and a key exchange method. For AEAD proposals, instead of encryption and integrity algorithms, a combined mode algorithm is used.

With peers that support multiple IKEv2 key exchanges (RFC 9370), up to seven additional key exchanges may be negotiated. They can be configured by prefixing the algorithm keyword with **keX_** (where X is a number between 1 and 7).

For IKEv2, multiple algorithms of the same kind can be specified in a single proposal, from which one gets selected. For IKEv1, only one algorithm per kind is allowed per proposal, more algorithms get implicitly stripped. Use multiple proposals to offer different algorithm combinations with IKEv1.

Algorithm keywords get separated using dashes. The special value *default* forms a default proposal of supported algorithms considered safe, and is usually a good choice for interoperability.

StrongSwan default: ‘["default"]’

Type: null or (list of string)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.pull

If the default of yes is used, Mode Config works in pull mode, where the initiator actively requests a virtual IP. With no, push mode is used, where the responder pushes down a virtual IP to the initiating peer.

Push mode is currently supported for IKEv1, but not in IKEv2. It is used by a few implementations only, pull mode is recommended.

StrongSwan default: ‘true’

Type: null or boolean

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.rand_time

Time range from which to choose a random value to subtract from rekey/reauth times. To avoid having both peers initiating the rekey/reauth procedure simultaneously, a random time gets subtracted from the rekey/reauth times.

The default is equal to the configured **over_time**.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.reauth_time

Time to schedule IKE reauthentication. IKE reauthentication recreates the IKE/ISAKMP SA from scratch and re−evaluates the credentials. In asymmetric configurations (with EAP or configuration payloads) it might not be possible to actively reauthenticate as responder. The IKEv2 reauthentication lifetime negotiation can instruct the client to perform reauthentication.

Reauthentication is disabled by default. Enabling it can usually result in short connection interruptions, even when using make−before−break reauthentication, which is now the default. However, they are significantly shorter than when using the legacy break−before−make approach.

StrongSwan default: ‘"0s"’

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.rekey_time

IKE rekeying refreshes key material using a Diffie−Hellman exchange, but does not re−check associated credentials. It is supported in IKEv2 only, IKEv1 performs a reauthentication procedure instead.

With the default value IKE rekeying is scheduled every 4 hours, minus the configured rand_time. If a reauth_time is configured, rekey_time defaults to zero, disabling rekeying; explicitly set both to enforce rekeying and reauthentication.

StrongSwan default: ‘"4h"’

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.remote

Section for a remote authentication round. A remote authentication round defines the constraints how the peers must authenticate to use this connection. Multiple rounds may be defined to use IKEv2 RFC 4739 Multiple Authentication or IKEv1 XAuth.

Each round is defined in a section having ‘remote’ as prefix, and an optional unique suffix. To define a single authentication round, the suffix may be omitted.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.remote.<name>.auth

Authentication to expect from remote. See the **local** section's **auth** keyword description about the details of supported mechanisms.

Since 5.4.0, to require a trustchain public key strength for the remote side, specify the key type followed by the minimum strength in bits (for example 'ecdsa−384' or 'rsa−2048−ecdsa−256'). To limit the acceptable set of hashing algorithms for trustchain validation, append hash algorithms to pubkey or a key strength definition (for example 'pubkey−sha256−sha512', 'rsa−2048−sha256−sha384−sha512' or 'rsa−2048−sha256−ecdsa−256−sha256−sha384'). Unless disabled in *strongswan.conf*, or explicit IKEv2 signature constraints are configured (refer to the description of the **local** section's **auth** keyword for details), such key types and hash algorithms are also applied as constraints against IKEv2 signature authentication schemes used by the remote side. To require RSASSA−PSS signatures use 'rsa/pss' instead of 'pubkey' or 'rsa' as in e.g. 'rsa/pss−sha256'. If 'pubkey' or 'rsa' constraints are configured RSASSA−PSS signatures will only be accepted if enabled in 'strongswan.conf'(5).

To specify trust chain constraints for EAP−(T)TLS, append a colon to the EAP method, followed by the key type/size and hash algorithm as discussed above (e.g. 'eap−tls:ecdsa−384−sha384').

StrongSwan default: '"pubkey"'

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.remote.<name>.ca_id

Identity in CA certificate to accept for authentication. The specified identity must be contained in one (intermediate) CA of the remote peer trustchain, either as subject or as subjectAltName. This has the same effect as specifying 'cacerts' to force clients under a CA to specific connections; it does not require the CA certificate to be available locally, and can be received from the peer during the IKE exchange.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.remote.<name>.cacert

Section for a CA certificate to accept for authentication. Certificates in cacerts are transmitted as binary blobs, these sections offer more flexibility.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.remote.<name>.cacert.<name>.file

Absolute path to the certificate to load. Passed as−is to the daemon, so it must be readable by it.

Configure either this or **handle**, but not both, in one section.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.connections.<name>.remote.<name>.cacert.<name>.handle
Hex-encoded CKA_ID or handle of the certificate on a token or TPM, respectively.

Configure either this or **file**, but not both, in one section.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.connections.<name>.remote.<name>.cacert.<name>.module
Optional PKCS#11 module name.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.connections.<name>.remote.<name>.cacert.<name>.slot
Optional slot number of the token that stores the certificate.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.connections.<name>.remote.<name>.cacerts
List of CA certificates to accept for authentication. The certificates may use a relative path from the swanctl 'x509ca' directory or an absolute path.

StrongSwan default: '[]'

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.connections.<name>.remote.<name>.cert
Section for a certificate candidate to use for authentication. Certificates in certs are transmitted as binary blobs, these sections offer more flexibility.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.remote.<name>.cert.<name>.file
Absolute path to the certificate to load. Passed as−is to the daemon, so it must be readable by it.

Configure either this or **handle**, but not both, in one section.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.remote.<name>.cert.<name>.handle
Hex−encoded CKA_ID or handle of the certificate on a token or TPM, respectively.

Configure either this or **file**, but not both, in one section.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.remote.<name>.cert.<name>.module
Optional PKCS#11 module name.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.remote.<name>.cert.<name>.slot
Optional slot number of the token that stores the certificate.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.remote.<name>.cert_policy
List of certificate policy OIDs the peer’s certificate must have. OIDs are specified using the numerical dotted representation.

StrongSwan default: ‘[]’

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.remote.<name>.certs
List of certificates to accept for authentication. The certificates may use a relative path from the swanctl 'x509' directory or an absolute path.

StrongSwan default: '[]'

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.remote.<name>.eap_id
Identity to use as peer identity during EAP authentication. If set to '%any' the EAP−Identity method will be used to ask the client for an EAP identity.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.remote.<name>.groups
Authorization group memberships to require. The peer must prove membership to at least one of the specified groups. Group membership can be certified by different means, for example by appropriate Attribute Certificates or by an AAA backend involved in the authentication.

StrongSwan default: '[]'

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.remote.<name>.id
IKE identity to expect for authentication round. When using certificate authentication, the IKE identity must be contained in the certificate, either as subject or as subjectAltName.

StrongSwan default: '"%any"'

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.remote.<name>.pubkeys

List of raw public keys to accept for authentication. The public keys may use a relative path from the swanctl ‘pubkey’ directory or an absolute path.

StrongSwan default: ‘[]’

Type: null or (list of string)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.remote.<name>.revocation

Certificate revocation policy for CRL or OCSP revocation.

- A ‘strict’ revocation policy fails if no revocation information is available, i.e. the certificate is not known to be unrevoked.
- ‘ifuri’ fails only if a CRL/OCSP URI is available, but certificate revocation checking fails, i.e. there should be revocation information available, but it could not be obtained.
- The default revocation policy ‘relaxed’ fails only if a certificate is revoked, i.e. it is explicitly known that it is bad.

StrongSwan default: ‘"relaxed"’

Type: null or one of “strict”, “ifuri”, “relaxed”

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.remote.<name>.round

Optional numeric identifier by which authentication rounds are sorted. If not specified rounds are ordered by their position in the config file/vici message.

StrongSwan default: ‘0’

Type: null or signed integer

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.remote_addrs

Remote address(es) to use for IKE communication. Takes single IPv4/IPv6 addresses, DNS names, CIDR subnets or IP address ranges.

As initiator, the first non−range/non−subnet is used to initiate the connection to. As responder, the initiator source address must match at least to one of the specified addresses, subnets or ranges.

If FQDNs are assigned they are resolved every time a configuration lookup is done. If DNS resolution times out, the lookup is delayed for that time. To initiate a connection, at least one specific address or DNS name must be specified.

StrongSwan default: ‘[]’

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.connections.<name>.remote_port
Remote UDP port for IKE communication. If the default of port '500' is used, automatic IKE port floating to port '4500' is used to work around NAT issues.

StrongSwan default: '500'

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.connections.<name>.send_cert
Send certificate payloads when using certificate authentication.

- With the default of 'ifasked' the daemon sends certificate payloads only if certificate requests have been received.
- 'never' disables sending of certificate payloads altogether,
- 'always' causes certificate payloads to be sent unconditionally whenever certificate authentication is used.

StrongSwan default: '"ifasked"'

Type: null or one of "always", "never", "ifasked"

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.connections.<name>.send_certreq
Send certificate request payloads to offer trusted root CA certificates to the peer. Certificate requests help the peer to choose an appropriate certificate/private key for authentication and are enabled by default. Disabling certificate requests can be useful if too many trusted root CA certificates are installed, as each certificate request increases the size of the initial IKE packets.

StrongSwan default: 'true'

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.connections.<name>.unique
Connection uniqueness policy to enforce. To avoid multiple connections from the same user, a uniqueness policy can be enforced.

- The value 'never' does never enforce such a policy, even if a peer included INITIAL_CONTACT notification messages,
- whereas 'no' replaces existing connections for the same identity if a new one has the INITIAL_CONTACT notify.
- 'keep' rejects new connection attempts if the same user already has an active connection,

- ‘replace’ deletes any existing connection if a new one for the same user gets established.

To compare connections for uniqueness, the remote IKE identity is used. If EAP or XAuth authentication is involved, the EAP−Identity or XAuth username is used to enforce the uniqueness policy instead.

On initiators this setting specifies whether an INITIAL_CONTACT notify is sent during IKE_AUTH if no existing connection is found with the remote peer (determined by the identities of the first authentication round). Unless set to ‘never’ the client will send a notify.

StrongSwan default: ‘"no"’

Type: null or one of “no”, “never”, “keep”, “replace”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.version
IKE major version to use for connection.

- 1 uses IKEv1 aka ISAKMP,
- 2 uses IKEv2.
- A connection using the default of 0 accepts both IKEv1 and IKEv2 as responder, and initiates the connection actively with IKEv2.

StrongSwan default: ‘0’

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.connections.<name>.vips
List of virtual IPs to request in IKEv2 configuration payloads or IKEv1 Mode Config. The wildcard addresses ‘0.0.0.0’ and ‘::’ request an arbitrary address, specific addresses may be defined. The responder may return a different address, though, or none at all.

StrongSwan default: ‘[]’

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.pools
Section defining named pools. Named pools may be referenced by connections with the pools option to assign virtual IPs and other configuration attributes. Each pool must have a unique name (denoted <name> below).

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.pools.<name>.addrs
Addresses allocated in pool.

Subnet or range defining addresses allocated in pool. Accepts a single CIDR subnet defining the pool to allocate addresses from or an address range (<from>−<to>). If the address in CIDR notation is not the network ID of the subnet (e.g. 10.1.0.5/24 instead of 10.1.0.0/24), addresses below it won't be allocated to clients (they could e.g. be assigned manually to internal hosts like the VPN server itself). Pools must be unique and non−overlapping

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.pools.<name>.dhcp
Address or CIDR subnets

StrongSwan default: '[]'

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.pools.<name>.dns
Address or CIDR subnets

StrongSwan default: '[]'

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.pools.<name>.nbns
Address or CIDR subnets

StrongSwan default: '[]'

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.pools.<name>.netmask
Address or CIDR subnets

StrongSwan default: ‘[]’

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.pools.<name>.p_cscf
Address or CIDR subnets

StrongSwan default: ‘[]’

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.pools.<name>.server
Address or CIDR subnets

StrongSwan default: ‘[]’

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.pools.<name>.split_exclude
Address or CIDR subnets

StrongSwan default: ‘[]’

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.pools.<name>.split_include
Address or CIDR subnets

StrongSwan default: ‘[]’

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.pools.<name>.subnet
Address or CIDR subnets

StrongSwan default: '[]'

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.secrets.eap
EAP secret section for a specific secret. Each EAP secret is defined in a unique section having the 'eap' prefix. EAP secrets are used for XAuth authentication as well.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.secrets.eap.<name>.id
Identity the EAP/XAuth secret belongs to. Multiple unique identities may be specified, each having an 'id' prefix, if a secret is shared between multiple users.

Type: attribute set of (null or string)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.secrets.eap.<name>.secret
Value of the EAP/XAuth secret. It may either be an ASCII string, a hex encoded string if it has a 0x prefix or a Base64 encoded string if it has a 0s prefix in its value.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.secrets.ecdsa
Private key decryption passphrase for a key in the 'ecdsa' folder.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan−swanctl.swanctl.secrets.ecdsa.<name>.file
File name in the ‘ecdsa’ folder for which this passphrase should be used.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.secrets.ecdsa.<name>.secret
Value of decryption passphrase for ECDSA key.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.secrets.ike
IKE preshared secret section for a specific secret. Each IKE PSK is defined in a unique section having the ‘ike’ prefix.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.secrets.ike.<name>.id
IKE identity the IKE preshared secret belongs to. Multiple unique identities may be specified, each having an ‘id’ prefix, if a secret is shared between multiple peers.

Type: attribute set of (null or string)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.secrets.ike.<name>.secret
Value of the IKE preshared secret. It may either be an ASCII string, a hex encoded string if it has a 0x prefix or a Base64 encoded string if it has a 0s prefix in its value.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.secrets.ntlm

NTLM secret section for a specific secret. Each NTLM secret is defined in a unique section having the ‘ntlm’ prefix. NTLM secrets may only be used for EAP−MSCHAPv2 authentication.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.secrets.ntlm.<name>.id

Identity the NTLM secret belongs to. Multiple unique identities may be specified, each having an id prefix, if a secret is shared between multiple users.

Type: attribute set of (null or string)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.secrets.ntlm.<name>.secret

Value of the NTLM secret, which is the NT Hash of the actual secret, that is, MD4(UTF−16LE(secret)). The resulting 16−byte value may either be given as a hex encoded string with a 0x prefix or as a Base64 encoded string with a 0s prefix.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.secrets.pkcs12

PKCS#12 decryption passphrase for a container in the ‘pkcs12’ folder.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.secrets.pkcs12.<name>.file

File name in the ‘pkcs12’ folder for which this passphrase should be used.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.secrets.pkcs12.<name>.secret
Value of decryption passphrase for PKCS#12 container.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.secrets.pkcs8
Private key decryption passphrase for a key in the ‘pkcs8’ folder.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.secrets.pkcs8.<name>.file
File name in the ‘pkcs8’ folder for which this passphrase should be used.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.secrets.pkcs8.<name>.secret
Value of decryption passphrase for PKCS#8 key.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.secrets.ppk
Postquantum Preshared Key (PPK) section for a specific secret. Each PPK is defined in a unique section having the ‘ppk’ prefix.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.secrets.ppk.<name>.id
PPK identity the PPK belongs to. Multiple unique identities may be specified, each having an ‘id’ prefix, if a secret is shared between multiple peers.

Type: attribute set of (null or string)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.secrets.ppk.<name>.secret
Value of the PPK. It may either be an ASCII string, a hex encoded string if it has a '0x' prefix or a Base64 encoded string if it has a '0s' prefix in its value. Should have at least 256 bits of entropy for 128-bit security.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.secrets.private
Private key decryption passphrase for a key in the 'private' folder.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.secrets.private.<name>.file
File name in the private folder for which this passphrase should be used.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.secrets.private.<name>.secret
Value of decryption passphrase for private key.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.secrets.rsa
Private key decryption passphrase for a key in the 'rsa' folder.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan−swanctl.swanctl.secrets.rsa.<name>.file
File name in the ‘rsa’ folder for which this passphrase should be used.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.secrets.rsa.<name>.secret
Value of decryption passphrase for RSA key.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.secrets.token
Definition for a private key that’s stored on a token/smartcard/TPM.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.secrets.token.<name>.handle
Hex−encoded CKA_ID or handle of the private key on the token or TPM, respectively.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.secrets.token.<name>.module
Optional PKCS#11 module name to access the token.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan−swanctl/module.nix>

services.strongswan−swanctl.swanctl.secrets.token.<name>.pin
Optional PIN required to access the key on the token. If none is provided the user is prompted during an interactive ‘−−load−creds’ call.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.secrets.token.<name>.slot
Optional slot number to access the token.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.secrets.xauth
EAP secret section for a specific secret. Each EAP secret is defined in a unique section having the 'eap' prefix. EAP secrets are used for XAuth authentication as well.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.secrets.xauth.<name>.id
Identity the EAP/XAuth secret belongs to. Multiple unique identities may be specified, each having an 'id' prefix, if a secret is shared between multiple users.

Type: attribute set of (null or string)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.strongswan-swanctl.swanctl.secrets.xauth.<name>.secret
Value of the EAP/XAuth secret. It may either be an ASCII string, a hex encoded string if it has a 0x prefix or a Base64 encoded string if it has a 0s prefix in its value.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/strongswan-swanctl/module.nix>

services.stubby.enable
Whether to enable Stubby DNS resolver.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/stubby.nix>

services.stubby.logLevel
Log verbosity (syslog keyword or level).

Type: null or one of “alert”, “crit”, “debug”, “emerg”, “error”, “info”, “notice”, “warning”, 1, 2, 7, 0, 3, 6, 5, 4

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/stubby.nix>

services.stubby.settings
Content of the Stubby configuration file. All Stubby settings may be set or queried here. The default settings are available at ‘pkgs.stubby.passthru.settingsExample’. See **https://dnsprivacy.org/wiki/display/DP/Configuring+Stubby**. A list of the public recursive servers can be found here: **https://dnsprivacy.org/wiki/display/DP/DNS+Privacy+Test+Servers**.

Type: attribute set of (YAML 1.1 value)

Default:

```
{ }
```

Example:

```
pkgs.stubby.passthru.settingsExample // {
  upstream_recursive_servers = [{
    address_data = "158.64.1.29";
    tls_auth_name = "kaitain.restena.lu";
    tls_pubkey_pinset = [{
      digest = "sha256";
      value = "7ftvIkA+UeN/ktVkovd/7rPZ6mbkhVI7/8HnFJIiLa4=";
    }];
  }];
};
```

Declared by:
<nixpkgs/nixos/modules/services/networking/stubby.nix>

services.stunnel.enable
Whether to enable the stunnel TLS tunneling service.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/stunnel.nix>

services.stunnel.enableInsecureSSLv3
Enable support for the insecure SSLv3 protocol.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/stunnel.nix>

services.stunnel.clients
Define the client configurations.

By default, verifyChain and OCSPaia are enabled and CAFile is set to ‘security.pki.caBundle’.

See “SERVICE−LEVEL OPTIONS” in **stunnel**(8).

Type: attribute set of attribute set of (null or boolean or signed integer or string)

Default:

```
{ }
```

Example:

```
{
  foobar = {
    accept = "0.0.0.0:8080";
    connect = "nixos.org:443";
    verifyChain = false;
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/stunnel.nix>

services.stunnel.fipsMode
Enable FIPS 140−2 mode required for compliance.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/stunnel.nix>

services.stunnel.group
The group under which stunnel runs.

Type: null or string

Default:

```
"nogroup"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/stunnel.nix>

services.stunnel.logLevel
Verbosity of stunnel output.

Type: one of “emerg”, “alert”, “crit”, “err”, “warning”, “notice”, “info”, “debug”

Default:

```
"info"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/stunnel.nix>

services.stunnel.servers

Define the server configurations.

See “SERVICE−LEVEL OPTIONS” in **stunnel**(8).

Type: attribute set of attribute set of (null or boolean or signed integer or string)

Default:

```
{ }
```

Example:

```
{
  fancyWebserver = {
    accept = 443;
    cert = "/path/to/pem/file";
    connect = 8080;
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/stunnel.nix>

services.stunnel.user

The user under which stunnel runs.

Type: null or string

Default:

```
"nobody"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/stunnel.nix>

services.subsonic.enable

Whether to enable Subsonic daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/subsonic.nix>

services.subsonic.contextPath

The context path, i.e., the last part of the Subsonic URL. Typically ‘/’ or ‘/subsonic’. Default ‘/’

Type: absolute path

Default:

```
"/"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/subsonic.nix>

services.subsonic.defaultMusicFolder

Configure Subsonic to use this folder for music. This option only has effect the first time Subsonic is started.

Type: absolute path

Default:

```
"/var/music"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/subsonic.nix>

services.subsonic.defaultPlaylistFolder

Configure Subsonic to use this folder for playlists. This option only has effect the first time Subsonic is started.

Type: absolute path

Default:

```
"/var/playlists"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/subsonic.nix>

services.subsonic.defaultPodcastFolder

Configure Subsonic to use this folder for Podcasts. This option only has effect the first time Subsonic is started.

Type: absolute path

Default:

```
"/var/music/Podcast"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/subsonic.nix>

services.subsonic.home

The directory where Subsonic will create files. Make sure it is writable.

Type: absolute path

Default:

```
"/var/lib/subsonic"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/subsonic.nix>

services.subsonic.httpsPort

The port on which Subsonic will listen for incoming HTTPS traffic. Set to 0 to disable.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

Declared by:

<nixpkgs/nixos/modules/services/misc/subsonic.nix>

services.subsonic.listenAddress

The host name or IP address on which to bind Subsonic. Only relevant if you have multiple network interfaces and want to make Subsonic available on only one of them. The default value will bind Subsonic to all available network interfaces.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/subsonic.nix>

services.subsonic.maxMemory
The memory limit (max Java heap size) in megabytes. Default: 100

Type: signed integer

Default:

```
100
```

Declared by:
<nixpkgs/nixos/modules/services/misc/subsonic.nix>

services.subsonic.port
The port on which Subsonic will listen for incoming HTTP traffic. Set to 0 to disable.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
4040
```

Declared by:
<nixpkgs/nixos/modules/services/misc/subsonic.nix>

services.subsonic.transcoders
List of paths to transcoder executables that should be accessible from Subsonic. Symlinks will be created to each executable inside ${config.services.subsonic.home}/transcoders.

Type: list of absolute path

Default:

```
[ "${pkgs.ffmpeg.bin}/bin/ffmpeg" ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/subsonic.nix>

services.sundtek.enable
Whether to enable Sundtek driver.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/sundtek.nix>

services.sunshine.enable
Whether to enable Sunshine, a self−hosted game stream host for Moonlight.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sunshine.nix>

services.sunshine.package
The sunshine package to use.

Type: package

Default:

```
pkgs.sunshine
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sunshine.nix>

services.sunshine.applications
Configuration for applications to be exposed to Moonlight. If this is set, no configuration is possible from the web UI, and must be by the ‘settings’ option.

Type: submodule

Default:

```
{ }
```

Example:

```
{
  env = {
    PATH = "$(PATH):$(HOME)/.local/bin";
  };
  apps = [
    {
      name = "1440p Desktop";
      prep-cmd = [
        {
          do = "${pkgs.kdePackages.libkscreen}/bin/kscreen-doctor  \
output.DP-4.mode.2560x1440@144";
          undo = "${pkgs.kdePackages.libkscreen}/bin/kscreen-docto \
r output.DP-4.mode.3440x1440@144";
        }
      ];
      exclude-global-prep-cmd = "false";
      auto-detach = "true";
    }
  ];
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sunshine.nix>

services.sunshine.applications.apps
Applications to be exposed to Moonlight.

Type: list of (attribute set)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sunshine.nix>

services.sunshine.applications.env
Environment variables to be set for the applications.

Type: attribute set of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sunshine.nix>

services.sunshine.autoStart
Whether sunshine should be started automatically.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sunshine.nix>

services.sunshine.capSysAdmin
Whether to give the Sunshine binary CAP_SYS_ADMIN, required for DRM/KMS screen capture.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sunshine.nix>

services.sunshine.openFirewall
Whether to automatically open ports in the firewall.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sunshine.nix>

services.sunshine.settings
Settings to be rendered into the configuration file. If this is set, no configuration is possible from the web UI.

See **https://docs.lizardbyte.dev/projects/sunshine/latest/md_docs_2configuration.html** for syntax.

Type: open submodule of attribute set of (atom (null, bool, int, float or string))

Default:

```
{ }
```

Example:

```
{
  sunshine_name = "nixos";
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sunshine.nix>

services.sunshine.settings.port
Base port – others used are offset from this one, see **https://docs.lizardbyte.dev/projects/sunshine/latest/md_docs_2configuration.html#port** for details.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
47989
```

Declared by:
<nixpkgs/nixos/modules/services/networking/sunshine.nix>

services.supergfxd.enable
Whether to enable the supergfxd service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/supergfxd.nix>

services.supergfxd.settings
The content of /etc/supergfxd.conf. See **https://gitlab.com/asus-linux/supergfxctl/#config-options-etcsupergfxdconf**.

Type: null or JSON value

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/supergfxd.nix>

services.supybot.enable
Enable Supybot, an IRC bot (also known as Limnoria).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/supybot.nix>

services.supybot.configFile
Path to initial supybot config file. This can be generated by running supybot-wizard.

Note: all paths should include the full path to the stateDir directory (backup conf data logs logs/plugins plugins tmp web).

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/networking/supybot.nix>

services.supybot.extraPackages

Extra Python packages available to supybot plugins. The value must be a function which receives the attrset defined in *python3Packages* as the sole argument.

Type: function that evaluates to a(n) list of package

Default:

```
p: []
```

Example:

```
p: [ p.lxml p.requests ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/supybot.nix>

services.supybot.plugins

Attribute set of additional plugins that will be symlinked to the *plugin* subdirectory.

Please note that you still need to add the plugins to the config file (or with '!load') using their attribute name.

Type: attribute set of absolute path

Default:

```
{ }
```

Example:

```
let
  plugins = pkgs.fetchzip {
    url = "https://github.com/ProgVal/Supybot-plugins/archive/57c2 \
450c.zip";
    sha256 = "077snf84ibnva3sbpzdfpfma6hcdw7dflwnhg6pw7mgnf0nd84qd" \
;
  };
in
{
  Wikipedia = "${plugins}/Wikipedia";
  Decide = ./supy-decide;
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/supybot.nix>

services.supybot.stateDir

The root directory, logs and plugins are stored here

Type: absolute path

Default:

```
/var/lib/supybot
```

Declared by:

<nixpkgs/nixos/modules/services/networking/supybot.nix>

services.suricata.enable

Whether to enable Suricata.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.enabledSources

List of sources that should be enabled. Currently sources which require a secret−code are not supported.

Type: list of string

Default:

```
[
  "abuse.ch/sslbl-blacklist"
  "abuse.ch/sslbl-c2"
  "abuse.ch/sslbl-ja3"
  "et/open"
  "etnetera/aggressive"
  "stamus/lateral"
  "oisf/trafficid"
  "tgreen/hunting"
  "pawpatrules"
  "ptrules/open"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.package

The suricata package to use.

Type: package

Default:

```
pkgs.suricata
```

Declared by:

<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.disabledRules

List of rules that should be disabled.

Type: list of string

Default:

```
[
  "2270000"
  "2270001"
  "2270002"
  "2270003"
  "2270004"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings

Suricata settings

Type: open submodule of (YAML 1.1 value)

Example:

```
vars.address-groups.HOME_NET = "192.168.178.0/24";
outputs = [
  {
    fast = {
      enabled = true;
      filename = "fast.log";
      append = "yes";
    };
  }
  {
    eve-log = {
      enabled = true;
      filetype = "regular";
      filename = "eve.json";
      community-id = true;
      types = [
        {
          alert.tagged-packets = "yes";
        }
      ];
    };
  }
];
af-packet = [
  {
    interface = "eth0";
    cluster-id = "99";
    cluster-type = "cluster_flow";
    defrag = "yes";
  }
  {
    interface = "default";
  }
];
af-xdp = [
  {
    interface = "eth1";
  }
];
dpdk.interfaces = [
  {
    interface = "eth2";
  }
];
pcap = [
  {
    interface = "eth3";
  }
```

```
];
app-layer.protocols = {
  telnet.enabled = "yes";
  dnp3.enabled = "yes";
  modbus.enabled = "yes";
};
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.af-packet
Linux high speed capture support.

Type: null or (list of (open submodule of (YAML 1.1 value)))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.af-packet.*.interface
af-packet capture interface, see **upstream docs reagrding tuning**.

Type: string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.af-xdp
Linux high speed af-xdp capture support, see **docs/capture-hardware/af-xdp**.

Type: null or (list of (open submodule of (YAML 1.1 value)))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.af-xdp.*.interface
af-xdp capture interface, see **upstream docs**.

Type: string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.app-layer
app-layer configuration, see **upstream docs**.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.app−layer.error−policy
The error−policy setting applies to all app−layer parsers. Values can be “drop−flow”, “pass−flow”, “bypass”, “drop−packet”, “pass−packet”, “reject” or “ignore” (the default).

Type: one of “drop−flow”, “pass−flow”, “bypass”, “drop−packet”, “pass−packet”, “reject”, “ignore”

Default:

```
"ignore"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.app−layer.protocols
app−layer protocols, see **upstream docs**.

Type: null or (attribute set of (open submodule of (YAML 1.1 value)))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.app−layer.protocols.<name>.enabled
The option “enabled” takes 3 values − “yes”, “no”, “detection−only”. “yes” enables both detection and the parser, “no” disables both, and “detection−only” enables protocol detection only (parser disabled).

Type: one of “yes”, “no”, “detection−only”

Default:

```
"no"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.classification−file
Suricata classification configuration file.

Type: string

Default:

```
"/var/lib/suricata/rules/classification.config"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.default−log−dir
The default logging directory. Any log or output file will be placed here if it’s not specified with a full path name. This can be overridden with the −l command line parameter.

Type: string

Default:

```
"/var/log/suricata"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.default−rule−path

Path in which suricata−update managed rules are stored by default.

Type: absolute path

Default:

```
"/var/lib/suricata/rules"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.dpdk

Data Plane Development Kit is a framework for fast packet processing in data plane applications running on a wide variety of CPU architectures. DPDK's Environment Abstraction Layer (EAL) provides a generic interface to low−level resources. It is a unique way how DPDK libraries access NICs. EAL creates an API for an application to access NIC resources from the userspace level. In DPDK, packets are not retrieved via interrupt handling. Instead, the application polls the NIC for newly received packets.

DPDK allows the user space application to directly access memory where the NIC stores the packets. As a result, neither DPDK nor the application copies the packets for the inspection. The application directly processes packets via passed packet descriptors. See **docs/capture−hardware/dpdk** and **docs/configuration/suricata−yaml.html#data−plane−development−kit−dpdk**.

Type: null or (submodule)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.dpdk.eal−params.proc−type

dpdk eal−params.proc−type, see **data plane development kit docs**.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.dpdk.interfaces

See upstream docs: **docs/capture−hardware/dpdk** and **docs/configuration/suricata−yaml.html#data−plane−development−kit−dpdk**.

Type: null or (list of (open submodule of (YAML 1.1 value)))

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.dpdk.interfaces.*.interface

See upstream docs: **docs/capture−hardware/dpdk** and **docs/configuration/suricata−yaml.html#data−plane−development−kit−dpdk**.

Type: string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.exception−policy
Define a common behavior for all exception policies. In IPS mode, the default is drop−flow. For cases when that's not possible, the engine will fall to drop−packet. To fallback to old behavior (setting each of them individually, or ignoring all), set this to ignore. All values available for exception policies can be used, and there is one extra option: auto − which means drop−flow or drop−packet (as explained above) in IPS mode, and ignore in IDS mode. Exception policy values are: drop−packet, drop−flow, reject, bypass, pass−packet, pass−flow, ignore (disable).

Type: one of "auto", "drop−packet", "drop−flow", "reject", "bypass", "pass−packet", "pass−flow", "ignore"

Default:

```
"auto"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.host−mode
If the Suricata box is a router for the sniffed networks, set it to 'router'. If it is a pure sniffing setup, set it to 'sniffer−only'. If set to auto, the variable is internally switched to 'router' in IPS mode and 'sniffer−only' in IDS mode. This feature is currently only used by the reject* keywords.

Type: one of "router", "sniffer−only", "auto"

Default:

```
"auto"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.includes
Files to include in the suricata configuration. See **docs/configuration/suricata−yaml** for available options.

Type: null or (list of absolute path)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.logging.default−log−format
The default output format. Optional parameter, should default to something reasonable if not provided. Can be overridden in an output section. You can leave this out to get the default.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.logging.default−log−level

The default log level: can be overridden in an output section. Note that debug level logging will only be emitted if Suricata was compiled with the −−enable−debug configure option.

Type: one of “error”, “warning”, “notice”, “info”, “perf”, “config”, “debug”

Default:

```
"notice"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.logging.default−output−filter

A regex to filter output. Can be overridden in an output section. Defaults to empty (no filter).

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.logging.outputs.console.enable

Whether to enable logging to console.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.logging.outputs.file.enable

Whether to enable logging to file.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.logging.outputs.file.filename

Filename of the logfile.

Type: string

Default:

```
"suricata.log"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.logging.outputs.file.format
Logformat for logs written to the logfile.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.logging.outputs.file.level
Loglevel for logs written to the logfile.

Type: one of “error”, “warning”, “notice”, “info”, “perf”, “config”, “debug”

Default:

```
"info"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.logging.outputs.file.type
Type of logfile.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.logging.outputs.syslog.enable
Whether to enable logging to syslog.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.logging.outputs.syslog.facility
Facility to log to.

Type: string

Default:

```
"local5"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.logging.outputs.syslog.format

Logformat for logs send to syslog.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.logging.outputs.syslog.type

Type of logs send to syslog.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.logging.stacktrace−on−signal

Requires libunwind to be available when Suricata is configured and built. If a signal unexpectedly terminates Suricata, displays a brief diagnostic message with the offending stacktrace if enabled.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.outputs

Configure the type of alert (and other) logging you would like.

Valid values for <NAME> are e. g. ‘fast’, ‘eve−log’, ‘syslog’, ‘file−store’, …

- ‘fast’: a line based alerts log similar to Snort’s fast.log
- ‘eve−log’: Extensible Event Format (nicknamed EVE) event log in JSON format

For more details regarding the configuration, checkout the shipped suricata.yaml

```
nix−shell −p suricata yq coreutils−full −−command 'yq < $(dirn \
ame $(which suricata))/../etc/suricata/suricata.yaml'
```

and the **suricata documentation**.

Type: null or (list of attribute set of (open submodule of (YAML 1.1 value)))

Default:

```
null
```

Example:

```
[
  {
    fast = {
      enabled = "yes";
      filename = "fast.log";
      append = "yes";
    };
  }
```

```
{
  eve-log = {
    enabled = "yes";
    filetype = "regular";
    filename = "eve.json";
    community-id = true;
    types = [
      {
        alert.tagged-packets = "yes";
      }
    ];
  };
}
];
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.outputs.*.<name>.enabled
Whether to enable <NAME>.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.pcap
Cross platform libpcap capture support.

Type: null or (list of (open submodule of (YAML 1.1 value)))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.pcap.*.interface
pcap capture interface, see **upstream docs**.

Type: string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.pcap-file.checksum-checks
Possible values are:

- yes: checksum validation is forced
- no: checksum validation is disabled
- auto: Suricata uses a statistical approach to detect when checksum off-loading is used. (default) Warning: ‘checksum-validation’ must be set to yes to have checksum tested.

Type: one of “yes”, “no”, “auto”

Default:

```
"auto"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.plugins
Plugins – Experimental – specify the filename for each plugin shared object.

Type: null or (list of absolute path)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.reference−config−file
Suricata reference configuration file.

Type: string

Default:

```
"\${config.services.suricata.package}/etc/suricata/reference.confi \
g"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.rule−files
Files to load suricata−update managed rules, relative to ‘default−rule−path’.

Type: list of string

Default:

```
[
  "suricata.rules"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.run−as.group
Run Suricata with a specific group−id.

Type: string

Default:

```
"suricata"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.run−as.user
Run Suricata with a specific user−id.

Type: string

Default:

```
"suricata"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.stats
Engine statistics such as packet counters, memory use counters and others can be logged in several ways. A separate text log ‘stats.log’ and an EVE record type ‘stats’ are enabled by default.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.stats.enable
Whether to enable suricata global stats.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.stats.decoder−events
Add decode events to stats

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.stats.decoder−events−prefix
Decoder event prefix in stats. Has been ‘decoder’ before, but that leads to missing events in the eve.stats records.

Type: string

Default:

```
"decoder.event"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.stats.interval
The interval field (in seconds) controls the interval at which stats are updated in the log.

Type: string

Default:

```
"8"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.stats.stream−events
Add stream events as stats.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.threshold−file
Suricata threshold configuration file.

Type: string

Default:

```
"\${config.services.suricata.package}/etc/suricata/threshold.confi \
g"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.unix−command
Unix command socket that can be used to pass commands to Suricata. An external tool can then connect to get information from Suricata or trigger some modifications of the engine. Set enabled to yes to activate the feature. In auto mode, the feature will only be activated in live capture mode. You can use the filename variable to set the file name of the socket.

Type: null or (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.unix−command.enabled
Enable unix−command socket.

Type: boolean or value “auto” (singular enum)

Default:

```
"auto"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.unix−command.filename
Filename for unix−command socket.

Type: absolute path

Default:

```
"/run/suricata/suricata−command.socket"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.vars

Variables to be used within the suricata rules.

Type: null or (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.vars.address−groups

The address group variables for suricata, if not defined the default value of suricata (see example) will be used. Your settings will extend the predefined values in example.

Type: submodule

Default:

```
{ }
```

Example:

```
{
  AIM_SERVERS = "$EXTERNAL_NET";
  DC_SERVERS = "$HOME_NET";
  DNP3_CLIENT = "$HOME_NET";
  DNP3_SERVER = "$HOME_NET";
  DNS_SERVERS = "$HOME_NET";
  ENIP_CLIENT = "$HOME_NET";
  ENIP_SERVER = "$HOME_NET";
  EXTERNAL_NET = "!$HOME_NET";
  HOME_NET = "[192.168.0.0/16,10.0.0.0/8,172.16.0.0/12]";
  HTTP_SERVERS = "$HOME_NET";
  MODBUS_CLIENT = "$HOME_NET";
  MODBUS_SERVER = "$HOME_NET";
  SMTP_SERVERS = "$HOME_NET";
  SQL_SERVERS = "$HOME_NET";
  TELNET_SERVERS = "$HOME_NET";
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.vars.address−groups.AIM_SERVERS

AIM_SERVERS variable.

Type: unspecified value

Default:

```
"$EXTERNAL_NET"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.vars.address−groups.DC_SERVERS

DC_SERVERS variable.

Type: unspecified value

Default:

```
"$HOME_NET"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.vars.address−groups.DNP3_CLIENT
DNP3_CLIENT variable.

Type: unspecified value

Default:

```
"$HOME_NET"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.vars.address−groups.DNP3_SERVER
DNP3_SERVER variable.

Type: unspecified value

Default:

```
"$HOME_NET"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.vars.address−groups.DNS_SERVERS
DNS_SERVERS variable.

Type: unspecified value

Default:

```
"$HOME_NET"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.vars.address−groups.ENIP_CLIENT
ENIP_CLIENT variable.

Type: unspecified value

Default:

```
"$HOME_NET"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.vars.address−groups.ENIP_SERVER
ENIP_SERVER variable.

Type: unspecified value

Default:

```
"$HOME_NET"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.vars.address−groups.EXTERNAL_NET
EXTERNAL_NET variable.

Type: unspecified value

Default:

```
"!$HOME_NET"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.vars.address−groups.HOME_NET
HOME_NET variable.

Type: unspecified value

Default:

```
"[192.168.0.0/16,10.0.0.0/8,172.16.0.0/12]"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.vars.address−groups.HTTP_SERVERS
HTTP_SERVERS variable.

Type: unspecified value

Default:

```
"$HOME_NET"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.vars.address−groups.MODBUS_CLIENT
MODBUS_CLIENT variable

Type: unspecified value

Default:

```
"$HOME_NET"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.vars.address−groups.MODBUS_SERVER
MODBUS_SERVER variable.

Type: unspecified value

Default:

```
"$HOME_NET"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.vars.address−groups.SMTP_SERVERS
SMTP_SERVERS variable.

Type: unspecified value

Default:

```
"$HOME_NET"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.vars.address−groups.SQL_SERVERS

SQL_SERVERS variable.

Type: unspecified value

Default:

```
"$HOME_NET"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.vars.address−groups.TELNET_SERVERS

TELNET_SERVERS variable.

Type: unspecified value

Default:

```
"$HOME_NET"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.suricata.settings.vars.port−groups

The port group variables for suricata.

Type: null or (attribute set of string)

Default:

```
{
  DNP3_PORTS = "20000";
  FILE_DATA_PORTS = "[$HTTP_PORTS,110,143]";
  FTP_PORTS = "21";
  GENEVE_PORTS = "6081";
  HTTP_PORTS = "80";
  MODBUS_PORTS = "502";
  ORACLE_PORTS = "1521";
  SHELLCODE_PORTS = "!80";
  SSH_PORTS = "22";
  TEREDO_PORTS = "3544";
  VXLAN_PORTS = "4789";
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/suricata/default.nix>

services.surrealdb.enable

Whether to enable SurrealDB, a scalable, distributed, collaborative, document−graph database, for the realtime web.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/databases/surrealdb.nix>

services.surrealdb.package

The surrealdb package to use.

Type: package

Default:

```
pkgs.surrealdb
```

Declared by:

<nixpkgs/nixos/modules/services/databases/surrealdb.nix>

services.surrealdb.dbPath

The path that surrealdb will write data to. Use null for in−memory. Can be one of “memory”, “rocksdb://:path”, “surrealkv://:path”, “tikv://:addr”, “fdb://:addr”.

Type: string

Default:

```
"rocksdb:///var/lib/surrealdb/"
```

Example:

```
"memory"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/surrealdb.nix>

services.surrealdb.extraFlags

Specify a list of additional command line flags.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--allow-all"
  "--user"
  "root"
  "--pass"
  "root"
]
```

Declared by:

<nixpkgs/nixos/modules/services/databases/surrealdb.nix>

services.surrealdb.host

The host that surrealdb will connect to.

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/surrealdb.nix>

services.surrealdb.port

The port that surrealdb will connect to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8000
```

Example:

```
8000
```

Declared by:

<nixpkgs/nixos/modules/services/databases/surrealdb.nix>

services.suwayomi−server.enable

Whether to enable Suwayomi, a free and open source manga reader server that runs extensions built for Tachiyomi.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/suwayomi−server.nix>

services.suwayomi−server.package

The suwayomi−server package to use.

Type: package

Default:

```
pkgs.suwayomi−server
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/suwayomi−server.nix>

services.suwayomi−server.dataDir

The path to the data directory in which Suwayomi−Server will download scans.

Type: absolute path

Default:

```
"/var/lib/suwayomi−server"
```

Example:

```
"/var/data/mangas"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/suwayomi−server.nix>

services.suwayomi−server.group

Group under which Suwayomi−Server runs.

Type: string

Default:

```
"suwayomi"
```

Example:

```
"medias"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/suwayomi−server.nix>

services.suwayomi−server.openFirewall
Whether to open the firewall for the port in **services.suwayomi−server.settings.server.port**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/suwayomi−server.nix>

services.suwayomi−server.settings
Configuration to write to *server.conf*. See **https://github.com/Suwayomi/Suwayomi−Server/wiki/Configuring−Suwayomi−Server** for more information.

Type: open submodule of (HOCON value)

Default:

```
{ }
```

Example:

```
{
  server = {
    socksProxyEnabled = true;
    socksProxyHost = "yourproxyhost.com";
    socksProxyPort = "8080";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/suwayomi−server.nix>

services.suwayomi−server.settings.server.basicAuthEnabled
Whether to enable basic access authentication for Suwayomi−Server. Enabling this option is useful when hosting on a public network/the Internet .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/suwayomi−server.nix>

services.suwayomi−server.settings.server.basicAuthPasswordFile
The password file containing the value that you have to provide when authenticating.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/secrets/suwayomi−server−password"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/suwayomi−server.nix>

services.suwayomi−server.settings.server.basicAuthUsername
The username value that you have to provide when authenticating.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/suwayomi−server.nix>

services.suwayomi−server.settings.server.downloadAsCbz
Download chapters as '.cbz' files.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/suwayomi−server.nix>

services.suwayomi−server.settings.server.extensionRepos
URL of repositories from which the extensions can be installed.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "https://raw.githubusercontent.com/MY_ACCOUNT/MY_REPO/repo/index. \
min.json"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/suwayomi−server.nix>

services.suwayomi−server.settings.server.ip
The ip that Suwayomi will bind to.

Type: string

Default:

```
"0.0.0.0"
```

Example:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/suwayomi−server.nix>

services.suwayomi−server.settings.server.localSourcePath
Path to the local source folder.

Type: absolute path

Default:

```
suwayomi−server.dataDir
```

Example:

```
"/var/data/local_mangas"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/suwayomi−server.nix>

services.suwayomi−server.settings.server.port
The port that Suwayomi will listen to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Example:

```
4567
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/suwayomi−server.nix>

services.suwayomi−server.settings.server.systemTrayEnabled
Whether to enable a system tray icon, if possible.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/suwayomi−server.nix>

services.suwayomi−server.user
User account under which Suwayomi−Server runs.

Type: string

Default:

```
"suwayomi"
```

Example:

```
"root"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/suwayomi−server.nix>

services.svnserve.enable
Whether to enable svnserve to serve Subversion repositories through the SVN protocol.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/svnserve.nix>

services.svnserve.svnBaseDir
Base directory from which Subversion repositories are accessed.

Type: string

Default:

```
"/repos"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/svnserve.nix>

services.swapspace.enable
Whether to enable Swapspace, a dynamic swap space manager.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/system/swapspace.nix>

services.swapspace.package
The swapspace package to use.

Type: package

Default:

```
pkgs.swapspace
```

Declared by:
<nixpkgs/nixos/modules/services/system/swapspace.nix>

services.swapspace.extraArgs
Any extra arguments to pass to swapspace

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-P"
  "-v"
]
```

Declared by:
<nixpkgs/nixos/modules/services/system/swapspace.nix>

services.swapspace.installWrapper
This will add swapspace wrapped with the generated config, to environment.systemPackages

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/system/swapspace.nix>

services.swapspace.settings
Config file for swapspace. See the options here: **https://github.com/Tookmund/Swapspace/blob/master/swapspace.conf**

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/system/swapspace.nix>

services.swapspace.settings.buffer_elasticity
Percentage of buffer space considered to be “free”

Type: integer between 0 and 100 (both inclusive)

Default:

```
30
```

Declared by:
<nixpkgs/nixos/modules/services/system/swapspace.nix>

services.swapspace.settings.cache_elasticity
Percentage of cache space considered to be “free”

Type: integer between 0 and 100 (both inclusive)

Default:

```
80
```

Declared by:
<nixpkgs/nixos/modules/services/system/swapspace.nix>

services.swapspace.settings.cooldown
Duration (roughly in seconds) of the moratorium on swap allocation that is instated if disk space runs out, or the cooldown time after a new swapfile is successfully allocated before swapspace will consider deallocating swap space again. The default cooldown period is about 10 minutes.

Type: unsigned integer, meaning >=0

Default:

```
600
```

Declared by:
<nixpkgs/nixos/modules/services/system/swapspace.nix>

services.swapspace.settings.freetarget
Percentage of free space swapspace should aim for when adding swapspace. This should fall somewhere between lower_freelimit and upper_freelimit.

Type: integer between 2 and 99 (both inclusive)

Default:

```
30
```

Declared by:
<nixpkgs/nixos/modules/services/system/swapspace.nix>

services.swapspace.settings.lower_freelimit
Lower free−space threshold: if the percentage of free space drops below this number, additional swapspace is allocated

Type: integer between 0 and 99 (both inclusive)

Default:

```
20
```

Declared by:
<nixpkgs/nixos/modules/services/system/swapspace.nix>

services.swapspace.settings.max_swapsize
Greatest allowed size for individual swapfiles

Type: string

Default:

```
"2t"
```

Declared by:
<nixpkgs/nixos/modules/services/system/swapspace.nix>

services.swapspace.settings.min_swapsize
Smallest allowed size for individual swapfiles

Type: string

Default:

```
"4m"
```

Declared by:
<nixpkgs/nixos/modules/services/system/swapspace.nix>

services.swapspace.settings.swappath
Location where swapspace may create and delete swapfiles

Type: string

Default:

```
"/var/lib/swapspace"
```

Declared by:
<nixpkgs/nixos/modules/services/system/swapspace.nix>

services.swapspace.settings.upper_freelimit
Upper free−space threshold: if the percentage of free space exceeds this number, swapspace will attempt to free up swapspace

Type: integer between 0 and 100 (both inclusive)

Default:

```
60
```

Declared by:
<nixpkgs/nixos/modules/services/system/swapspace.nix>

services.switcherooControl.enable
Whether to enable switcheroo−control, a D−Bus service to check the availability of dual−GPU.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/hardware/video/switcheroo−control.nix>

services.switcherooControl.package

The switcheroo−control package to use.

Type: package

Default:

```
pkgs.switcheroo-control
```

Declared by:

<nixpkgs/nixos/modules/hardware/video/switcheroo−control.nix>

services.sympa.enable

Whether to enable Sympa mailing list manager.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/mail/sympa.nix>

services.sympa.database.createLocally

Whether to create a local database automatically.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/mail/sympa.nix>

services.sympa.database.host

Database host address.

For MySQL, use ‘localhost’ to connect using Unix domain socket.

For PostgreSQL, use path to directory (e.g. */run/postgresql*) to connect using Unix domain socket located in this directory.

Use ‘null’ to fall back on Sympa default, or when using **services.sympa.database.createLocally**.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/mail/sympa.nix>

services.sympa.database.name

Database name. When using SQLite this must be an absolute path to the database file.

Type: string

Default:

```
if database.type == "SQLite" then "/var/lib/sympa/sympa.sqlite" els \
e "sympa"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/sympa.nix>

services.sympa.database.passwordFile
A file containing the password for **services.sympa.database.name**.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/sympa-dbpassword"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/sympa.nix>

services.sympa.database.port
Database port. Use ‘null’ for default port.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/mail/sympa.nix>

services.sympa.database.type
Database engine to use.

Type: one of “SQLite”, “PostgreSQL”, “MySQL”

Default:

```
"SQLite"
```

Example:

```
"MySQL"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/sympa.nix>

services.sympa.database.user
Database user. The system user name is used as a default.

Type: null or string

Default:

```
"sympa"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/sympa.nix>

services.sympa.domains
Email domains handled by this instance. There have to be MX records for keys of this attribute set.

Type: attribute set of (submodule)

Example:

```
{
  "lists.example.org" = {
    webHost = "lists.example.org";
    webLocation = "/";
```

```
    };
    "sympa.example.com" = {
      webHost = "example.com";
      webLocation = "/sympa";
    };
  }
```

Declared by:
<nixpkgs/nixos/modules/services/mail/sympa.nix>

services.sympa.domains.<name>.settings
The *robot.conf* configuration file as key value set. See **https://sympa-community.github.io/gpldoc/man/sympa.conf.5.html** for list of configuration parameters.

Type: attribute set of (string or signed integer or boolean)

Default:

```
{ }
```

Example:

```
{
  default_max_list_members = 3;
}
```

Declared by:
<nixpkgs/nixos/modules/services/mail/sympa.nix>

services.sympa.domains.<name>.webHost
Domain part of the web interface URL (no web interface for this domain if 'null'). DNS record of type A (or AAAA or CNAME) has to exist with this value.

Type: null or string

Default:

```
null
```

Example:

```
"archive.example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/sympa.nix>

services.sympa.domains.<name>.webLocation
URL path part of the web interface.

Type: string

Default:

```
"/"
```

Example:

```
"/sympa"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/sympa.nix>

services.sympa.lang

Default Sympa language. See **https://github.com/sympa-community/sympa/tree/sympa-6.2/po/sympa** for available options.

Type: string

Default:

```
"en_US"
```

Example:

```
"cs"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/sympa.nix>

services.sympa.listMasters

The list of the email addresses of the listmasters (users authorized to perform global server commands).

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "postmaster@sympa.example.org"
]
```

Declared by:

<nixpkgs/nixos/modules/services/mail/sympa.nix>

services.sympa.mainDomain

Main domain to be used in *sympa.conf*. If 'null', one of the **services.sympa.domains** is chosen for you.

Type: null or string

Default:

```
null
```

Example:

```
"lists.example.org"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/sympa.nix>

services.sympa.mta.type

Mail transfer agent (MTA) integration. Use 'none' if you want to configure it yourself.

The 'postfix' integration sets up local Postfix instance that will pass incoming messages from configured domains to Sympa. You still need to configure at least outgoing message handling using e.g. **services.postfix.relayHost**.

Type: one of "postfix", "none"

Default:

```
"postfix"
```

Declared by:

<nixpkgs/nixos/modules/services/mail/sympa.nix>

services.sympa.settings

The *sympa.conf* configuration file as key value set. See **https://sympa-community.github.io/gpldoc/man/sympa.conf.5.html** for list of configuration parameters.

Type: attribute set of (string or signed integer or boolean)

Default:

```
{ }
```

Example:

```
{
  default_home = "lists";
  viewlogs_page_size = 50;
}
```

Declared by:

<nixpkgs/nixos/modules/services/mail/sympa.nix>

services.sympa.settingsFile

Set of files to be linked in */var/lib/sympa*.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "list_data/lists.example.org/help" = {
    text = "subject This list provides help to users";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/mail/sympa.nix>

services.sympa.settingsFile.<name>.enable

Whether this file should be generated. This option allows specific files to be disabled.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/mail/sympa.nix>

services.sympa.settingsFile.<name>.source

Path of the source file.

Type: absolute path

Declared by:

<nixpkgs/nixos/modules/services/mail/sympa.nix>

services.sympa.settingsFile.<name>.text

Text of the file.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/mail/sympa.nix>

services.sympa.web.enable
Whether to enable Sympa web interface.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/sympa.nix>

services.sympa.web.fcgiProcs
Number of FastCGI processes to fork.

Type: positive integer, meaning >0

Default:

```
2
```

Declared by:
<nixpkgs/nixos/modules/services/mail/sympa.nix>

services.sympa.web.https
Whether to use HTTPS. When nginx integration is enabled, this option forces SSL and enables ACME. Please note that Sympa web interface always uses https links even when this option is disabled.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/sympa.nix>

services.sympa.web.server
The webserver used for the Sympa web interface. Set it to ‘none’ if you want to configure it yourself. Further nginx configuration can be done by adapting **services.nginx.virtualHosts.«name»**.

Type: one of “nginx”, “none”

Default:

```
"nginx"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/sympa.nix>

services.synapse−auto−compressor.enable
Whether to enable synapse−auto−compressor.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse−auto−compressor.nix>

services.synapse−auto−compressor.package
The rust−synapse−compress−state package to use.

Type: package

Default:

```
pkgs.rust−synapse−compress−state
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse−auto−compressor.nix>

services.synapse−auto−compressor.postgresUrl
Connection string to postgresql in the **rust** 'postgres' **crate config format**. The module will attempt to build a URL−style connection string out of the 'services.matrix−synapse.settings.database.args' if a local synapse is enabled.

Type: string

Default:

```
let
  synapseConfig = config.services.matrix−synapse;
  args = synapseConfig.settings.database.args;
in
if synapseConfig.enable then
  ''postgresql://${args.user}${lib.optionalString (args ? password) \
 (":" + args.password)}@${
    lib.escapeURL (if (args ? host) then args.host else "/run/postg \
resql")
  }${lib.optionalString (args ? port) (":" + args.port)}${args.data \
base}''
else
  null;
```

Example:

```
"postgresql://username:password@mydomain.com:port/database"
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse−auto−compressor.nix>

services.synapse−auto−compressor.settings.chunk_size
The number of state groups to work on at once. All of the entries from 'state_groups_state' are requested from the database for state groups that are worked on. Therefore small chunk sizes may be needed on machines with low memory.

Note: if the compressor fails to find space savings on the chunk as a whole (which may well happen in rooms with lots of backfill in) then the entire chunk is skipped.

Type: signed integer

Default:

```
500
```

Declared by:
<nixpkgs/nixos/modules/services/matrix/synapse−auto−compressor.nix>

services.synapse−auto−compressor.settings.chunks_to_compress

‘chunks_to_compress’ chunks of size ‘chunk_size’ will be compressed. The higher this number is set to, the longer the compressor will run for.

Type: signed integer

Default:

```
100
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/synapse−auto−compressor.nix>

services.synapse−auto−compressor.settings.levels

Sizes of each new level in the compression algorithm, as a comma−separated list. The first entry in the list is for the lowest, most granular level, with each subsequent entry being for the next highest level. The number of entries in the list determines the number of levels that will be used. The sum of the sizes of the levels affects the performance of fetching the state from the database, as the sum of the sizes is the upper bound on the number of iterations needed to fetch a given set of state.

Type: list of signed integer

Default:

```
[
  100
  50
  25
]
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/synapse−auto−compressor.nix>

services.synapse−auto−compressor.startAt

How often to run this service in systemd calendar syntax (see **systemd.time**(7))

Type: string or list of string

Default:

```
"weekly"
```

Example:

```
"daily"
```

Declared by:

<nixpkgs/nixos/modules/services/matrix/synapse−auto−compressor.nix>

services.syncoid.enable

Whether to enable Syncoid ZFS synchronization service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/backup/syncoid.nix>

services.syncoid.package

The sanoid package to use.

Type: package

Default:

```
pkgs.sanoid
```

Declared by:

<nixpkgs/nixos/modules/services/backup/syncoid.nix>

services.syncoid.commands

Syncoid commands to run.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "pool/test".target = "root@target:pool/test";
}
```

Declared by:

<nixpkgs/nixos/modules/services/backup/syncoid.nix>

services.syncoid.commands.<name>.extraArgs

Extra syncoid arguments for this command.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--sshport 2222"
]
```

Declared by:

<nixpkgs/nixos/modules/services/backup/syncoid.nix>

services.syncoid.commands.<name>.localSourceAllow

Permissions granted for the **services.syncoid.user** user for local source datasets. See **https://openzfs.github.io/openzfs-docs/man/8/zfs-allow.8.html** for available permissions. Defaults to **services.syncoid.localSourceAllow** option.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/backup/syncoid.nix>

services.syncoid.commands.<name>.localTargetAllow

Permissions granted for the **services.syncoid.user** user for local target datasets. See **https://openzfs.github.io/openzfs-docs/man/8/zfs-allow.8.html** for available permissions. Make sure to include the 'change-key' permission if you send raw encrypted datasets, the 'compression' permission if you send raw compressed datasets, and so on. For remote target datasets you'll have to set your remote user permissions by yourself.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/backup/syncoid.nix>

services.syncoid.commands.<name>.recursive

Whether to enable the transfer of child datasets.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/backup/syncoid.nix>

services.syncoid.commands.<name>.recvOptions

Advanced options to pass to zfs recv. Options are specified without their leading dashes and separated by spaces.

Type: strings concatenated with " "

Default:

```
""
```

Example:

```
"ux recordsize o compression=lz4"
```

Declared by:

<nixpkgs/nixos/modules/services/backup/syncoid.nix>

services.syncoid.commands.<name>.sendOptions

Advanced options to pass to zfs send. Options are specified without their leading dashes and separated by spaces.

Type: strings concatenated with " "

Default:

```
""
```

Example:

```
"Lc e"
```

Declared by:

<nixpkgs/nixos/modules/services/backup/syncoid.nix>

services.syncoid.commands.<name>.service

Systemd configuration specific to this syncoid service.

Type: attribute set

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/backup/syncoid.nix>

services.syncoid.commands.<name>.source

Source ZFS dataset. Can be either local or remote. Defaults to the attribute name.

Type: string

Example:

```
"pool/dataset"
```

Declared by:

<nixpkgs/nixos/modules/services/backup/syncoid.nix>

services.syncoid.commands.<name>.sshKey

SSH private key file to use to login to the remote system. Defaults to **services.syncoid.sshKey** option.

Type: null or (string or absolute path convertible to it)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/backup/syncoid.nix>

services.syncoid.commands.<name>.target

Target ZFS dataset. Can be either local («pool/dataset») or remote («user@server:pool/dataset»).

Type: string

Example:

```
"user@server:pool/dataset"
```

Declared by:

<nixpkgs/nixos/modules/services/backup/syncoid.nix>

services.syncoid.commands.<name>.useCommonArgs

Whether to add the configured common arguments to this command.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/backup/syncoid.nix>

services.syncoid.commonArgs

Arguments to add to every syncoid command, unless disabled for that command. See **https://github.com/jimsalterjrs/sanoid/#syncoid-command-line-options** for available options.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--no-sync-snap"
]
```

Declared by:
<nixpkgs/nixos/modules/services/backup/syncoid.nix>

services.syncoid.group
The group for the service.

Type: string

Default:

```
"syncoid"
```

Example:

```
"backup"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/syncoid.nix>

services.syncoid.interval
Run syncoid at this interval. The default is to run hourly.

Must be in the format described in **systemd.time**(7). This is equivalent to adding a corresponding timer unit with **OnCalendar** set to the value given here.

Set to an empty list to avoid starting syncoid automatically.

Type: string or list of string

Default:

```
"hourly"
```

Example:

```
"*-*-* *:15:00"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/syncoid.nix>

services.syncoid.localSourceAllow
Permissions granted for the **services.syncoid.user** user for local source datasets. See **https://openzfs.github.io/openzfs-docs/man/8/zfs-allow.8.html** for available permissions.

Type: list of string

Default:

```
[
  "bookmark"
  "hold"
  "send"
  "snapshot"
  "destroy"
  "mount"
]
```

Declared by:
<nixpkgs/nixos/modules/services/backup/syncoid.nix>

services.syncoid.localTargetAllow

Permissions granted for the **services.syncoid.user** user for local target datasets. See **https://openzfs.github.io/openzfs-docs/man/8/zfs-allow.8.html** for available permissions. Make sure to include the 'change-key' permission if you send raw encrypted datasets, the 'compression' permission if you send raw compressed datasets, and so on. For remote target datasets you'll have to set your remote user permissions by yourself.

Type: list of string

Default:

```
[
  "change-key"
  "compression"
  "create"
  "mount"
  "mountpoint"
  "receive"
  "rollback"
]
```

Example:

```
[
  "create"
  "mount"
  "receive"
  "rollback"
]
```

Declared by:

<nixpkgs/nixos/modules/services/backup/syncoid.nix>

services.syncoid.service

Systemd configuration common to all syncoid services.

Type: attribute set

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/backup/syncoid.nix>

services.syncoid.sshKey

SSH private key file to use to login to the remote system. Can be overridden in individual commands.

Type: null or (string or absolute path convertible to it)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/backup/syncoid.nix>

services.syncoid.user

The user for the service. ZFS privilege delegation will be automatically configured for any local pools used by syncoid if this option is set to a user other than root. The user will be given the "hold" and "send" privileges on any pool that has datasets being sent and the "create", "mount", "receive", and "rollback" privileges on any pool that has datasets being received.

Type: string

Default:

```
"syncoid"
```

Example:

```
"backup"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/syncoid.nix>

services.syncplay.enable
If enabled, start the Syncplay server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/syncplay.nix>

services.syncplay.package
The syncplay-nogui package to use.

Type: package

Default:

```
pkgs.syncplay-nogui
```

Declared by:
<nixpkgs/nixos/modules/services/networking/syncplay.nix>

services.syncplay.certDir
TLS certificates directory to use for encryption. See **https://github.com/Syncplay/syncplay/wiki/TLS-support**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/syncplay.nix>

services.syncplay.chat
Chat with users in the same room.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/syncplay.nix>

services.syncplay.extraArgs
Additional arguments to be passed to the service.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/syncplay.nix>

services.syncplay.interfaceIpv4
The IP address to bind to for IPv4. Leaving it empty defaults to using all.

Type: string

Default:
""

Declared by:
<nixpkgs/nixos/modules/services/networking/syncplay.nix>

services.syncplay.interfaceIpv6
The IP address to bind to for IPv6. Leaving it empty defaults to using all.

Type: string

Default:
""

Declared by:
<nixpkgs/nixos/modules/services/networking/syncplay.nix>

services.syncplay.ipv4Only
Listen only on IPv4 when strting the server.

Type: boolean

Default:
`false`

Declared by:
<nixpkgs/nixos/modules/services/networking/syncplay.nix>

services.syncplay.ipv6Only
Listen only on IPv6 when strting the server.

Type: boolean

Default:
`false`

Declared by:
<nixpkgs/nixos/modules/services/networking/syncplay.nix>

services.syncplay.isolateRooms
Enable room isolation.

Type: boolean

Default:
`false`

Declared by:
<nixpkgs/nixos/modules/services/networking/syncplay.nix>

services.syncplay.maxChatMessageLength
Maximum number of characters in a chat message.

Type: unsigned integer, meaning >=0

Default:

```
150
```

Declared by:
<nixpkgs/nixos/modules/services/networking/syncplay.nix>

services.syncplay.maxUsernameLength
Maximum number of characters in a username.

Type: unsigned integer, meaning >=0

Default:

```
16
```

Declared by:
<nixpkgs/nixos/modules/services/networking/syncplay.nix>

services.syncplay.motd
Text to display when users join. The motd will be readable in the nix store and the processlist. If this is not intended use ‘motdFile’ instead. Will be overriden by **services.syncplay.motdFile**.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/syncplay.nix>

services.syncplay.motdFile
Path to text to display when users join. Will override **services.syncplay.motd**.

Type: null or string

Default:

```
if services.syncplay.motd != null then (builtins.toFile "motd" serv \
ices.syncplay.motd) else null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/syncplay.nix>

services.syncplay.passwordFile
Path to the file that contains the server password. If ‘null’, the server doesn’t require a password.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/syncplay.nix>

services.syncplay.permanentRooms
List of rooms that will be listed even if the room is empty. Will be overriden by **services.syncplay.permanentRoomsFile**.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/syncplay.nix>

services.syncplay.permanentRoomsFile

File with list of rooms that will be listed even if the room is empty, newline delimited. Will override **services.syncplay.permanentRooms**.

Type: null or string

Default:

```
if services.syncplay.permanentRooms != [ ] then (builtins.toFile "p \
erm" (builtins.concatStringsSep "\n" services.syncplay.permanentRo \
oms)) else null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/syncplay.nix>

services.syncplay.port

TCP port to bind to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8999
```

Declared by:

<nixpkgs/nixos/modules/services/networking/syncplay.nix>

services.syncplay.ready

Check readiness of users.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/syncplay.nix>

services.syncplay.roomsDBFile

Path to SQLite database file to store room states. Relative to the working directory provided by systemd.

Type: null or string

Default:

```
null
```

Example:

```
"rooms.db"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/syncplay.nix>

services.syncplay.salt

Salt to allow room operator passwords generated by this server instance to still work when the server is restarted. The salt will be readable in the nix store and the processlist. If this is not intended use ‘saltFile’ instead. Mutually exclusive with **services.syncplay.saltFile**.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/syncplay.nix>

services.syncplay.saltFile
Path to the file that contains the server salt. This allows room operator passwords generated by this server instance to still work when the server is restarted. 'null', the server doesn't load the salt from a file. Mutually exclusive with **services.syncplay.salt**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/syncplay.nix>

services.syncplay.statsDBFile
Path to SQLite database file to store stats. Relative to the working directory provided by systemd.

Type: null or string

Default:

```
null
```

Example:

```
"stats.db"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/syncplay.nix>

services.syncplay.useACMEHost
If set, use NixOS−generated ACME certificate with the specified name for TLS.

Note that it requires **security.acme** to be setup, e.g., credentials provided if using DNS−01 validation.

Type: null or string

Default:

```
null
```

Example:

```
"syncplay.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/syncplay.nix>

services.syncthing.enable
Whether to enable Syncthing, a self−hosted open−source alternative to Dropbox and Bittorrent Sync.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/syncthing.nix>

services.syncthing.package

The syncthing package to use.

Type: package

Default:

```
pkgs.syncthing
```

Declared by:

<nixpkgs/nixos/modules/services/networking/syncthing.nix>

services.syncthing.all_proxy

Overwrites the all_proxy environment variable for the Syncthing process to the given value. This is normally used to let Syncthing connect through a SOCKS5 proxy server. See **https://docs.syncthing.net/users/proxying.html**.

Type: null or string

Default:

```
null
```

Example:

```
"socks5://address.com:1234"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/syncthing.nix>

services.syncthing.cert

Path to the 'cert.pem' file, which will be copied into Syncthing's **configDir**.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/syncthing.nix>

services.syncthing.configDir

The path where the settings and keys will exist.

Type: absolute path

Default:

- if stateVersion >= 19.03:

  ```
  config.services.syncthing.dataDir + "/.config/syncthing"
  ```

- otherwise:

  ```
  config.services.syncthing.dataDir
  ```

Declared by:

<nixpkgs/nixos/modules/services/networking/syncthing.nix>

services.syncthing.dataDir

The path where synchronised directories will exist.

Type: absolute path

Default:

```
"/var/lib/syncthing"
```

Example:

```
"/home/yourUser"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/syncthing.nix>

services.syncthing.databaseDir
The directory containing the database and logs.

Type: absolute path

Default:

```
config.services.syncthing.configDir
```

Declared by:
<nixpkgs/nixos/modules/services/networking/syncthing.nix>

services.syncthing.extraFlags
Extra flags passed to the syncthing command in the service definition.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--reset-deltas"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/syncthing.nix>

services.syncthing.group
The group to run Syncthing under. By default, a group named ‘syncthing’ will be created.

Type: string

Default:

```
"syncthing"
```

Example:

```
"yourGroup"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/syncthing.nix>

services.syncthing.guiAddress
The address to serve the web interface at.

Type: string

Default:

```
"127.0.0.1:8384"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/syncthing.nix>

services.syncthing.guiPasswordFile
Path to file containing the plaintext password for Syncthing’s GUI.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/syncthing.nix>

services.syncthing.key
Path to the ‘key.pem’ file, which will be copied into Syncthing’s **configDir**.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/syncthing.nix>

services.syncthing.openDefaultPorts
Whether to open the default ports in the firewall: TCP/UDP 22000 for transfers and UDP 21027 for discovery.

If multiple users are running Syncthing on this machine, you will need to manually open a set of ports for each instance and leave this disabled. Alternatively, if you are running only a single instance on this machine using the default ports, enable this.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/syncthing.nix>

services.syncthing.overrideDevices
Whether to delete the devices which are not configured via the **devices** option. If set to ‘false’, devices added via the web interface will persist and will have to be deleted manually.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/syncthing.nix>

services.syncthing.overrideFolders
Whether to delete the folders which are not configured via the **folders** option. If set to ‘false’, folders added via the web interface will persist and will have to be deleted manually.

Type: boolean

Default: true unless any device has the **autoAcceptFolders** option set to true.

Declared by:
<nixpkgs/nixos/modules/services/networking/syncthing.nix>

services.syncthing.relay.enable

Whether to enable Syncthing relay service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/syncthing-relay.nix>

services.syncthing.relay.extraOptions

Extra command line arguments to pass to strelaysrv.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/syncthing-relay.nix>

services.syncthing.relay.globalRateBps

Global bandwidth rate limit in bytes per second.

Type: null or (positive integer, meaning >0)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/syncthing-relay.nix>

services.syncthing.relay.listenAddress

Address to listen on for relay traffic.

Type: string

Default:

```
""
```

Example:

```
"1.2.3.4"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/syncthing-relay.nix>

services.syncthing.relay.perSessionRateBps

Per session bandwidth rate limit in bytes per second.

Type: null or (positive integer, meaning >0)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/syncthing-relay.nix>

services.syncthing.relay.pools

Relay pools to join. If null, uses the default global pool.

Type: null or (list of string)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/syncthing−relay.nix>

services.syncthing.relay.port

Port to listen on for relay traffic. This port should be added to ‘networking.firewall.allowedTCPPorts’.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
22067
```

Declared by:

<nixpkgs/nixos/modules/services/networking/syncthing−relay.nix>

services.syncthing.relay.providedBy

Human−readable description of the provider of the relay (you).

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/networking/syncthing−relay.nix>

services.syncthing.relay.statusListenAddress

Address to listen on for serving the relay status API.

Type: string

Default:

```
""
```

Example:

```
"1.2.3.4"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/syncthing−relay.nix>

services.syncthing.relay.statusPort

Port to listen on for serving the relay status API. This port should be added to ‘networking.firewall.allowedTCPPorts’.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
22070
```

Declared by:

<nixpkgs/nixos/modules/services/networking/syncthing−relay.nix>

services.syncthing.settings

Extra configuration options for Syncthing. See **https://docs.syncthing.net/users/config.html**. Note that this attribute set does not exactly match the documented xml format. Instead, this is the format of the json rest api. There are slight differences. For example, this xml:

```
<options>
  <listenAddress>default</listenAddress>
  <minHomeDiskFree unit="%">1</minHomeDiskFree>
</options>
```

corresponds to the json:

```
{
  options: {
    listenAddresses = [
      "default"
    ];
    minHomeDiskFree = {
      unit = "%";
      value = 1;
    };
  };
}
```

Type: open submodule of (JSON value)

Default:

```
{ }
```

Example:

```
{
  gui = {
    theme = "black";
  };
  options = {
    localAnnounceEnabled = false;
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/syncthing.nix>

services.syncthing.settings.devices

Peers/devices which Syncthing should communicate with.

Note that you can still add devices manually, but those changes will be reverted on restart if **overrideDevices** is enabled.

Type: attribute set of (open submodule of (JSON value))

Default:

```
{ }
```

Example:

```
{
  bigbox = {
    addresses = [
      "tcp://192.168.0.10:51820"
    ];
```

```
    id = "7CFNTQM-IMTJBHJ-3UWRDIU-ZGQJFR6-VCXZ3NB-XUH3KZO-N52 \
ITXR-LAIYUAU";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/syncthing.nix>

services.syncthing.settings.devices.<name>.autoAcceptFolders
Automatically create or share folders that this device advertises at the default path. See **https://docs.syncthing.net/users/config.html?highlight=autoaccept#config-file-format**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/syncthing.nix>

services.syncthing.settings.devices.<name>.id
The device ID. See **https://docs.syncthing.net/dev/device-ids.html**.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/syncthing.nix>

services.syncthing.settings.devices.<name>.name
The name of the device.

Type: string

Default:

```
"‹name›"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/syncthing.nix>

services.syncthing.settings.folders
Folders which should be shared by Syncthing.

Note that you can still add folders manually, but those changes will be reverted on restart if **overrideFolders** is enabled.

Type: attribute set of (open submodule of (JSON value))

Default:

```
{ }
```

Example:

```
{
  "/home/user/sync" = {
    id = "syncme";
    devices = [ "bigbox" ];
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/syncthing.nix>

services.syncthing.settings.folders.<name>.enable

Whether to share this folder. This option is useful when you want to define all folders in one place, but not every machine should share all folders.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/syncthing.nix>

services.syncthing.settings.folders.<name>.copyOwnershipFromParent

On Unix systems, tries to copy file/folder ownership from the parent directory (the directory it's located in). Requires running Syncthing as a privileged user, or granting it additional capabilities (e.g. CAP_CHOWN on Linux).

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/syncthing.nix>

services.syncthing.settings.folders.<name>.devices

The devices this folder should be shared with. Each device must be defined in the **devices** option.

A list of either strings or attribute sets, where values are device names or device configurations.

Type: list of (string or (open submodule of (JSON value)))

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/syncthing.nix>

services.syncthing.settings.folders.<name>.id

The ID of the folder. Must be the same on all devices.

Type: string

Default:

```
"‹name›"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/syncthing.nix>

services.syncthing.settings.folders.<name>.ignorePatterns

Syncthing can be configured to ignore certain files in a folder using ignore patterns. Enter them as a list of strings, one string per line. See the Syncthing documentation for syntax: **https://docs.syncthing.net/users/ignoring.html** Patterns set using the WebUI will be overridden if you define this option. If you want to override the ignore patterns to be empty, use 'ignorePatterns = []'. Deleting the 'ignorePatterns' option will not remove the patterns from Syncthing automatically because patterns are only handled by the module if this option is defined. Either use 'ignorePatterns = []' before deleting the option or remove the patterns afterwards using the WebUI.

Type: null or (list of string)

Default:

```
null
```

Example:

```
[
  "// This is a comment"
  "*.part // Firefox downloads and other things"
  "*.crdownload // Chrom(ium|e) downloads"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/syncthing.nix>

services.syncthing.settings.folders.<name>.label
The label of the folder.

Type: string

Default:

```
"‹name›"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/syncthing.nix>

services.syncthing.settings.folders.<name>.path
The path to the folder which should be shared. Only absolute paths (starting with '/') and paths relative to the **user**' s home directory (starting with '~/') are allowed.

Type: string starting with / or ~/

Default:

```
"‹name›"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/syncthing.nix>

services.syncthing.settings.folders.<name>.type
Controls how the folder is handled by Syncthing. See **https://docs.syncthing.net/users/config.html#config-option-folder.type**.

Type: one of "sendreceive", "sendonly", "receiveonly", "receiveencrypted"

Default:

```
"sendreceive"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/syncthing.nix>

services.syncthing.settings.folders.<name>.versioning
How to keep changed/deleted files with Syncthing. There are 4 different types of versioning with different parameters. See **https://docs.syncthing.net/users/versioning.html**.

Type: null or (open submodule of (JSON value))

Default:

```
null
```

Example:

```
[
  {
    versioning = {
      type = "simple";
      params.keep = "10";
    };
```

```
    }
    {
      versioning = {
        type = "trashcan";
        params.cleanoutDays = "1000";
      };
    }
    {
      versioning = {
        type = "staggered";
        fsPath = "/syncthing/backup";
        params = {
          cleanInterval = "3600";
          maxAge = "31536000";
        };
      };
    }
    {
      versioning = {
        type = "external";
        params.versionsPath = pkgs.writers.writeBash "backup" ''
          folderpath="$1"
          filepath="$2"
          rm -rf "$folderpath/$filepath"
        '';
      };
    }
  ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/syncthing.nix>

services.syncthing.settings.folders.<name>.versioning.type

The type of versioning. See **https://docs.syncthing.net/users/versioning.html**.

Type: one of “external”, “simple”, “staggered”, “trashcan”

Declared by:

<nixpkgs/nixos/modules/services/networking/syncthing.nix>

services.syncthing.settings.options

The options element contains all other global configuration options

Type: open submodule of (JSON value)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/syncthing.nix>

services.syncthing.settings.options.limitBandwidthInLan

Whether to apply bandwidth limits to devices in the same broadcast domain as the local device.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/syncthing.nix>

services.syncthing.settings.options.localAnnounceEnabled
Whether to send announcements to the local LAN, also use such announcements to find other devices.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/syncthing.nix>

services.syncthing.settings.options.localAnnouncePort
The port on which to listen and send IPv4 broadcast announcements to.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/syncthing.nix>

services.syncthing.settings.options.maxFolderConcurrency
This option controls how many folders may concurrently be in I/O−intensive operations such as syncing or scanning. The mechanism is described in detail in a **separate chapter**.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/syncthing.nix>

services.syncthing.settings.options.relaysEnabled
When true, relays will be connected to and potentially used for device to device connections.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/syncthing.nix>

services.syncthing.settings.options.urAccepted
Whether the user has accepted to submit anonymous usage data. The default, 0, mean the user has not made a choice, and Syncthing will ask at some point in the future. “−1” means no, a number above zero means that that version of usage reporting has been accepted.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/syncthing.nix>

services.syncthing.systemService

Whether to auto−launch Syncthing as a system service.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/syncthing.nix>

services.syncthing.user

The user to run Syncthing as. By default, a user named ‘syncthing’ will be created whose home directory is **dataDir**.

Type: string

Default:

```
"syncthing"
```

Example:

```
"yourUser"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/syncthing.nix>

services.synergy.client.enable

Whether to enable the Synergy client (receive keyboard and mouse events from a Synergy server).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/synergy.nix>

services.synergy.client.autoStart

Whether the Synergy client should be started automatically.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/synergy.nix>

services.synergy.client.screenName

Use the given name instead of the hostname to identify ourselves to the server.

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/misc/synergy.nix>

services.synergy.client.serverAddress

The server address is of the form: [hostname][:port]. The hostname must be the address or hostname of the server. The port overrides the default port, 24800.

Type: string

Declared by:

<nixpkgs/nixos/modules/services/misc/synergy.nix>

services.synergy.server.enable

Whether to enable the Synergy server (send keyboard and mouse events).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/synergy.nix>

services.synergy.server.address

Address on which to listen for clients.

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/misc/synergy.nix>

services.synergy.server.autoStart

Whether the Synergy server should be started automatically.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/synergy.nix>

services.synergy.server.configFile

The Synergy server configuration file.

Type: absolute path

Default:

```
"/etc/synergy-server.conf"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/synergy.nix>

services.synergy.server.screenName

Use the given name instead of the hostname to identify this screen in the configuration.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/misc/synergy.nix>

services.synergy.server.tls.enable
Whether TLS encryption should be used.

Using this requires a TLS certificate that can be generated by starting the Synergy GUI once and entering a valid product key.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/synergy.nix>

services.synergy.server.tls.cert
The TLS certificate to use for encryption.

Type: null or string

Default:

```
null
```

Example:

```
"~/.synergy/SSL/Synergy.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/synergy.nix>

services.syslog−ng.enable
Whether to enable the syslog−ng daemon.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/logging/syslog−ng.nix>

services.syslog−ng.package
The syslogng package to use.

Type: package

Default:

```
pkgs.syslogng
```

Declared by:
<nixpkgs/nixos/modules/services/logging/syslog−ng.nix>

services.syslog−ng.configHeader
The very first lines of the configuration file. Should usually contain the syslog−ng version header.

Type: strings concatenated with “\n”

Default:

```
@version: 4.4
@include "scl.conf"
```

Declared by:
<nixpkgs/nixos/modules/services/logging/syslog−ng.nix>

services.syslog−ng.extraConfig
Configuration added to the end of ‘syslog−ng.conf’.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/logging/syslog−ng.nix>

services.syslog−ng.extraModulePaths
A list of paths that should be included in syslog−ng’s ‘−−module−path’ option. They should usually end in ‘/lib/syslog−ng’

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/logging/syslog−ng.nix>

services.syslogd.enable
Whether to enable syslogd. Note that systemd also logs syslog messages, so you normally don’t need to run syslogd.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/logging/syslogd.nix>

services.syslogd.enableNetworkInput
Accept logging through UDP. Option −r of **syslogd**(8).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/logging/syslogd.nix>

services.syslogd.defaultConfig
The default *syslog.conf* file configures a fairly standard setup of log files, which can be extended by means of *extraConfig*.

Type: strings concatenated with “\n”

Default:

```
# Send emergency messages to all users.
*.emerg                         *

# "local1" is used for dhcpd messages.
local1.*                       -/var/log/dhcpd
```

```
mail.*                          -/var/log/mail

*.=warning;*.=err               -/var/log/warn
*.crit                           /var/log/warn

*.*;mail.none;local1.none       -/var/log/messages
```

Declared by:
<nixpkgs/nixos/modules/services/logging/syslogd.nix>

services.syslogd.extraConfig
Additional text appended to *syslog.conf*, i.e. the contents of *defaultConfig*.

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
"news.* -/var/log/news"
```

Declared by:
<nixpkgs/nixos/modules/services/logging/syslogd.nix>

services.syslogd.extraParams
Additional parameters passed to **syslogd**.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-m 0"
]
```

Declared by:
<nixpkgs/nixos/modules/services/logging/syslogd.nix>

services.syslogd.tty
The tty device on which syslogd will print important log messages. Leave this option blank to disable tty logging.

Type: string

Default:

```
"tty10"
```

Declared by:
<nixpkgs/nixos/modules/services/logging/syslogd.nix>

services.sysprof.enable
Whether to enable sysprof profiling daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/sysprof.nix>

services.sysstat.enable
Whether to enable sar system activity collection.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/sysstat.nix>

services.sysstat.collect−args
Arguments to pass sa1 when collecting statistics

Type: string

Default:

```
"1 1"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/sysstat.nix>

services.sysstat.collect−frequency
OnCalendar specification for sysstat−collect

Type: string

Default:

```
"*:00/10"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/sysstat.nix>

services.system−config−printer.enable
Whether to enable system−config−printer, a service for CUPS administration used by printing interfaces.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system−config−printer.nix>

services.system76−scheduler.enable
Whether to enable system76−scheduler.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.package
Which System76−Scheduler package to use.

Type: package

Default:

```
pkgs.system76−scheduler
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.assignments
Process profile assignments.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  nix−builds = {
    nice = 15;
    class = "batch";
    ioClass = "idle";
    matchers = [
      "nix−daemon"
    ];
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.assignments.<name>.class
CPU scheduler class.

Type: null or one of “idle”, “batch”, “other”, “rr”, “fifo”

Default:

```
null
```

Example:

```
"batch"
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.assignments.<name>.ioClass
IO scheduler class.

Type: null or one of “idle”, “best−effort”, “realtime”

Default:

```
null
```

Example:

```
"best−effort"
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.assignments.<name>.ioPrio
IO scheduler priority.

Type: null or integer between 0 and 7 (both inclusive)

Default:

```
null
```

Example:

```
4
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.assignments.<name>.matchers
Process matchers.

Type: null or (list of string)

Default:

```
[ ]
```

Example:

```
[
  "include cgroup=\"/user.slice/*.service\" parent=\"systemd\""
  "emacs"
]
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.assignments.<name>.nice
Niceness.

Type: null or integer between −20 and 19 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.assignments.<name>.prio
CPU scheduler priority.

Type: null or integer between 1 and 99 (both inclusive)

Default:

```
null
```

Example:

```
49
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.exceptions
Processes that are left alone.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "include descends=\"schedtool\""
  "schedtool"
]
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.settings.cfsProfiles.enable
Tweak CFS latency parameters when going on/off battery

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.settings.cfsProfiles.default.bandwidth−size
‘sched_cfs_bandwidth_slice_us’.

Type: signed integer

Default:

```
5
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.settings.cfsProfiles.default.latency
‘sched_latency_ns’.

Type: signed integer

Default:

```
6
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.settings.cfsProfiles.default.nr−latency
‘sched_nr_latency’.

Type: signed integer

Default:

```
8
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.settings.cfsProfiles.default.preempt
Preemption mode.

Type: one of “none”, “voluntary”, “full”

Default:

```
"voluntary"
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.settings.cfsProfiles.default.wakeup−granularity
‘sched_wakeup_granularity_ns’.

Type: floating point number

Default:

```
1.0
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.settings.cfsProfiles.responsive.bandwidth−size
‘sched_cfs_bandwidth_slice_us’.

Type: signed integer

Default:

```
3
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.settings.cfsProfiles.responsive.latency
‘sched_latency_ns’.

Type: signed integer

Default:

```
4
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.settings.cfsProfiles.responsive.nr−latency
‘sched_nr_latency’.

Type: signed integer

Default:

```
10
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.settings.cfsProfiles.responsive.preempt
Preemption mode.

Type: one of “none”, “voluntary”, “full”

Default:

```
"full"
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.settings.cfsProfiles.responsive.wakeup−granularity
'sched_wakeup_granularity_ns'.

Type: floating point number

Default:

```
0.5
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.settings.processScheduler.enable
Tweak scheduling of individual processes in real time.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.settings.processScheduler.foregroundBoost.enable
Boost foreground process priorities.

(And de−boost background ones). Note that this option needs cooperation from the desktop environment to work. On Gnome the client side is implemented by the "System76 Scheduler" shell extension.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.settings.processScheduler.foregroundBoost.background.class
CPU scheduler class.

Type: null or one of "idle", "batch", "other", "rr", "fifo"

Default:

```
null
```

Example:

```
"batch"
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.settings.processScheduler.foregroundBoost.background.ioClass
IO scheduler class.

Type: null or one of "idle", "best−effort", "realtime"

Default:

```
"idle"
```

Example:

```
"best-effort"
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.settings.processScheduler.foregroundBoost.background.ioPrio
IO scheduler priority.

Type: null or integer between 0 and 7 (both inclusive)

Default:

```
null
```

Example:

```
4
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.settings.processScheduler.foregroundBoost.background.matchers
Process matchers.

Type: null or (list of string)

Default:

```
[ ]
```

Example:

```
[
  "include cgroup=\"/user.slice/*.service\" parent=\"systemd\""
  "emacs"
]
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.settings.processScheduler.foregroundBoost.background.nice
Niceness.

Type: null or integer between −20 and 19 (both inclusive)

Default:

```
6
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.settings.processScheduler.foregroundBoost.background.prio
CPU scheduler priority.

Type: null or integer between 1 and 99 (both inclusive)

Default:

```
null
```

Example:

```
49
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.settings.processScheduler.foregroundBoost.foreground.class
CPU scheduler class.

Type: null or one of “idle”, “batch”, “other”, “rr”, “fifo”

Default:

```
null
```

Example:

```
"batch"
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.settings.processScheduler.foregroundBoost.foreground.ioClass
IO scheduler class.

Type: null or one of “idle”, “best−effort”, “realtime”

Default:

```
"best-effort"
```

Example:

```
"best-effort"
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.settings.processScheduler.foregroundBoost.foreground.ioPrio
IO scheduler priority.

Type: null or integer between 0 and 7 (both inclusive)

Default:

Example:

```
4
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.settings.processScheduler.foregroundBoost.foreground.matchers
Process matchers.

Type: null or (list of string)

Default:

```
[ ]
```

Example:

```
[
  "include cgroup=\"/user.slice/*.service\" parent=\"systemd\""
  "emacs"
]
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.settings.processScheduler.foregroundBoost.foreground.nice
Niceness.

Type: null or integer between −20 and 19 (both inclusive)

Default:

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.settings.processScheduler.foregroundBoost.foreground.prio
CPU scheduler priority.

Type: null or integer between 1 and 99 (both inclusive)

Default:

```
null
```

Example:

```
49
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.settings.processScheduler.pipewireBoost.enable
Boost Pipewire client priorities.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.settings.processScheduler.pipewireBoost.profile.class
CPU scheduler class.

Type: null or one of “idle”, “batch”, “other”, “rr”, “fifo”

Default:

```
null
```

Example:

```
"batch"
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.settings.processScheduler.pipewireBoost.profile.ioClass
IO scheduler class.

Type: null or one of “idle”, “best−effort”, “realtime”

Default:

```
"best-effort"
```

Example:

```
"best-effort"
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.settings.processScheduler.pipewireBoost.profile.ioPrio
IO scheduler priority.

Type: null or integer between 0 and 7 (both inclusive)

Default:

Example:

```
4
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.settings.processScheduler.pipewireBoost.profile.matchers
Process matchers.

Type: null or (list of string)

Default:

```
[ ]
```

Example:

```
[
  "include cgroup=\"/user.slice/*.service\" parent=\"systemd\""
  "emacs"
]
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.settings.processScheduler.pipewireBoost.profile.nice
Niceness.

Type: null or integer between −20 and 19 (both inclusive)

Default:

```
−6
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.settings.processScheduler.pipewireBoost.profile.prio
CPU scheduler priority.

Type: null or integer between 1 and 99 (both inclusive)

Default:

```
null
```

Example:

```
49
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.settings.processScheduler.refreshInterval
Process list poll interval, in seconds

Type: signed integer

Default:

```
60
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.settings.processScheduler.useExecsnoop
Use execsnoop (otherwise poll the precess list periodically).

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.system76−scheduler.useStockConfig
Use the (reasonable and featureful) stock configuration.

When this option is ‘true’, ‘services.system76−scheduler.settings’ are ignored.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/system76−scheduler.nix>

services.systembus−notify.enable
Whether to enable System bus notification support

WARNING: enabling this option (while convenient) should *not* be done on a machine where you do not trust the other users as it allows any other local user to DoS your session by spamming notifications .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/system/systembus−notify.nix>

services.systemd−lock−handler.enable
Whether to enable systemd−lock−handler.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/system/systemd−lock−handler.nix>

services.systemd−lock−handler.package
The systemd−lock−handler package to use.

Type: package

Default:

```
pkgs.systemd−lock−handler
```

Declared by:
<nixpkgs/nixos/modules/services/system/systemd−lock−handler.nix>

services.szurubooru.enable
Whether to enable Szurubooru, an image board engine dedicated for small and medium communities.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/szurubooru.nix>

services.szurubooru.client.package
The client package to use.

Type: package

Default:

```
pkgs.szurubooru.client
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/szurubooru.nix>

services.szurubooru.dataDir
The path to the data directory in which Szurubooru will store its data.

Type: absolute path

Default:

```
"/var/lib/szurubooru"
```

Example:

```
"/var/lib/szuru"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/szurubooru.nix>

services.szurubooru.database.host
Host on which the PostgreSQL database runs.

Type: string

Default:

```
"localhost"
```

Example:

```
"192.168.1.2"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/szurubooru.nix>

services.szurubooru.database.name
Name of the PostgreSQL database.

Type: string

Default:

```
szurubooru.database.name
```

Example:

```
"szuru"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/szurubooru.nix>

services.szurubooru.database.passwordFile
A file containing the password for the PostgreSQL user.

Type: absolute path

Example:

```
"/run/secrets/szurubooru−db−password"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/szurubooru.nix>

services.szurubooru.database.port
The port under which PostgreSQL listens to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5432
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/szurubooru.nix>

services.szurubooru.database.user
PostgreSQL user.

Type: string

Default:

```
"szurubooru"
```

Example:

```
"szuru"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/szurubooru.nix>

services.szurubooru.group
Group under which Szurubooru runs.

Type: string

Default:

```
"szurubooru"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/szurubooru.nix>

services.szurubooru.openFirewall
Whether to open the firewall for the port in **services.szurubooru.server.port**.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/szurubooru.nix>

services.szurubooru.server.package
The server package to use.

Type: package

Default:

```
pkgs.szurubooru.server
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/szurubooru.nix>

services.szurubooru.server.host
The host address for Szurubooru to bind to.

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/szurubooru.nix>

services.szurubooru.server.port
Port to expose HTTP service.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Example:

```
9000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/szurubooru.nix>

services.szurubooru.server.settings
Configuration to write to *config.yaml*. See **https://github.com/rr−/szurubooru/blob/master/server/config.yaml.dist** for more information.

Type: open submodule of (YAML 1.1 value)

Declared by:
<nixpkgs/nixos/modules/services/web−apps/szurubooru.nix>

services.szurubooru.server.settings.data_dir
Path to the static files.

Type: absolute path

Default:

```
"${services.szurubooru.dataDir}/data"
```

Example:

```
"/srv/szurubooru/data"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/szurubooru.nix>

services.szurubooru.server.settings.data_url
Full URL to the data endpoint.

Type: string

Default:

```
"${services.szurubooru.server.settings.domain}/data/"
```

Example:

```
"http://example.com/content/"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/szurubooru.nix>

services.szurubooru.server.settings.debug
Whether to generate server logs.

Type: signed integer

Default:

Example:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/szurubooru.nix>

services.szurubooru.server.settings.delete_source_files
Whether to delete thumbnails and source files on post delete.

Type: one of “yes”, “no”

Default:

```
"no"
```

Example:

```
"yes"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/szurubooru.nix>

services.szurubooru.server.settings.domain
Full URL to the homepage of this szurubooru site (with no trailing slash).

Type: string

Example:

```
"http://example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/szurubooru.nix>

services.szurubooru.server.settings.name
Name shown in the website title and on the front page.

Type: string

Default:

```
"szurubooru"
```

Example:

```
"Szuru"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/szurubooru.nix>

services.szurubooru.server.settings.secretFile
File containing a secret used to salt the users' password hashes and generate filenames for static content.

Type: absolute path

Example:

```
"/run/secrets/szurubooru−server−secret"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/szurubooru.nix>

services.szurubooru.server.settings.show_sql
Whether to show SQL in server logs.

Type: signed integer

Default:

Example:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/szurubooru.nix>

services.szurubooru.server.settings.smtp.host
Host of the SMTP server used to send reset password.

Type: null or string

Default:

```
null
```

Example:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/szurubooru.nix>

services.szurubooru.server.settings.smtp.passFile
File containing the password associated to the given user for the SMTP server.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/szurubooru-smtp-pass"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/szurubooru.nix>

services.szurubooru.server.settings.smtp.port
Port of the SMTP server.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Example:

```
25
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/szurubooru.nix>

services.szurubooru.server.settings.smtp.user
User to connect to the SMTP server.

Type: null or string

Default:

```
null
```

Example:

```
"bot"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/szurubooru.nix>

services.szurubooru.server.threads
Number of waitress threads to start.

Type: signed integer

Default:

```
4
```

Example:

```
6
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/szurubooru.nix>

services.szurubooru.user

User account under which Szurubooru runs.

Type: string

Default:

```
"szurubooru"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/szurubooru.nix>

services.tabby.enable

Whether to enable Self−hosted AI coding assistant using large language models.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/tabby.nix>

services.tabby.package

The tabby package to use.

Type: package

Default:

```
pkgs.tabby
```

Declared by:

<nixpkgs/nixos/modules/services/misc/tabby.nix>

services.tabby.acceleration

Specifies the device to use for hardware acceleration.

- ‘cpu’: no acceleration just use the CPU
- ‘rocm’: supported by modern AMD GPUs
- ‘cuda’: supported by modern NVIDIA GPUs
- ‘metal’: supported on darwin aarch64 machines

Tabby will try and determine what type of acceleration that is already enabled in your configuration when ‘acceleration = null’.

- nixpkgs.config.cudaSupport
- nixpkgs.config.rocmSupport
- if stdenv.hostPlatform.isDarwin && stdenv.hostPlatform.isAarch64

IFF multiple acceleration methods are found to be enabled or if you haven’t set either ‘cudaSupport or rocmSupport’ you will have to specify the device type manually here otherwise it will default to the first from the list above or to cpu.

Type: null or one of “cpu”, “rocm”, “cuda”, “metal”

Default:

```
null
```

Example:

```
"rocm"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tabby.nix>

services.tabby.host
Specifies the hostname on which the tabby server HTTP interface listens.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tabby.nix>

services.tabby.model
Specify the model that tabby will use to generate completions.

This model will be downloaded automatically if it is not already present.

If you want to utilize an existing model that you've already downloaded you'll need to move it into tabby's state directory which lives in '/var/lib/tabby'. Because the tabby.service is configured to use a DynamicUser the service will need to have been started at least once before you can move the locally existing model into '/var/lib/tabby'. You can set the model to 'none' and tabby will startup and fail to download a model, but will have created the '/var/lib/tabby' directory. You can then copy over the model manually into '/var/lib/tabby', update the model option to the name you just downloaded and copied over then 'nixos−rebuild switch' to start using it.

$ tabby download −−model TabbyML/DeepseekCoder−6.7B $ find ~/.tabby/ | tail −n1 /home/ghthor/.tabby/models/TabbyML/DeepseekCoder−6.7B/ggml/q8_0.v2.gguf $ sudo rsync −r ~/.tabby/models/ /var/lib/tabby/models/ $ sudo chown −R tabby:tabby /var/lib/tabby/models/

See for Model Options:

"" **https://github.com/TabbyML/registry−tabby**

Type: string

Default:

```
"TabbyML/StarCoder−1B"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tabby.nix>

services.tabby.port
Specifies the bind port on which the tabby server HTTP interface listens.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
11029
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tabby.nix>

services.tabby.usageCollection
Enable sending anonymous usage data.

See for more details:

"" **https://tabby.tabbyml.com/docs/configuration#usage−collection**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tabby.nix>

services.tabbyapi.enable
Whether to enable tabbyapi.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/tabbyapi.nix>

services.tabbyapi.package
The tabbyapi package to use.

Type: package

Default:

```
pkgs.tabbyapi
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/tabbyapi.nix>

services.tabbyapi.openFirewall
Whether to open the firewall for the TabbyAPI port.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/tabbyapi.nix>

services.tabbyapi.settings
Configuration for TabbyAPI. https://github.com/theroyallab/tabbyAPI/wiki/02.−Server−options

Type: open submodule of (YAML 1.1 value)

Declared by:
<nixpkgs/nixos/modules/services/web−apps/tabbyapi.nix>

services.tabbyapi.settings.logging.log_prompt
Enable prompt logging.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/tabbyapi.nix>

services.tabbyapi.settings.logging.log_requests
Enable request logging. Only use for debug.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/tabbyapi.nix>

services.tabbyapi.settings.model.cache_mode
Cache mode for VRAM savings. ExLlamaV2: FP16, Q8, Q6, Q4. ExLlamaV3: specific pair string (e.g., '8,8').

Type: string

Default:

```
"FP16"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/tabbyapi.nix>

services.tabbyapi.settings.model.dummy_model_names
List of fake model names sent via the /v1/models endpoint.

Type: list of string

Default:

```
[
  "gpt-3.5-turbo"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/tabbyapi.nix>

services.tabbyapi.settings.model.gpu_split_auto
Automatically allocate resources to GPUs.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/tabbyapi.nix>

services.tabbyapi.settings.model.max_seq_len
Max sequence length. Set null to use model defaults.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/tabbyapi.nix>

services.tabbyapi.settings.model.model_dir
Directory to look for models. Relative to the state directory.

Type: string

Default:

```
"models"
```

Example:

```
(pkgs.linkFarm "models" {
  qwen-8b = pkgs.fetchgit {
```

```
      url = "https://huggingface.co/turboderp/Qwen3-VL-8B-Instruct \
-exl3";
      rev = "652ab6be95b3e2880e78d87269013d98ca9c392d"; # 4bpw
      fetchLFS = true;
      hash = "sha256-n+9Mt7EZ3XHM0w8oGUZr4EBz91EFyp1VBpvl9Php/QM=";
    };
    # Example for patching Qwen 3.5's template to work with OpenWebUI \
's thinking feature
    Qwen3_5-9B = pkgs.applyPatches {
      src = pkgs.fetchgit {
        url = "https://huggingface.co/turboderp/Qwen3.5-9B-exl3";
        rev = "6f8763307a3130ae989269fbc79a8c8e9db5ee42"; # 5.0bpw
        fetchLFS = true;
        hash = "sha256-Y7Uw/MChXU0Iu9hb3dv+cTtNBwhPbd/I/gYDUjM1j8g=" \
;
      };
      patches = [ ./qwen-thinking.patch ];
    };
    # diff --git a/chat_template.jinja b/chat_template.jinja
    # index a585dec..68f1b6f 100644
    # --- a/chat_template.jinja
    # +++ b/chat_template.jinja
    # @@ -148,7 +148,5 @@
    #     {{- '<|im_start|>assistant\n' }}
    #     {%- if enable_thinking is defined and enable_thinking is f \
alse %}
    #         {{- '<think>\n\n</think>\n\n' }}
    # -    {%- else %}
    # -        {{- '<think>\n' }}
    #     {%- endif %}
    # {%- endif %}
    # \ No newline at end of file
  }).outPath;
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/tabbyapi.nix>

services.tabbyapi.settings.model.model_name

The initial model to load on startup. Must exist in model_dir.

Type: null or string

Default:

```
null
```

Example:

```
"Qwen3_5-9B"
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/tabbyapi.nix>

services.tabbyapi.settings.network.api_servers
Select API servers to enable. Options: OAI, Kobold.

Type: list of string

Default:

```
[
  "OAI"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/tabbyapi.nix>

services.tabbyapi.settings.network.disable_auth
Disable HTTP token authentication. WARNING: Vulnerable if exposed.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/tabbyapi.nix>

services.tabbyapi.settings.network.host
The IP to host on. Use 0.0.0.0 to expose on all adapters.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/tabbyapi.nix>

services.tabbyapi.settings.network.port
The port to host on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/tabbyapi.nix>

services.tahoe.introducers
The Tahoe introducers.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/tahoe.nix>

services.tahoe.introducers.<name>.package
The tahoelafs package to use.

Type: package

Default:

```
pkgs.tahoelafs
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/tahoe.nix>

services.tahoe.introducers.<name>.nickname
The nickname of this Tahoe introducer.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/tahoe.nix>

services.tahoe.introducers.<name>.tub.location
The external location that the introducer should listen on.

If specified, the port should be included.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/tahoe.nix>

services.tahoe.introducers.<name>.tub.port
The port on which the introducer will listen.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3458
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/tahoe.nix>

services.tahoe.nodes
The Tahoe nodes.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/tahoe.nix>

services.tahoe.nodes.<name>.package
The tahoelafs package to use.

Type: package

Default:

```
pkgs.tahoelafs
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/tahoe.nix>

services.tahoe.nodes.<name>.client.helper
The furl for a Tahoe helper node.

Like all furls, keep this safe and don’t share it.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/tahoe.nix>

services.tahoe.nodes.<name>.client.introducer
The furl for a Tahoe introducer node.

Like all furls, keep this safe and don’t share it.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/tahoe.nix>

services.tahoe.nodes.<name>.client.shares.happy
The number of distinct storage nodes required to store a file.

Type: signed integer

Default:

```
7
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/tahoe.nix>

services.tahoe.nodes.<name>.client.shares.needed
The number of shares required to reconstitute a file.

Type: signed integer

Default:

```
3
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/tahoe.nix>

services.tahoe.nodes.<name>.client.shares.total
The number of shares required to store a file.

Type: signed integer

Default:

```
10
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/tahoe.nix>

services.tahoe.nodes.<name>.helper.enable
Whether to enable helper service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/tahoe.nix>

services.tahoe.nodes.<name>.nickname
The nickname of this Tahoe node.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/tahoe.nix>

services.tahoe.nodes.<name>.sftpd.enable
Whether to enable SFTP service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/tahoe.nix>

services.tahoe.nodes.<name>.sftpd.accounts.file
Path to the accounts file.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/tahoe.nix>

services.tahoe.nodes.<name>.sftpd.accounts.url
URL of the accounts server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/tahoe.nix>

services.tahoe.nodes.<name>.sftpd.hostPrivateKeyFile
Path to the SSH host private key.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/tahoe.nix>

services.tahoe.nodes.<name>.sftpd.hostPublicKeyFile
Path to the SSH host public key.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/tahoe.nix>

services.tahoe.nodes.<name>.sftpd.port
The port on which the SFTP server will listen.

This is the correct setting to tweak if you want Tahoe's SFTP daemon to listen on a different port.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/tahoe.nix>

services.tahoe.nodes.<name>.storage.enable
Whether to enable storage service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/tahoe.nix>

services.tahoe.nodes.<name>.storage.reservedSpace
The amount of filesystem space to not use for storage.

Type: string

Default:

```
"1G"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/tahoe.nix>

services.tahoe.nodes.<name>.tub.location
The external location that the node should listen on.

This is the setting to tweak if there are multiple interfaces and you want to alter which interface Tahoe is advertising.

If specified, the port should be included.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/tahoe.nix>

services.tahoe.nodes.<name>.tub.port

The port on which the tub will listen.

This is the correct setting to tweak if you want Tahoe's storage system to listen on a different port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3457
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/tahoe.nix>

services.tahoe.nodes.<name>.web.port

The port on which the Web server will listen.

This is the correct setting to tweak if you want Tahoe's WUI to listen on a different port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3456
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/tahoe.nix>

services.tailscale.enable

Whether to enable Tailscale client daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/tailscale.nix>

services.tailscale.package

The tailscale package to use.

Type: package

Default:

```
pkgs.tailscale
```

Declared by:

<nixpkgs/nixos/modules/services/networking/tailscale.nix>

services.tailscale.authKeyFile

A file containing the auth key. Tailscale will be automatically started if provided.

Services that bind to Tailscale IPs should order using **systemd.services.<name>.after** 'tailscaled−auto-connect.service'.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/tailscale_key"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tailscale.nix>

services.tailscale.authKeyParameters
Extra parameters to pass after the auth key. See **https://tailscale.com/kb/1215/oauth-clients#registering-new-nodes-using-oauth-credentials**

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tailscale.nix>

services.tailscale.authKeyParameters.baseURL
Base URL for the Tailscale API.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tailscale.nix>

services.tailscale.authKeyParameters.ephemeral
Whether to register as an ephemeral node.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tailscale.nix>

services.tailscale.authKeyParameters.preauthorized
Whether to skip manual device approval.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tailscale.nix>

services.tailscale.derper.enable
Whether to enable Tailscale Derper. See upstream doc **https://tailscale.com/kb/1118/custom-derp-servers** how to configure it on clients.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tailscale−derper.nix>

services.tailscale.derper.package
The derper package to use.

Type: package

Default:

```
pkgs.tailscale.derper
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tailscale−derper.nix>

services.tailscale.derper.configureNginx
Whether to enable nginx reverse proxy for derper. When enabled, nginx will proxy requests to the derper service.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tailscale−derper.nix>

services.tailscale.derper.domain
Domain name under which the derper server is reachable.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/tailscale−derper.nix>

services.tailscale.derper.openFirewall
Whether to open the firewall for the specified port. Derper requires the used ports to be opened, otherwise it doesn't work as expected.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tailscale−derper.nix>

services.tailscale.derper.port
The port the derper process will listen on. This is not the port tailscale will connect to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8010
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tailscale−derper.nix>

services.tailscale.derper.stunPort
STUN port to listen on. See online docs **https://tailscale.com/kb/1118/custom−derp−servers#prerequisites** on how to configure a different external port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3478
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tailscale−derper.nix>

services.tailscale.derper.verifyClients
Whether to verify clients against a locally running tailscale daemon if they are allowed to connect to this node or not.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tailscale−derper.nix>

services.tailscale.disableTaildrop
Whether to disable the Taildrop feature for sending files between nodes.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tailscale.nix>

services.tailscale.disableUpstreamLogging
Whether to disable Tailscaled from sending debug logging upstream.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tailscale.nix>

services.tailscale.extraDaemonFlags
Extra flags to pass to **tailscaled**.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "−−no−logs−no−support"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tailscale.nix>

services.tailscale.extraSetFlags
Extra flags to pass to **tailscale set**.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--advertise-exit-node"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tailscale.nix>

services.tailscale.extraUpFlags
Extra flags to pass to **tailscale up**. Only applied if **services.tailscale.authKeyFile** is specified.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--ssh"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tailscale.nix>

services.tailscale.interfaceName
The interface name for tunnel traffic. Use “userspace-networking” (beta) to not use TUN.

Type: string

Default:

```
"tailscale0"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tailscale.nix>

services.tailscale.openFirewall
Whether to open the firewall for the specified port.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tailscale.nix>

services.tailscale.permitCertUid
Username or user ID of the user allowed to to fetch Tailscale TLS certificates for the node.

Type: null or non-empty string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tailscale.nix>

services.tailscale.port
The port to listen on for tunnel traffic (0=autoselect).

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
41641
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tailscale.nix>

services.tailscale.serve.enable
Whether to enable Tailscale Serve configuration.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tailscale−serve.nix>

services.tailscale.serve.configFile
Path to a Tailscale Serve configuration file in JSON format. If set, this takes precedence over **services.tailscale.serve.services**.

See **https://tailscale.com/kb/1589/tailscale−services−configuration−file** for the configuration format.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/tailscale−serve.json"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tailscale−serve.nix>

services.tailscale.serve.services
Services to configure for Tailscale Serve.

Each attribute name should be the service name (without the ‘svc:’ prefix). The ‘svc:’ prefix will be added automatically.

See **https://tailscale.com/kb/1589/tailscale−services−configuration−file** for details.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  web−server = {
    endpoints = {
      "tcp:443" = "https://localhost:443";
    };
  };
  api = {
    endpoints = {
      "tcp:8080" = "http://localhost:8080";
    };
    advertised = true;
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tailscale−serve.nix>

services.tailscale.serve.services.<name>.advertised
Whether the service should accept new connections. Defaults to ‘true’ when not specified.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tailscale−serve.nix>

services.tailscale.serve.services.<name>.endpoints
Map of incoming traffic patterns to local targets.

Keys should be in the format ‘<protocol>:<port>’ or ‘<protocol>:<port−range>’. Currently only ‘tcp’ protocol is supported.

Values should be in the format ‘<protocol>://<host:port>’ where protocol is ‘http’, ‘https’, or ‘tcp’.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  "tcp:443" = "https://localhost:443";
  "tcp:8080" = "http://localhost:8080";
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tailscale−serve.nix>

services.tailscale.useRoutingFeatures
Enables settings required for Tailscale’s routing features like subnet routers and exit nodes.

To use these these features, you will still need to call ‘sudo tailscale up’ with the relevant flags like ‘−−advertise−exit−node’ and ‘−−exit−node’.

When set to ‘client’ or ‘both’, reverse path filtering will be set to loose instead of strict. When set to ‘server’ or ‘both’, IP forwarding will be enabled.

Type: one of “none”, “client”, “server”, “both”

Default:

```
"none"
```

Example:

```
"server"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tailscale.nix>

services.tailscaleAuth.enable
Whether to enable tailscale.nginx−auth, to authenticate users via tailscale.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tailscale−auth.nix>

services.tailscaleAuth.package
The tailscale−nginx−auth package to use.

Type: package

Default:

```
pkgs.tailscale−nginx−auth
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tailscale−auth.nix>

services.tailscaleAuth.group
Group which runs tailscale−nginx−auth

Type: string

Default:

```
"tailscale−nginx−auth"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tailscale−auth.nix>

services.tailscaleAuth.socketPath
Path of the socket listening to authorization requests.

Type: absolute path

Default:

```
"/run/tailscale−nginx−auth/tailscale−nginx−auth.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tailscale−auth.nix>

services.tailscaleAuth.user
User which runs tailscale−nginx−auth

Type: string

Default:

```
"tailscale−nginx−auth"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tailscale−auth.nix>

services.taler.exchange.enable
Whether to enable the GNU Taler exchange.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/finance/taler/exchange.nix>

services.taler.exchange.package
The taler−exchange package to use.

Type: package

Default:

```
pkgs.taler-exchange
```

Declared by:
<nixpkgs/nixos/modules/services/finance/taler/exchange.nix>

services.taler.exchange.debug
Whether to enable debug logging.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/finance/taler/exchange.nix>

services.taler.exchange.denominationConfig
This option configures the cash denomination for the coins that the exchange offers. For more information, consult the **upstream docs**.

You can either write these manually or you can use the 'taler−harness deployment gen−coin−config' command to generate it.

Warning: Do not modify existing denominations after deployment. Please see the upstream docs for how to safely do that.

Type: strings concatenated with "\n"

Default:

```
"None, you must set this yourself."
```

Example:

```
[COIN_KUDOS-n1-t1718140083]
VALUE = KUDOS:0.1
DURATION_WITHDRAW = 7 days
DURATION_SPEND = 2 years
DURATION_LEGAL = 6 years
FEE_WITHDRAW = KUDOS:0
FEE_DEPOSIT = KUDOS:0.1
FEE_REFRESH = KUDOS:0
FEE_REFUND = KUDOS:0
RSA_KEYSIZE = 2048
CIPHER = RSA
```

Declared by:
<nixpkgs/nixos/modules/services/finance/taler/exchange.nix>

services.taler.exchange.openFirewall
Whether to open ports in the firewall

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/finance/taler/exchange.nix>

services.taler.exchange.settings
Configuration options for the taler exchange config file.

For a list of all possible options, please see the man page ‘taler−exchange.conf(5)’

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/finance/taler/exchange.nix>

services.taler.exchange.settings.exchange.CURRENCY
The currency which the exchange will operate with. This cannot be changed later.

Type: non−empty string

Declared by:
<nixpkgs/nixos/modules/services/finance/taler/exchange.nix>

services.taler.exchange.settings.exchange.CURRENCY_ROUND_UNIT
Smallest amount in this currency that can be transferred using the underlying RTGS. For example: “EUR:0.01” or “JPY:1”

Type: string

Default:

```
"0.01 in {option}‘CURRENCY‘"
```

Declared by:
<nixpkgs/nixos/modules/services/finance/taler/exchange.nix>

services.taler.exchange.settings.exchange.DB
Plugin to use for the database.

Type: value “postgres” (singular enum)

Default:

```
"postgres"
```

Declared by:
<nixpkgs/nixos/modules/services/finance/taler/exchange.nix>

services.taler.exchange.settings.exchange.MASTER_PUBLIC_KEY
Used by the exchange to verify information signed by the offline system.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/finance/taler/exchange.nix>

services.taler.exchange.settings.exchange.PORT
Port on which the HTTP server listens.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8081
```

Declared by:
<nixpkgs/nixos/modules/services/finance/taler/exchange.nix>

services.taler.exchange.settings.exchangedb−postgres.CONFIG
Database connection URI.

Type: non−empty string

Default:

```
"postgres:///taler−exchange−httpd"
```

Declared by:
<nixpkgs/nixos/modules/services/finance/taler/exchange.nix>

services.taler.includes
Files to include into the config file using Taler's '@inline@' directive.

This allows including arbitrary INI files, including imperatively managed ones.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/finance/taler/module.nix>

services.taler.merchant.enable
Whether to enable the GNU Taler merchant.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/finance/taler/merchant.nix>

services.taler.merchant.package
The taler−merchant package to use.

Type: package

Default:

```
pkgs.taler−merchant
```

Declared by:
<nixpkgs/nixos/modules/services/finance/taler/merchant.nix>

services.taler.merchant.debug
Whether to enable debug logging.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/finance/taler/merchant.nix>

services.taler.merchant.openFirewall
Whether to open ports in the firewall

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/finance/taler/merchant.nix>

services.taler.merchant.settings
Configuration options for the taler merchant config file.

For a list of all possible options, please see the man page ‘taler−merchant.conf(5)’

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/finance/taler/merchant.nix>

services.taler.merchant.settings.merchant.DB
Plugin to use for the database.

Type: value “postgres” (singular enum)

Default:

```
"postgres"
```

Declared by:
<nixpkgs/nixos/modules/services/finance/taler/merchant.nix>

services.taler.merchant.settings.merchant.LEGAL_PRESERVATION
How long to keep data in the database for tax audits after the transaction has completed.

Type: string

Default:

```
"10 years"
```

Declared by:
<nixpkgs/nixos/modules/services/finance/taler/merchant.nix>

services.taler.merchant.settings.merchant.PORT

Port on which the HTTP server listens.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8083
```

Declared by:

<nixpkgs/nixos/modules/services/finance/taler/merchant.nix>

services.taler.merchant.settings.merchant.SERVE

Whether the HTTP server should listen on a UNIX domain socket (“unix”) or on a TCP socket (“tcp”).

Type: one of “tcp”, “unix”

Default:

```
"tcp"
```

Declared by:

<nixpkgs/nixos/modules/services/finance/taler/merchant.nix>

services.taler.merchant.settings.merchantdb−postgres.CONFIG

Database connection URI.

Type: non−empty string

Default:

```
"postgres:///taler−merchant−httpd"
```

Declared by:

<nixpkgs/nixos/modules/services/finance/taler/merchant.nix>

services.taler.runtimeDir

Runtime directory shared between the taler services.

Crypto helpers put their sockets here for instance and the httpd connects to them.

Type: string

Default:

```
"/run/taler−system−runtime/"
```

Declared by:

<nixpkgs/nixos/modules/services/finance/taler/module.nix>

services.taler.settings

Global configuration options for the taler config file.

For a list of all possible options, please see the man page ‘taler.conf(5)’

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/finance/taler/module.nix>

services.taler.settings.taler.CURRENCY

The currency which taler services will operate with. This cannot be changed later.

Type: non−empty string

Declared by:

<nixpkgs/nixos/modules/services/finance/taler/module.nix>

services.taler.settings.taler.CURRENCY_ROUND_UNIT

Smallest amount in this currency that can be transferred using the underlying RTGS.

You should probably not touch this.

Type: string

Default:

```
"${config.services.taler.settings.taler.CURRENCY}:0.01"
```

Declared by:

<nixpkgs/nixos/modules/services/finance/taler/module.nix>

services.tandoor−recipes.enable

Enable Tandoor Recipes.

When started, the Tandoor Recipes database is automatically created if it doesn't exist and updated if the package has changed. Both tasks are achieved by running a Django migration.

A script to manage the instance (by wrapping Django's manage.py) is linked to '/var/lib/tandoor−recipes/tandoor−recipes−manage'.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/tandoor−recipes.nix>

services.tandoor−recipes.package

The tandoor−recipes package to use.

Type: package

Default:

```
pkgs.tandoor−recipes
```

Declared by:

<nixpkgs/nixos/modules/services/misc/tandoor−recipes.nix>

services.tandoor−recipes.address

Web interface address.

Type: string

Default:

```
"localhost"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/tandoor−recipes.nix>

services.tandoor−recipes.database.createLocally
Configure local PostgreSQL database server for Tandoor Recipes.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tandoor−recipes.nix>

services.tandoor−recipes.extraConfig
Extra tandoor recipes config options.

See **the example dot−env file** for available options.

Type: attribute set

Default:

```
{ }
```

Example:

```
{
  ENABLE_SIGNUP = "1";
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tandoor−recipes.nix>

services.tandoor−recipes.group
Group under which Tandoor runs.

Type: string

Default:

```
"tandoor_recipes"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tandoor−recipes.nix>

services.tandoor−recipes.port
Web interface port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tandoor−recipes.nix>

services.tandoor−recipes.user
User account under which Tandoor runs.

Type: string

Default:

```
"tandoor_recipes"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tandoor−recipes.nix>

services.tang.enable

Whether to enable tang.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/security/tang.nix>

services.tang.package

The tang package to use.

Type: package

Default:

```
pkgs.tang
```

Declared by:

<nixpkgs/nixos/modules/services/security/tang.nix>

services.tang.ipAddressAllow

Whitelist a list of address prefixes. Preferably, internal addresses should be used.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "192.168.1.0/24"
]
```

Declared by:

<nixpkgs/nixos/modules/services/security/tang.nix>

services.tang.listenStream

Addresses and/or ports on which tang should listen. For detailed syntax see ListenStream in **systemd.socket**(5).

Type: list of string

Default:

```
[
  "7654"
]
```

Example:

```
[
  "198.168.100.1:7654"
  "[2001:db8::1]:7654"
  "7654"
]
```

Declared by:
<nixpkgs/nixos/modules/services/security/tang.nix>

services.target.enable
Whether to enable the kernel's LIO iscsi target.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/iscsi/target.nix>

services.target.config
Content of /etc/target/saveconfig.json This file is normally read and written by targetcli

Type: attribute set

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/iscsi/target.nix>

services.tarsnap.enable
Whether to enable periodic tarsnap backups.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/backup/tarsnap.nix>

services.tarsnap.package
The tarsnap package to use.

Type: package

Default:

```
pkgs.tarsnap
```

Declared by:
<nixpkgs/nixos/modules/services/backup/tarsnap.nix>

services.tarsnap.archives
Tarsnap archive configurations. Each attribute names an archive to be created at a given time interval, according to the options associated with it. When uploading to the tarsnap server, archive names are suffixed by a 1 second resolution timestamp, with the format '%Y%m%d%H%M%S'.

For each member of the set is created a timer which triggers the instanced 'tarsnap−archive−name' service unit. You may use **systemctl start tarsnap−archive−name** to manually trigger creation of 'archive−name' at any time.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  nixos =
    { directories = [ "/home" "/root/ssl" ];
    };
  gamedata =
    { directories = [ "/var/lib/minecraft" ];
      period      = "*:30";
    };
}
```

Declared by:
<nixpkgs/nixos/modules/services/backup/tarsnap.nix>

services.tarsnap.archives.<name>.aggressiveNetworking
Upload data over multiple TCP connections, potentially increasing tarsnap's bandwidth utilisation at the cost of slowing down all other network traffic. Not recommended unless TCP congestion is the dominant limiting factor.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/backup/tarsnap.nix>

services.tarsnap.archives.<name>.cachedir
The cache allows tarsnap to identify previously stored data blocks, reducing archival time and bandwidth usage.

Should the cache become desynchronized or corrupted, tarsnap will refuse to run until you manually rebuild the cache with **tarsnap --fsck**.

Set to 'null' to disable caching.

Type: null or absolute path

Default:

```
"/var/cache/tarsnap/${utils.escapeSystemdPath config.services.tarsn \
ap.archives.<name>.keyfile}"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/tarsnap.nix>

services.tarsnap.archives.<name>.checkpointBytes
Create a checkpoint every 'checkpointBytes' of uploaded data (optionally specified using an SI prefix).

1GB is the minimum value. A higher value is recommended, as checkpointing is expensive.

Set to 'null' to disable checkpointing.

Type: null or string

Default:

```
"1GB"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/tarsnap.nix>

services.tarsnap.archives.<name>.directories
List of filesystem paths to archive.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/backup/tarsnap.nix>

services.tarsnap.archives.<name>.excludes
Exclude files and directories matching these patterns.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/backup/tarsnap.nix>

services.tarsnap.archives.<name>.explicitSymlinks
Whether to follow symlinks specified as archives.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/backup/tarsnap.nix>

services.tarsnap.archives.<name>.followSymlinks
Whether to follow all symlinks in archive trees.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/backup/tarsnap.nix>

services.tarsnap.archives.<name>.includes
Include only files and directories matching these patterns (the empty list includes everything).

Exclusions have precedence over inclusions.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/backup/tarsnap.nix>

services.tarsnap.archives.<name>.keyfile

Set a specific keyfile for this archive. This defaults to ‘"/root/tarsnap.key"’ if left unspecified.

Use this option if you want to run multiple backups concurrently − each archive must have a unique key. You can generate a write−only key derived from your master key (which is recommended) using **tarsnap−keymgmt**(1).

Note: every archive must have an individual master key. You must generate multiple keys with **tarsnap−keygen**(1), and then generate write only keys from those.

The keyfile name should be given as a string and not a path, to avoid the key being copied into the Nix store.

Type: string

Default:

```
config.services.tarsnap.keyfile
```

Declared by:

<nixpkgs/nixos/modules/services/backup/tarsnap.nix>

services.tarsnap.archives.<name>.lowmem

Reduce memory consumption by not caching small files. Possibly beneficial if the average file size is smaller than 1 MB and the number of files is lower than the total amount of RAM in KB.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/backup/tarsnap.nix>

services.tarsnap.archives.<name>.maxbw

Abort archival if upstream bandwidth usage in bytes exceeds this threshold.

Type: null or signed integer

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/backup/tarsnap.nix>

services.tarsnap.archives.<name>.maxbwRateDown

Download bandwidth rate limit in bytes.

Type: null or signed integer

Default:

```
null
```

Example:

```
50 * 1000
```

Declared by:

<nixpkgs/nixos/modules/services/backup/tarsnap.nix>

services.tarsnap.archives.<name>.maxbwRateUp

Upload bandwidth rate limit in bytes.

Type: null or signed integer

Default:

```
null
```

Example:

```
25 * 1000
```

Declared by:

<nixpkgs/nixos/modules/services/backup/tarsnap.nix>

services.tarsnap.archives.<name>.nodump

Exclude files with the ‘nodump’ flag.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/backup/tarsnap.nix>

services.tarsnap.archives.<name>.period

Create archive at this interval.

The format is described in **systemd.time**(7).

Type: string

Default:

```
"01:15"
```

Example:

```
"hourly"
```

Declared by:

<nixpkgs/nixos/modules/services/backup/tarsnap.nix>

services.tarsnap.archives.<name>.printStats

Print global archive statistics upon completion. The output is available via **systemctl status tarsnap-archive-name**.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/backup/tarsnap.nix>

services.tarsnap.archives.<name>.verbose

Whether to produce verbose logging output.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/backup/tarsnap.nix>

services.tarsnap.archives.<name>.verylowmem
Reduce memory consumption by a factor of 2 beyond what 'lowmem' does, at the cost of significantly slowing down the archiving process.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/backup/tarsnap.nix>

services.tarsnap.keyfile
The keyfile which associates this machine with your tarsnap account. Create the keyfile with **tarsnap−keygen**.

Note that each individual archive (specified below) may also have its own individual keyfile specified. Tarsnap does not allow multiple concurrent backups with the same cache directory and key (starting a new backup will cause another one to fail). If you have multiple archives specified, you should either spread out your backups to be far apart, or specify a separate key for each archive. By default every archive defaults to using '"/root/tarsnap.key"'.

It's recommended for backups that you generate a key for every archive using **tarsnap−keygen**(1), and then generate a write−only tarsnap key using **tarsnap−keymgmt**(1), and keep your master key(s) for a particular machine off−site.

The keyfile name should be given as a string and not a path, to avoid the key being copied into the Nix store.

Type: string

Default:

```
"/root/tarsnap.key"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/tarsnap.nix>

services.taskchampion−sync−server.enable
Whether to enable TaskChampion Sync Server for Taskwarrior 3.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/taskchampion−sync−server.nix>

services.taskchampion−sync−server.package
The taskchampion−sync−server package to use.

Type: package

Default:

```
pkgs.taskchampion−sync−server
```

Declared by:
<nixpkgs/nixos/modules/services/misc/taskchampion-sync-server.nix>

services.taskchampion-sync-server.allowClientIds
Client IDs to allow (can be repeated; if not specified, all clients are allowed)

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/taskchampion-sync-server.nix>

services.taskchampion-sync-server.dataDir
Directory in which to store data

Type: absolute path

Default:

```
"/var/lib/taskchampion-sync-server"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/taskchampion-sync-server.nix>

services.taskchampion-sync-server.dynamicUser
Whether to use dynamic user

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/taskchampion-sync-server.nix>

services.taskchampion-sync-server.group
Unix Group to run the server under

Type: string

Default:

```
"taskchampion"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/taskchampion-sync-server.nix>

services.taskchampion-sync-server.host
Host address on which to serve

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/taskchampion-sync-server.nix>

services.taskchampion−sync−server.openFirewall
Whether to enable Open firewall port for taskchampion−sync−server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/taskchampion−sync−server.nix>

services.taskchampion−sync−server.port
Port on which to serve

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
10222
```

Declared by:
<nixpkgs/nixos/modules/services/misc/taskchampion−sync−server.nix>

services.taskchampion−sync−server.snapshot.days
Target number of days between snapshots

Type: positive integer, meaning >0

Default:

```
14
```

Declared by:
<nixpkgs/nixos/modules/services/misc/taskchampion−sync−server.nix>

services.taskchampion−sync−server.snapshot.versions
Target number of versions between snapshots

Type: positive integer, meaning >0

Default:

```
100
```

Declared by:
<nixpkgs/nixos/modules/services/misc/taskchampion−sync−server.nix>

services.taskchampion−sync−server.user
Unix User to run the server under

Type: string

Default:

```
"taskchampion"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/taskchampion−sync−server.nix>

services.taskserver.enable

Whether to enable the Taskwarrior 2 server.

More instructions about NixOS in conjunction with Taskserver can be found **in the NixOS manual**.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/taskserver>

services.taskserver.allowedClientIDs

A list of regular expressions that are matched against the reported client id (such as ‘task 2.3.0’).

The values ‘all’ or ‘none’ have special meaning. Overridden by any entry in the option **services.taskserver.disallowedClientIDs**.

Type: string or list of string

Default:

```
[ ]
```

Example:

```
[
  "[Tt]ask [2-9]+"
]
```

Declared by:

<nixpkgs/nixos/modules/services/misc/taskserver>

services.taskserver.ciphers

List of GnuTLS ciphers to use. See the GnuTLS documentation about priority strings at **https://gnutls.org/manual/html_node/Priority-Strings.html** for full details.

Type: null or strings concatenated with “:”

Default:

```
null
```

Example:

```
"NORMAL:-VERS-SSL3.0"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/taskserver>

services.taskserver.config

Configuration options to pass to Taskserver.

The options here are the same as described in **taskdrc**(5) from the ‘taskwarrior2’ package, but with one difference:

The ‘server’ option is ‘server.listen’ here, because the ‘server’ option would collide with other options like ‘server.cert’ and we would run in a type error (attribute set versus string).

Nix types like integers or booleans are automatically converted to the right values Taskserver would expect.

Type: attribute set

Default:

```
{ }
```

Example:

```
{
  client = {
    cert = "/tmp/debugging.cert";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/taskserver>

services.taskserver.confirmation
Determines whether certain commands are confirmed.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/taskserver>

services.taskserver.dataDir
Data directory for Taskserver.

Type: absolute path

Default:

```
"/var/lib/taskserver"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/taskserver>

services.taskserver.debug
Logs debugging information.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/taskserver>

services.taskserver.disallowedClientIDs
A list of regular expressions that are matched against the reported client id (such as ‘task 2.3.0’).

The values ‘all’ or ‘none’ have special meaning. Any entry here overrides those in **services.taskserver.allowedClientIDs**.

Type: string or list of string

Default:

```
[ ]
```

Example:

```
[
  "[Tt]ask [2-9]+"
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/taskserver>

services.taskserver.extensions
Fully qualified path of the Taskserver extension scripts. Currently there are none.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/taskserver>

services.taskserver.fqdn
The fully qualified domain name of this server, which is also used as the common name in the certificates.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/taskserver>

services.taskserver.group
Group for Taskserver.

Type: string

Default:

```
"taskd"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/taskserver>

services.taskserver.ipLog
Logs the IP addresses of incoming requests.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/taskserver>

services.taskserver.listenHost
The address (IPv4, IPv6 or DNS) to listen on.

Type: string

Default:

```
"localhost"
```

Example:

```
"::"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/taskserver>

services.taskserver.listenPort

Port number of the Taskserver.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
53589
```

Declared by:

<nixpkgs/nixos/modules/services/misc/taskserver>

services.taskserver.openFirewall

Whether to open the firewall for the specified Taskserver port.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/taskserver>

services.taskserver.organisations

An attribute set where the keys name the organisation and the values are a set of lists of **users** and **groups**.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  myShinyOrganisation = {
    groups = [
      "staff"
      "outsiders"
    ];
    users = [
      "alice"
      "bob"
    ];
  };
  yetAnotherOrganisation = {
    users = [
      "foo"
      "bar"
    ];
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/misc/taskserver>

services.taskserver.organisations.<name>.groups

A list of group names that belong to the organization.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "workers"
  "slackers"
]
```

Declared by:

<nixpkgs/nixos/modules/services/misc/taskserver>

services.taskserver.organisations.<name>.users

A list of user names that belong to the organization.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "alice"
  "bob"
]
```

Declared by:

<nixpkgs/nixos/modules/services/misc/taskserver>

services.taskserver.pki.auto.bits

The bit size for generated keys.

> **Note**
> This option is for the automatically handled CA and will be ignored if any of the **services.taskserver.pki.manual.*** options are set.

Type: signed integer

Default:

```
4096
```

Example:

```
2048
```

Declared by:

<nixpkgs/nixos/modules/services/misc/taskserver>

services.taskserver.pki.auto.expiration.ca

The expiration time of the CA certificate in days or ‘null’ for no expiration time.

> **Note**
> This option is for the automatically handled CA and will be ignored if any of the **services.taskserver.pki.manual.*** options are set.

Type: null or signed integer

Default:

```
null
```

Example:

```
365
```

Declared by:
<nixpkgs/nixos/modules/services/misc/taskserver>

services.taskserver.pki.auto.expiration.client
The expiration time of client certificates in days or ‘null’ for no expiration time.

Note
This option is for the automatically handled CA and will be ignored if any of the **services.taskserver.pki.manual.*** options are set.

Type: null or signed integer

Default:

```
null
```

Example:

```
365
```

Declared by:
<nixpkgs/nixos/modules/services/misc/taskserver>

services.taskserver.pki.auto.expiration.crl
The expiration time of the certificate revocation list (CRL) in days or ‘null’ for no expiration time.

Note
This option is for the automatically handled CA and will be ignored if any of the **services.taskserver.pki.manual.*** options are set.

Type: null or signed integer

Default:

```
null
```

Example:

```
365
```

Declared by:
<nixpkgs/nixos/modules/services/misc/taskserver>

services.taskserver.pki.auto.expiration.server
The expiration time of the server certificate in days or ‘null’ for no expiration time.

Note
This option is for the automatically handled CA and will be ignored if any of the **services.taskserver.pki.manual.*** options are set.

Type: null or signed integer

Default:

```
null
```

Example:

```
365
```

Declared by:
<nixpkgs/nixos/modules/services/misc/taskserver>

services.taskserver.pki.manual.ca.cert
Fully qualified path to the CA certificate.

Note
Setting this option will prevent automatic CA creation and handling.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/taskserver>

services.taskserver.pki.manual.server.cert
Fully qualified path to the server certificate.

Note
Setting this option will prevent automatic CA creation and handling.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/taskserver>

services.taskserver.pki.manual.server.crl
Fully qualified path to the server certificate revocation list.

Note
Setting this option will prevent automatic CA creation and handling.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/taskserver>

services.taskserver.pki.manual.server.key
Fully qualified path to the server key.

Note
Setting this option will prevent automatic CA creation and handling.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/misc/taskserver>

services.taskserver.queueSize
Size of the connection backlog, see **listen**(2).

Type: signed integer

Default:

```
10
```

Declared by:
<nixpkgs/nixos/modules/services/misc/taskserver>

services.taskserver.requestLimit
Size limit of incoming requests, in bytes.

Type: signed integer

Default:

```
1048576
```

Declared by:
<nixpkgs/nixos/modules/services/misc/taskserver>

services.taskserver.trust
Determines how client certificates are validated.

The value ‘allow all’ performs no client certificate validation. This is not recommended. The value ‘strict’ causes the client certificate to be validated against a CA.

Type: one of “allow all”, “strict”

Default:

```
"strict"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/taskserver>

services.taskserver.user
User for Taskserver.

Type: string

Default:

```
"taskd"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/taskserver>

services.tautulli.enable
Whether to enable Tautulli Plex Monitor.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tautulli.nix>

services.tautulli.package
The tautulli package to use.

Type: package

Default:

```
pkgs.tautulli
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tautulli.nix>

services.tautulli.configFile
The location of Tautulli's config file.

Type: string

Default:

```
"/var/lib/plexpy/config.ini"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tautulli.nix>

services.tautulli.dataDir
The directory where Tautulli stores its data files.

Type: string

Default:

```
"/var/lib/plexpy"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tautulli.nix>

services.tautulli.group
Group under which Tautulli runs.

Type: string

Default:

```
"nogroup"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tautulli.nix>

services.tautulli.openFirewall
Open ports in the firewall for Tautulli.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tautulli.nix>

services.tautulli.port
TCP port where Tautulli listens.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8181
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tautulli.nix>

services.tautulli.user
User account under which Tautulli runs.

Type: string

Default:

```
"plexpy"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tautulli.nix>

services.tayga.enable
Whether to enable Tayga.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tayga.nix>

services.tayga.package
The tayga package to use.

Type: package

Default:

```
pkgs.tayga
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tayga.nix>

services.tayga.dataDir
Directory for persistent data.

Type: absolute path

Default:

```
"/var/lib/tayga"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tayga.nix>

services.tayga.ipv4
IPv4−specific configuration.

Type: submodule

Example:

```
{
  address = "192.0.2.0";
  router = {
    address = "192.0.2.1";
  };
  pool = {
    address = "192.0.2.1";
```

```
    prefixLength = 24;
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tayga.nix>

services.tayga.ipv4.address
The source IPv4 address of the TAYGA server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tayga.nix>

services.tayga.ipv4.pool
The pool of IPv4 addresses which are used for translation.

Type: null or (submodule)

Declared by:
<nixpkgs/nixos/modules/services/networking/tayga.nix>

services.tayga.ipv4.pool.address
IPv4 address.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/tayga.nix>

services.tayga.ipv4.pool.prefixLength
Subnet mask of the interface, specified as the number of bits in the prefix (“24”).

Type: integer between 0 and 32 (both inclusive)

Declared by:
<nixpkgs/nixos/modules/services/networking/tayga.nix>

services.tayga.ipv4.router.address
The IPv4 address of the router.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/tayga.nix>

services.tayga.ipv6
IPv6−specific configuration.

Type: submodule

Example:

```
{
  address = "2001:db8::1";
  router = {
    address = "64:ff9b::1";
  };
  pool = {
    address = "64:ff9b::";
    prefixLength = 96;
```

```
    };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tayga.nix>

services.tayga.ipv6.address
The source IPv6 address of the TAYGA server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tayga.nix>

services.tayga.ipv6.pool
The pool of IPv6 addresses which are used for translation.

Type: null or (submodule)

Declared by:
<nixpkgs/nixos/modules/services/networking/tayga.nix>

services.tayga.ipv6.pool.address
IPv6 address.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/tayga.nix>

services.tayga.ipv6.pool.prefixLength
Subnet mask of the interface, specified as the number of bits in the prefix (“64”).

Type: integer between 0 and 128 (both inclusive)

Declared by:
<nixpkgs/nixos/modules/services/networking/tayga.nix>

services.tayga.ipv6.router.address
The IPv6 address of the router.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/tayga.nix>

services.tayga.log
Packet errors to log (drop, reject, icmp, self)

Type: list of string

Default:

```
[ ]
```

Example:

```
[ "drop" "reject" "icmp" "self" ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tayga.nix>

services.tayga.mappings

Static IPv4 −> IPv6 host mappings.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  "192.168.5.42" = "2001:db8:1:4444::1";
  "192.168.5.43" = "2001:db8:1:4444::2";
  "192.168.255.2" = "2001:db8:1:569::143";
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/tayga.nix>

services.tayga.tunDevice

Name of the nat64 tun device.

Type: string

Default:

```
"nat64"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/tayga.nix>

services.tayga.wkpfStrict

Enable restrictions on the use of the well−known prefix (64:ff9b::/96) − prevents translation of non−global IPv4 ranges when using the well−known prefix. Must be enabled for RFC 6052 compatibility.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/tayga.nix>

services.tcsd.enable

Whether to enable tcsd, a Trusted Computing management service that provides TCG Software Stack (TSS). The tcsd daemon is the only portal to the Trusted Platform Module (TPM), a hardware chip on the motherboard.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/tcsd.nix>

services.tcsd.conformanceCred

Path to the conformance credential for your TPM. See also the platformCred option

Type: absolute path

Default:

```
"${config.services.tcsd.stateDir}/conformance.cert"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/tcsd.nix>

services.tcsd.endorsementCred
Path to the endorsement credential for your TPM. See also the platformCred option

Type: absolute path

Default:

```
"${config.services.tcsd.stateDir}/endorsement.cert"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/tcsd.nix>

services.tcsd.firmwarePCRs
PCR indices used in the TPM for firmware measurements.

Type: string

Default:

```
"0,1,2,3,4,5,6,7"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/tcsd.nix>

services.tcsd.group
Group account under which tcsd runs.

Type: string

Default:

```
"tss"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/tcsd.nix>

services.tcsd.kernelPCRs
PCR indices used in the TPM for kernel measurements.

Type: string

Default:

```
"8,9,10,11,12"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/tcsd.nix>

services.tcsd.platformCred
Path to the platform credential for your TPM. Your TPM manufacturer may have provided you with a set of credentials (certificates) that should be used when creating identities using your TPM. When a user of your TPM makes an identity, this credential will be encrypted as part of that process. See the 1.1b TPM Main specification section 9.3 for information on this process.

Type: absolute path

Default:

```
"${config.services.tcsd.stateDir}/platform.cert"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/tcsd.nix>

services.tcsd.stateDir

The location of the system persistent storage file. The system persistent storage file holds keys and data across restarts of the TCSD and system reboots.

Type: absolute path

Default:

```
"/var/lib/tpm"
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/tcsd.nix>

services.tcsd.user

User account under which tcsd runs.

Type: string

Default:

```
"tss"
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/tcsd.nix>

services.tdarr.enable

Whether to enable Tdarr. This is a convenience option that enables both the server and all configured nodes. For more granular control, use **services.tdarr.server.enable** and configure nodes individually.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/tdarr>

services.tdarr.package

The tdarr package to use.

Type: package

Default:

```
pkgs.tdarr
```

Declared by:

<nixpkgs/nixos/modules/services/misc/tdarr>

services.tdarr.dataDir

Base directory for Tdarr data.

Type: absolute path

Default:

```
"/var/lib/tdarr"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/tdarr>

services.tdarr.group

Group under which Tdarr runs.

Type: string

Default:

```
"tdarr"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/tdarr>

services.tdarr.nodes

Attribute set of Tdarr processing nodes to run on this machine.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/misc/tdarr/node.nix>

services.tdarr.nodes.<name>.enable

Whether to enable this Tdarr node.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/tdarr/node.nix>

services.tdarr.nodes.<name>.package

Package to use for this Tdarr node.

Type: package

Default:

```
config.services.tdarr.package.node
```

Declared by:

<nixpkgs/nixos/modules/services/misc/tdarr/node.nix>

services.tdarr.nodes.<name>.cronPluginUpdate

Cron expression for automatic plugin updates. Empty string disables.

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/misc/tdarr/node.nix>

services.tdarr.nodes.<name>.dataDir

Data directory for this node.

Type: absolute path

Default:

```
"${config.services.tdarr.dataDir}/nodes/${name}"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/tdarr/node.nix>

services.tdarr.nodes.<name>.environmentFile

File containing environment variable overrides for this node, in the format accepted by systemd's 'EnvironmentFile'.

Useful for passing secrets like 'apiKey' without putting them in the Nix store.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/tdarr-node-env"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/tdarr/node.nix>

services.tdarr.nodes.<name>.maxLogSizeMB

Maximum log file size in megabytes.

Type: unsigned integer, meaning >=0

Default:

```
10
```

Declared by:

<nixpkgs/nixos/modules/services/misc/tdarr/node.nix>

services.tdarr.nodes.<name>.name

Display name for this node in the Tdarr web UI.

Type: string

Default:

```
"${config.networking.hostName}-${name}"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/tdarr/node.nix>

services.tdarr.nodes.<name>.pathTranslators

Path translations between server and node for cross-platform or cross-mount-point file access.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  { server = "/media"; node = "/mnt/media"; }
  { server = "/cache"; node = "/mnt/cache"; }
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tdarr/node.nix>

services.tdarr.nodes.<name>.pathTranslators.*.node
Node−side path for path translation.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/misc/tdarr/node.nix>

services.tdarr.nodes.<name>.pathTranslators.*.server
Server−side path for path translation.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/misc/tdarr/node.nix>

services.tdarr.nodes.<name>.pollInterval
How often the node checks the server for work, in milliseconds.

Type: unsigned integer, meaning >=0

Default:

```
2000
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tdarr/node.nix>

services.tdarr.nodes.<name>.priority
Node priority for job assignment.

‘−1’ means no priority. ‘0’ is the highest priority, ‘1’ is next, and so on.

Type: signed integer

Default:

```
-1
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tdarr/node.nix>

services.tdarr.nodes.<name>.serverURL
Full URL of the Tdarr server this node connects to.

This is the recommended way to specify the server location. When running a local server, the default value is correct.

Type: string

Default:

```
"http://127.0.0.1:${toString config.services.tdarr.server.serverPor \
t}"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tdarr/node.nix>

services.tdarr.nodes.<name>.startPaused
Whether the node starts in a paused state.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tdarr/node.nix>

services.tdarr.nodes.<name>.type
Node type.

- 'mapped': Node accesses files directly from the library paths.
- 'unmapped': Node receives files over the network API.

Type: one of "mapped", "unmapped"

Default:

```
"mapped"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tdarr/node.nix>

services.tdarr.nodes.<name>.workers.healthcheckCPU
Number of CPU healthcheck workers. Can be overridden in the web UI.

Type: unsigned integer, meaning >=0

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tdarr/node.nix>

services.tdarr.nodes.<name>.workers.healthcheckGPU
Number of GPU healthcheck workers. Can be overridden in the web UI.

Type: unsigned integer, meaning >=0

Default:

Declared by:
<nixpkgs/nixos/modules/services/misc/tdarr/node.nix>

services.tdarr.nodes.<name>.workers.transcodeCPU
Number of CPU transcode workers. Can be overridden in the web UI.

Type: unsigned integer, meaning >=0

Default:

```
2
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tdarr/node.nix>

services.tdarr.nodes.<name>.workers.transcodeGPU
Number of GPU transcode workers. Can be overridden in the web UI.

Type: unsigned integer, meaning >=0

Default:

Declared by:
<nixpkgs/nixos/modules/services/misc/tdarr/node.nix>

services.tdarr.server.enable
Whether to enable Tdarr server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tdarr/server.nix>

services.tdarr.server.package
Package to use for the Tdarr server.

Type: package

Default:

```
config.services.tdarr.package.server
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tdarr/server.nix>

services.tdarr.server.auth.enable
Whether to enable authentication for the Tdarr web UI and API.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tdarr/server.nix>

services.tdarr.server.cronPluginUpdate
Cron expression for automatic plugin updates. Empty string disables.

Type: string

Default:

```
""
```

Example:

```
"0 2 * * *"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tdarr/server.nix>

services.tdarr.server.environmentFile
File containing environment variable overrides for the server, in the format accepted by systemd's 'EnvironmentFile'.

Useful for setting secrets such as 'authSecretKey' or 'seededApiKey' without exposing them in the Nix store.

Example file contents:

```
authSecretKey=your-secret-key
seededApiKey=tapi_your_api_key_here
```

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/tdarr-server-env"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tdarr/server.nix>

services.tdarr.server.maxLogSizeMB
Maximum log file size in megabytes.

Type: unsigned integer, meaning >=0

Default:

```
10
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tdarr/server.nix>

services.tdarr.server.openFirewall
Whether to open the firewall for the Tdarr server web UI and API ports.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tdarr/server.nix>

services.tdarr.server.serverBindIP
Whether to bind to the specific IP in **services.tdarr.server.serverIP**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tdarr/server.nix>

services.tdarr.server.serverDualStack
Enable dual−stack (IPv4/IPv6) networking.

When enabled, the server binds to '::' if IPv6 is available, accepting both IPv4 and IPv6 connections. Useful in Kubernetes and other modern networking setups.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tdarr/server.nix>

services.tdarr.server.serverIP
IP address the server binds to.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tdarr/server.nix>

services.tdarr.server.serverPort

Port for server API communication.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8266
```

Declared by:

<nixpkgs/nixos/modules/services/misc/tdarr/server.nix>

services.tdarr.server.webUIPort

Port for the Tdarr web UI.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8265
```

Declared by:

<nixpkgs/nixos/modules/services/misc/tdarr/server.nix>

services.tdarr.user

User account under which Tdarr runs.

Type: string

Default:

```
"tdarr"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/tdarr>

services.teamspeak3.enable

Whether to run the Teamspeak3 voice communication server daemon.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/teamspeak3.nix>

services.teamspeak3.dataDir

Directory to store TS3 database and other state/data files.

Type: absolute path

Default:

```
"/var/lib/teamspeak3-server"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/teamspeak3.nix>

services.teamspeak3.defaultVoicePort

Default UDP port for clients to connect to virtual servers − used for first virtual server, subsequent ones will open on incrementing port numbers by default.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9987
```

Declared by:
<nixpkgs/nixos/modules/services/networking/teamspeak3.nix>

services.teamspeak3.fileTransferIP
IP on which the server instance will listen for incoming file transfer connections. Defaults to any IP.

Type: null or string

Default:

```
null
```

Example:

```
"[::]"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/teamspeak3.nix>

services.teamspeak3.fileTransferPort
TCP port opened for file transfers.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
30033
```

Declared by:
<nixpkgs/nixos/modules/services/networking/teamspeak3.nix>

services.teamspeak3.logPath
Directory to store log files in.

Type: absolute path

Default:

```
"/var/log/teamspeak3-server/"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/teamspeak3.nix>

services.teamspeak3.openFirewall
Open ports in the firewall for the TeamSpeak3 server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/teamspeak3.nix>

services.teamspeak3.openFirewallServerQuery
Open ports in the firewall for the TeamSpeak3 serverquery (administration) system. Requires openFirewall.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/teamspeak3.nix>

services.teamspeak3.queryHttpPort

TCP port opened for ServerQuery connections using the HTTP protocol.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
10080
```

Declared by:

<nixpkgs/nixos/modules/services/networking/teamspeak3.nix>

services.teamspeak3.queryIP

IP on which the server instance will listen for incoming ServerQuery connections. Defaults to any IP.

Type: null or string

Default:

```
null
```

Example:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/teamspeak3.nix>

services.teamspeak3.queryPort

TCP port opened for ServerQuery connections using the raw telnet protocol.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
10011
```

Declared by:

<nixpkgs/nixos/modules/services/networking/teamspeak3.nix>

services.teamspeak3.querySshPort

TCP port opened for ServerQuery connections using the SSH protocol.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
10022
```

Declared by:

<nixpkgs/nixos/modules/services/networking/teamspeak3.nix>

services.teamspeak3.voiceIP

IP on which the server instance will listen for incoming voice connections. Defaults to any IP.

Type: null or string

Default:

```
null
```

Example:

```
"[::]"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/teamspeak3.nix>

services.teamviewer.enable

Whether to enable TeamViewer daemon & system package.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/teamviewer.nix>

services.teamviewer.package

The teamviewer package to use.

Type: package

Default:

```
pkgs.teamviewer
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/teamviewer.nix>

services.technitium−dns−server.enable

Whether to enable Technitium DNS Server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/technitium−dns−server.nix>

services.technitium−dns−server.package

The technitium−dns−server package to use.

Type: package

Default:

```
pkgs.technitium-dns-server
```

Declared by:

<nixpkgs/nixos/modules/services/networking/technitium−dns−server.nix>

services.technitium−dns−server.firewallTCPPorts

List of TCP ports to open in firewall. You might want to open ports 443 and 853 if you intend to use DNS over HTTPS or DNS over TLS.

Type: list of signed integer

Default:

```
[
  53
  5380
  53443
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/technitium−dns−server.nix>

services.technitium−dns−server.firewallUDPPorts
List of UDP ports to open in firewall.

Type: list of signed integer

Default:

```
[
  53
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/technitium−dns−server.nix>

services.technitium−dns−server.openFirewall
Whether to open ports in the firewall. Standard ports are 53 (UDP and TCP, for DNS), 5380 and 53443 (TCP, HTTP and HTTPS for web interface). Specify different or additional ports in options firewallUDP-Ports and firewallTCPPorts if necessary.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/technitium−dns−server.nix>

services.tee−supplicant.enable
Whether to enable OP−TEE userspace supplicant.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tee−supplicant>

services.tee−supplicant.package
The optee−client package to use.

Type: package

Default:

```
pkgs.optee−client
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tee−supplicant>

services.tee−supplicant.pluginPath
The directory where plugins will be loaded from on startup.

Type: absolute path

Default:

```
"/run/current−system/sw/lib/tee−supplicant/plugins"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tee−supplicant>

services.tee−supplicant.reeFsParentPath
The directory where the secure filesystem will be stored in the rich execution environment (REE FS).

Type: absolute path

Default:

```
"/var/lib/tee"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tee−supplicant>

services.tee−supplicant.trustedApplications
A list of full paths to trusted applications that will be loaded at runtime by tee−supplicant.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tee−supplicant>

services.teeworlds.enable
Whether to enable Teeworlds Server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/games/teeworlds.nix>

services.teeworlds.package
The teeworlds−server package to use.

Type: package

Default:

```
pkgs.teeworlds−server
```

Declared by:
<nixpkgs/nixos/modules/services/games/teeworlds.nix>

services.teeworlds.environmentFile
Environment file as defined in **systemd.exec**(5).

Secrets may be passed to the service without adding them to the world−readable Nix store, by specifying placeholder variables as the option value in Nix and setting these variables accordingly in the environment file.

```
# snippet of teeworlds−related config
services.teeworlds.password = "$TEEWORLDS_PASSWORD";

# content of the environment file
TEEWORLDS_PASSWORD=verysecretpassword
```

Note that this file needs to be available on the host on which ‘teeworlds’ is running.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/lib/teeworlds/teeworlds.env"
```

Declared by:
<nixpkgs/nixos/modules/services/games/teeworlds.nix>

services.teeworlds.extraOptions
Extra configuration lines for the *teeworlds.cfg*. See **Teeworlds Documentation**.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "sv_map dm1"
  "sv_gametype dm"
]
```

Declared by:
<nixpkgs/nixos/modules/services/games/teeworlds.nix>

services.teeworlds.game.enablePowerups
Whether to allow powerups such as the ninja.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/games/teeworlds.nix>

services.teeworlds.game.enableReadyMode
Whether to enable “ready mode”; where players can pause/unpause the game and start the game in warmup, using their ready state.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/games/teeworlds.nix>

services.teeworlds.game.enableTeamDamage
Whether to enable team damage; whether to allow team mates to inflict damage on one another.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/games/teeworlds.nix>

services.teeworlds.game.enableVoteKick
Whether to enable voting to kick players.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/games/teeworlds.nix>

services.teeworlds.game.gameType
The game type to use on the server.

The default gametypes are ‘dm’, ‘tdm’, ‘ctf’, ‘lms’, and ‘lts’.

Type: string

Default:

```
"dm"
```

Example:

```
"ctf"
```

Declared by:
<nixpkgs/nixos/modules/services/games/teeworlds.nix>

services.teeworlds.game.map
The map to use on the server.

Type: string

Default:

```
"dm1"
```

Example:

```
"ctf5"
```

Declared by:
<nixpkgs/nixos/modules/services/games/teeworlds.nix>

services.teeworlds.game.playerSlots
The amount of slots to reserve for players (as opposed to spectators).

Type: unsigned integer, meaning >=0

Default:

```
8
```

Declared by:
<nixpkgs/nixos/modules/services/games/teeworlds.nix>

services.teeworlds.game.restrictSpectators
Whether to restrict access to information such as health, ammo and armour in spectator mode.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/games/teeworlds.nix>

services.teeworlds.game.scoreLimit
The score limit needed to win a round.

Type: unsigned integer, meaning >=0

Default:

```
20
```

Example:

```
400
```

Declared by:
<nixpkgs/nixos/modules/services/games/teeworlds.nix>

services.teeworlds.game.swapTeams
Whether to swap teams each round.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/games/teeworlds.nix>

services.teeworlds.game.timeLimit
Time limit of the game. In cases of equal points, there will be sudden death. Setting this to 0 disables a time limit.

Type: unsigned integer, meaning >=0

Default:

Declared by:
<nixpkgs/nixos/modules/services/games/teeworlds.nix>

services.teeworlds.game.tournamentMode
Whether to enable tournament mode. In tournament mode, players join as spectators. If this is set to ‘restrictSpectators’, tournament mode is enabled but spectator chat is restricted.

Type: one of “disable”, “enable”, “restrictSpectators”

Default:

```
"disable"
```

Declared by:
<nixpkgs/nixos/modules/services/games/teeworlds.nix>

services.teeworlds.game.voteKickBanTime
The amount of minutes that a player is banned for if they get kicked by a vote.

Type: unsigned integer, meaning >=0

Default:

```
5
```

Declared by:
<nixpkgs/nixos/modules/services/games/teeworlds.nix>

services.teeworlds.game.voteKickMinimumPlayers

The minimum amount of players required to start a kick vote.

Type: unsigned integer, meaning >=0

Default:

```
5
```

Declared by:

<nixpkgs/nixos/modules/services/games/teeworlds.nix>

services.teeworlds.motd

The server's message of the day text.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/games/teeworlds.nix>

services.teeworlds.name

Name of the server.

Type: string

Default:

```
"unnamed server"
```

Declared by:

<nixpkgs/nixos/modules/services/games/teeworlds.nix>

services.teeworlds.openPorts

Whether to open firewall ports for Teeworlds.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/games/teeworlds.nix>

services.teeworlds.password

Password to connect to the server.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/games/teeworlds.nix>

services.teeworlds.port

Port the server will listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8303
```

Declared by:
<nixpkgs/nixos/modules/services/games/teeworlds.nix>

services.teeworlds.rconPassword
Password to access the remote console. If not set, a randomly generated one is displayed in the server log.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/games/teeworlds.nix>

services.teeworlds.register
Whether the server registers as a public server in the global server list. This is disabled by default for privacy reasons.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/games/teeworlds.nix>

services.teeworlds.server.enableHighBandwidth
Whether to enable high bandwidth mode on LAN servers. This will double the amount of bandwidth required for running the server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/games/teeworlds.nix>

services.teeworlds.server.enableSpamProtection
Whether to enable chat spam protection.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/games/teeworlds.nix>

services.teeworlds.server.bindAddr
The address the server will bind to.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/games/teeworlds.nix>

services.teeworlds.server.hostName
Hostname for the server.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/games/teeworlds.nix>

services.teeworlds.server.inactivePenalty
Specify what to do when a client goes inactive (see **services.teeworlds.server.inactiveTime**).

- ‘spectator’: send the client into spectator mode
- ‘spectator/kick’: send the client into a free spectator slot, otherwise kick the client
- ‘kick’: kick the client

Type: one of “spectator”, “spectator/kick”, “kick”

Default:

```
"spectator/kick"
```

Example:

```
"spectator"
```

Declared by:
<nixpkgs/nixos/modules/services/games/teeworlds.nix>

services.teeworlds.server.inactiveTime
The amount of minutes a client has to idle before it is considered inactive.

Type: unsigned integer, meaning >=0

Default:

```
3
```

Declared by:
<nixpkgs/nixos/modules/services/games/teeworlds.nix>

services.teeworlds.server.kickInactiveSpectators
Whether to kick inactive spectators.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/games/teeworlds.nix>

services.teeworlds.server.maxClients
The maximum amount of clients that can be connected to the server at the same time.

Type: unsigned integer, meaning >=0

Default:

```
12
```

Declared by:
<nixpkgs/nixos/modules/services/games/teeworlds.nix>

services.teeworlds.server.maxClientsPerIP
The maximum amount of clients with the same IP address that can be connected to the server at the same time.

Type: unsigned integer, meaning >=0

Default:

```
12
```

Declared by:
<nixpkgs/nixos/modules/services/games/teeworlds.nix>

services.teeworlds.server.skillLevel
The skill level shown in the server browser.

Type: one of “casual”, “normal”, “competitive”

Default:

```
"normal"
```

Declared by:
<nixpkgs/nixos/modules/services/games/teeworlds.nix>

services.telegraf.enable
Whether to enable telegraf server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/telegraf.nix>

services.telegraf.package
The telegraf package to use.

Type: package

Default:

```
pkgs.telegraf
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/telegraf.nix>

services.telegraf.environmentFiles
File to load as environment file. Environment variables from this file will be interpolated into the config file using envsubst with this syntax: ‘$ENVIRONMENT’ or ‘${VARIABLE}’. This is useful to avoid putting secrets into the nix store.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[
```

```
  "/run/keys/telegraf.env"
]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/telegraf.nix>

services.telegraf.extraConfig

Extra configuration options for telegraf

Type: TOML value

Default:

```
{ }
```

Example:

```
{
  inputs = {
    statsd = {
      delete_timings = true;
      service_address = ":8125";
    };
  };
  outputs = {
    influxdb = {
      database = "telegraf";
      urls = [
        "http://localhost:8086"
      ];
    };
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/telegraf.nix>

services.telepathy.enable

Whether to enable Telepathy service, a communications framework that enables real−time communication via pluggable protocol backends.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/desktops/telepathy.nix>

services.teleport.enable

Whether to enable the Teleport service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/teleport.nix>

services.teleport.package
The teleport package to use.

Type: package

Default:

```
pkgs.teleport
```

Example:

```
teleport_11
```

Declared by:
<nixpkgs/nixos/modules/services/networking/teleport.nix>

services.teleport.diag.enable
Whether to enable endpoints for monitoring purposes.

See **https://goteleport.com/docs/setup/admin/troubleshooting/#troubleshooting/** .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/teleport.nix>

services.teleport.diag.addr
Metrics and diagnostics address.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/teleport.nix>

services.teleport.diag.port
Metrics and diagnostics port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Declared by:
<nixpkgs/nixos/modules/services/networking/teleport.nix>

services.teleport.insecure.enable
Whether to enable starting teleport in insecure mode.

This is dangerous! Sensitive information will be logged to console and certificates will not be verified. Proceed with caution!

Teleport starts with disabled certificate validation on Proxy Service, validation still occurs on Auth Service .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/teleport.nix>

services.teleport.settings
Contents of the *teleport.yaml* config file. The '--config' arguments will only be passed if this set is not empty.

See **https://goteleport.com/docs/setup/reference/config/**.

Type: YAML 1.1 value

Default:

```
{ }
```

Example:

```
{
  teleport = {
    nodename = "client";
    advertise_ip = "192.168.1.2";
    auth_token = "60bdc117-8ff4-478d-95e4-9914597847eb";
    auth_servers = [ "192.168.1.1:3025" ];
    log.severity = "DEBUG";
  };
  ssh_service = {
    enabled = true;
    labels = {
      role = "client";
    };
  };
  proxy_service.enabled = false;
  auth_service.enabled = false;
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/teleport.nix>

services.tempo.enable
Whether to enable Grafana Tempo.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/tracing/tempo.nix>

services.tempo.configFile

Specify a path to a configuration file that Tempo should use.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/tracing/tempo.nix>

services.tempo.extraFlags

Additional flags to pass to the ‘ExecStart=’ in ‘tempo.service’.

Type: list of string

Default:

```
[ ]
```

Example:

```
[ "-config.expand-env=true" ]
```

Declared by:

<nixpkgs/nixos/modules/services/tracing/tempo.nix>

services.tempo.settings

Specify the configuration for Tempo in Nix.

See **https://grafana.com/docs/tempo/latest/configuration/** for available options.

Type: YAML 1.1 value

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/tracing/tempo.nix>

services.temporal.enable

Whether to enable Temporal.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/cluster/temporal/default.nix>

services.temporal.package

The Temporal package to use.

Type: package

Default:

```
pkgs.temporal
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/temporal/default.nix>

services.temporal.dataDir
Data directory for Temporal. If you change this, you need to manually create the directory. You also need to create the 'temporal' user and group, or change **services.temporal.user** and **services.temporal.group** to existing ones with access to the directory.

Type: absolute path

Default:

```
"/var/lib/temporal"
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/temporal/default.nix>

services.temporal.group
The group temporal runs as. Should be left at default unless you have very specific needs.

Type: string

Default:

```
"temporal"
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/temporal/default.nix>

services.temporal.restartIfChanged
Automatically restart the service on config change. This can be set to false to defer restarts on a server or cluster. Please consider the security implications of inadvertently running an older version, and the possibility of unexpected behavior caused by inconsistent versions across a cluster when disabling this option.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/temporal/default.nix>

services.temporal.settings
Temporal configuration.

See **https://docs.temporal.io/references/configuration** for more information about Temporal configuration options

Type: open submodule of (YAML 1.1 value)

Declared by:
<nixpkgs/nixos/modules/services/cluster/temporal/default.nix>

services.temporal.user
The user Temporal runs as. Should be left at default unless you have very specific needs.

Type: string

Default:

```
"temporal"
```

Declared by:
<nixpkgs/nixos/modules/services/cluster/temporal/default.nix>

services.terraria.enable

If enabled, starts a Terraria server. The server can be connected to via ‘tmux −S ${config.services.terraria.dataDir}/terraria.sock attach’ for administration by users who are a part of the ‘terraria’ group (use ‘C−b d’ shortcut to detach again).

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/games/terraria.nix>

services.terraria.package

The terraria package to use.

Type: package

Default:

```
pkgs.terraria-server
```

Declared by:

<nixpkgs/nixos/modules/services/games/terraria.nix>

services.terraria.autoCreatedWorldSize

Specifies the size of the auto−created world if ‘worldPath’ does not point to an existing world.

Type: one of “small”, “medium”, “large”

Default:

```
"medium"
```

Declared by:

<nixpkgs/nixos/modules/services/games/terraria.nix>

services.terraria.banListPath

The path to the ban list.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/games/terraria.nix>

services.terraria.dataDir

Path to variable state data directory for terraria.

Type: string

Default:

```
"/var/lib/terraria"
```

Example:

```
"/srv/terraria"
```

Declared by:

<nixpkgs/nixos/modules/services/games/terraria.nix>

services.terraria.maxPlayers

Sets the max number of players (between 1 and 255).

Type: 8 bit unsigned integer; between 0 and 255 (both inclusive)

Default:

```
255
```

Declared by:

<nixpkgs/nixos/modules/services/games/terraria.nix>

services.terraria.messageOfTheDay

Set the server message of the day text.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/games/terraria.nix>

services.terraria.noUPnP

Disables automatic Universal Plug and Play.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/games/terraria.nix>

services.terraria.openFirewall

Whether to open ports in the firewall

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/games/terraria.nix>

services.terraria.password

Sets the server password. Leave ‘null’ for no password.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/games/terraria.nix>

services.terraria.port

Specifies the port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
7777
```

Declared by:
<nixpkgs/nixos/modules/services/games/terraria.nix>

services.terraria.secure
Adds additional cheat protection to the server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/games/terraria.nix>

services.terraria.worldPath
The path to the world file (‘.wld’) which should be loaded. If no world exists at this path, one will be created with the size specified by ‘autoCreatedWorldSize’.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/games/terraria.nix>

services.tetrd.enable
Whether to enable tetrd.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tetrd.nix>

services.tftpd.enable
Whether to enable tftpd, a Trivial File Transfer Protocol server. The server will be run as an xinetd service.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tftpd.nix>

services.tftpd.path
Where the tftp server files are stored.

Type: absolute path

Default:

```
"/srv/tftp"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tftpd.nix>

services.thanos.package
The thanos package to use.

Type: package

Default:

```
pkgs.thanos
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.compact.enable
Whether to enable the Thanos compactor which continuously compacts blocks in an object store bucket.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.compact.arguments
Arguments to the ‘thanos compact’ command.

Defaults to a list of arguments formed by converting the structured options of **services.thanos.compact** to a list of arguments.

Overriding this option will cause none of the structured options to have any effect. So only set this if you know what you’re doing!

Type: list of string

Default: calculated from config.services.thanos.compact

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.compact.compact.concurrency
Number of goroutines to use when compacting groups.

Defaults to ‘1’ in Thanos when set to ‘null’.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.compact.consistency−delay
Minimum age of fresh (non−compacted) blocks before they are being processed. Malformed blocks older than the maximum of consistency−delay and 30m0s will be removed.

Defaults to ‘30m’ in Thanos when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.compact.downsampling.disable
Disables downsampling.

This is not recommended as querying long time ranges without non−downsampled data is not efficient and useful e.g it is not possible to render all samples for a human eye anyway

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.compact.http−address
Listen ‘host:port’ for HTTP endpoints.

Defaults to ‘0.0.0.0:10902’ in Thanos when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.compact.log.format
Log format to use.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.compact.log.level
Log filtering level.

Defaults to ‘info’ in Thanos when set to ‘null’.

Type: null or one of “debug”, “info”, “warn”, “error”, “fatal”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.compact.objstore.config
Object store configuration.

When not ‘null’ the attribute set gets converted to a YAML file and stored in the Nix store. The option **objstore.config−file** will default to its path.

If **objstore.config−file** is set this option has no effect.

See format details: **https://thanos.io/tip/thanos/storage.md/#configuring−access−to−object−storage**

Type: YAML 1.1 value

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.compact.objstore.config−file
Path to YAML file that contains object store configuration.

See format details: **https://thanos.io/tip/thanos/storage.md/#configuring−access−to−object−storage**

Type: null or string

Default:

```
if config.services.thanos.<cmd>.objstore.config == null then null
else toString (format.generate "objstore.yaml" config.services.than \
os.<cmd>.objstore.config);
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.compact.retention.resolution−1h
How long to retain samples of resolution 2 (1 hour) in bucket.

‘0d’ − disables this retention

Defaults to ‘0d’ in Thanos when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.compact.retention.resolution−5m
How long to retain samples of resolution 1 (5 minutes) in bucket.

‘0d’ − disables this retention

Defaults to ‘0d’ in Thanos when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.compact.retention.resolution−raw
How long to retain raw samples in bucket.

‘0d’ − disables this retention

Defaults to ‘0d’ in Thanos when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.compact.startAt
When this option is set to a ‘systemd.time’ specification the Thanos compactor will run at the specified period.

When this option is ‘null’ the Thanos compactor service will run continuously. So it will not exit after all compactions have been processed but wait for new work.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.compact.stateDir
Data directory relative to ‘/var/lib’ in which to cache blocks and process compactions.

Type: string

Default:

```
"thanos-compact"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.compact.tracing.config
Tracing configuration.

When not ‘null’ the attribute set gets converted to a YAML file and stored in the Nix store. The option **tracing.config-file** will default to its path.

If **tracing.config-file** is set this option has no effect.

See format details: **https://thanos.io/tip/thanos/tracing.md/#configuration**

Type: YAML 1.1 value

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.compact.tracing.config-file
Path to YAML file that contains tracing configuration.

See format details: **https://thanos.io/tip/thanos/tracing.md/#configuration**

Type: null or string

Default:

```
if config.services.thanos.<cmd>.tracing.config == null then null
else toString (format.generate "tracing.yaml" config.services.thano \
s.<cmd>.tracing.config);
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.downsample.enable

Whether to enable the Thanos downsampler which continuously downsamples blocks in an object store bucket.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.downsample.arguments

Arguments to the ‘thanos downsample’ command.

Defaults to a list of arguments formed by converting the structured options of **services.thanos.downsample** to a list of arguments.

Overriding this option will cause none of the structured options to have any effect. So only set this if you know what you’re doing!

Type: list of string

Default: calculated from config.services.thanos.downsample

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.downsample.log.format

Log format to use.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.downsample.log.level

Log filtering level.

Defaults to ‘info’ in Thanos when set to ‘null’.

Type: null or one of “debug”, “info”, “warn”, “error”, “fatal”

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.downsample.objstore.config

Object store configuration.

When not ‘null’ the attribute set gets converted to a YAML file and stored in the Nix store. The option **objstore.config−file** will default to its path.

If **objstore.config−file** is set this option has no effect.

See format details: **https://thanos.io/tip/thanos/storage.md/#configuring−access−to−object−storage**

Type: YAML 1.1 value

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.downsample.objstore.config−file
Path to YAML file that contains object store configuration.

See format details: **https://thanos.io/tip/thanos/storage.md/#configuring−access−to−object−storage**

Type: null or string

Default:

```
if config.services.thanos.<cmd>.objstore.config == null then null
else toString (format.generate "objstore.yaml" config.services.than \
os.<cmd>.objstore.config);
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.downsample.stateDir
Data directory relative to '/var/lib' in which to cache blocks and process downsamplings.

Type: string

Default:

```
"thanos−downsample"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.downsample.tracing.config
Tracing configuration.

When not 'null' the attribute set gets converted to a YAML file and stored in the Nix store. The option **tracing.config−file** will default to its path.

If **tracing.config−file** is set this option has no effect.

See format details: **https://thanos.io/tip/thanos/tracing.md/#configuration**

Type: YAML 1.1 value

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.downsample.tracing.config−file
Path to YAML file that contains tracing configuration.

See format details: **https://thanos.io/tip/thanos/tracing.md/#configuration**

Type: null or string

Default:

```
if config.services.thanos.<cmd>.tracing.config == null then null
else toString (format.generate "tracing.yaml" config.services.thano \
s.<cmd>.tracing.config);
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query.enable
Whether to enable the Thanos query node exposing PromQL enabled Query API with data retrieved from multiple store nodes.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query.arguments
Arguments to the ‘thanos query’ command.

Defaults to a list of arguments formed by converting the structured options of **services.thanos.query** to a list of arguments.

Overriding this option will cause none of the structured options to have any effect. So only set this if you know what you’re doing!

Type: list of string

Default: calculated from config.services.thanos.query

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query.endpoints
Addresses of statically configured Thanos API servers (repeatable).

The scheme may be prefixed with ‘dns+’ or ‘dnssrv+’ to detect Thanos API servers through respective DNS lookups.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query.grpc−address
Listen ‘ip:port’ address for gRPC endpoints (StoreAPI).

Make sure this address is routable from other components.

Defaults to ‘0.0.0.0:10901’ in Thanos when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query.grpc−client−server−name
Server name to verify the hostname on the returned gRPC certificates. See **https://tools.ietf.org/html/rfc4366#section−3.1**

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query.grpc−client−tls−ca
TLS CA Certificates to use to verify gRPC servers

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query.grpc−client−tls−cert
TLS Certificates to use to identify this client to the server

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query.grpc−client−tls−key
TLS Key for the client's certificate

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query.grpc−client−tls−secure
Use TLS when talking to the gRPC server

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query.grpc−compression
Compression algorithm to use for gRPC requests to other clients.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query.grpc−server−tls−cert
TLS Certificate for gRPC server, leave blank to disable TLS

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query.grpc−server−tls−client−ca
TLS CA to verify clients against.

If no client CA is specified, there is no client verification on server side. (tls.NoClientCert)

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query.grpc−server−tls−key
TLS Key for the gRPC server, leave blank to disable TLS

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query.http−address
Listen ‘host:port’ for HTTP endpoints.

Defaults to ‘0.0.0.0:10902’ in Thanos when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query.log.format
Log format to use.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query.log.level

Log filtering level.

Defaults to ‘info’ in Thanos when set to ‘null’.

Type: null or one of “debug”, “info”, “warn”, “error”, “fatal”

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query.query.auto−downsampling

Enable automatic adjustment (step / 5) to what source of data should be used in store gateways if no ‘max_source_resolution’ param is specified.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query.query.default−evaluation−interval

Set default evaluation interval for sub queries.

Defaults to ‘1m’ in Thanos when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query.query.max−concurrent

Maximum number of queries processed concurrently by query node.

Defaults to ‘20’ in Thanos when set to ‘null’.

Type: null or signed integer

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query.query.partial−response

Enable partial response for queries if no ‘partial_response’ param is specified.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query.query.replica−labels

Labels to treat as a replica indicator along which data is deduplicated.

Still you will be able to query without deduplication using ‘dedup=false’ parameter. Data includes time series, recording rules, and alerting rules.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query.query.timeout

Maximum time to process query by query node.

Defaults to ‘2m’ in Thanos when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query.selector−labels

Query selector labels that will be exposed in info endpoint.

Type: attribute set of string

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query.store.response−timeout

If a Store doesn’t send any data in this specified duration then a Store will be ignored and partial data will be returned if it’s enabled. ‘0’ disables timeout.

Defaults to ‘0ms’ in Thanos when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query.store.sd−dns−interval

Interval between DNS resolutions.

Defaults to ‘30s’ in Thanos when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query.store.sd−files
Path to files that contain addresses of store API servers. The path can be a glob pattern.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query.store.sd−interval
Refresh interval to re−read file SD files. It is used as a resync fallback.

Defaults to ‘5m’ in Thanos when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query.store.unhealthy−timeout
Timeout before an unhealthy store is cleaned from the store UI page.

Defaults to ‘5m’ in Thanos when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query.tracing.config
Tracing configuration.

When not ‘null’ the attribute set gets converted to a YAML file and stored in the Nix store. The option **tracing.config−file** will default to its path.

If **tracing.config−file** is set this option has no effect.

See format details: **https://thanos.io/tip/thanos/tracing.md/#configuration**

Type: YAML 1.1 value

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query.tracing.config−file
Path to YAML file that contains tracing configuration.

See format details: **https://thanos.io/tip/thanos/tracing.md/#configuration**

Type: null or string

Default:

```
if config.services.thanos.<cmd>.tracing.config == null then null
else toString (format.generate "tracing.yaml" config.services.thano \
s.<cmd>.tracing.config);
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query.web.external−prefix
Static prefix for all HTML links and redirect URLs in the UI query web interface.

Actual endpoints are still served on / or the **web.route−prefix**. This allows thanos UI to be served behind a reverse proxy that strips a URL sub−path.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query.web.prefix−header
Name of HTTP request header used for dynamic prefixing of UI links and redirects.

This option is ignored if the option ‘web.external−prefix’ is set.

Security risk: enable this option only if a reverse proxy in front of thanos is resetting the header.

The setting ‘web.prefix−header="X−Forwarded−Prefix"’ can be useful, for example, if Thanos UI is served via Traefik reverse proxy with ‘PathPrefixStrip’ option enabled, which sends the stripped prefix value in ‘X−Forwarded−Prefix’ header. This allows thanos UI to be served on a sub−path.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query.web.route−prefix
Prefix for API and UI endpoints.

This allows thanos UI to be served on a sub−path. This option is analogous to **web.route−prefix** of Promethus.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query−frontend.enable
Whether to enable the Thanos query frontend implements a service deployed in front of queriers to improve query parallelization and caching…

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query−frontend.arguments
Arguments to the ‘thanos query−frontend’ command.

Defaults to a list of arguments formed by converting the structured options of **services.thanos.query−frontend** to a list of arguments.

Overriding this option will cause none of the structured options to have any effect. So only set this if you know what you’re doing!

Type: list of string

Default: calculated from config.services.thanos.query−frontend

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query−frontend.grpc−address
Listen ‘ip:port’ address for gRPC endpoints (StoreAPI).

Make sure this address is routable from other components.

Defaults to ‘0.0.0.0:10901’ in Thanos when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query−frontend.grpc−server−tls−cert
TLS Certificate for gRPC server, leave blank to disable TLS

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query−frontend.grpc−server−tls−client−ca
TLS CA to verify clients against.

If no client CA is specified, there is no client verification on server side. (tls.NoClientCert)

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query−frontend.grpc−server−tls−key
TLS Key for the gRPC server, leave blank to disable TLS

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query−frontend.http−address
Listen ‘host:port’ for HTTP endpoints.

Defaults to ‘0.0.0.0:10902’ in Thanos when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query−frontend.log.format
Log format to use.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query−frontend.log.level
Log filtering level.

Defaults to ‘info’ in Thanos when set to ‘null’.

Type: null or one of “debug”, “info”, “warn”, “error”, “fatal”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query−frontend.query−frontend.downstream−url
URL of downstream Prometheus Query compatible API.

Defaults to ‘http://localhost:9090’ in Thanos when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query−frontend.tracing.config
Tracing configuration.

When not ‘null’ the attribute set gets converted to a YAML file and stored in the Nix store. The option **tracing.config−file** will default to its path.

If **tracing.config−file** is set this option has no effect.

See format details: **https://thanos.io/tip/thanos/tracing.md/#configuration**

Type: YAML 1.1 value

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.query−frontend.tracing.config−file

Path to YAML file that contains tracing configuration.

See format details: **https://thanos.io/tip/thanos/tracing.md/#configuration**

Type: null or string

Default:

```
if config.services.thanos.<cmd>.tracing.config == null then null
else toString (format.generate "tracing.yaml" config.services.thano \
s.<cmd>.tracing.config);
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.receive.enable

Whether to enable the Thanos receiver which accept Prometheus remote write API requests and write to local tsdb.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.receive.arguments

Arguments to the ‘thanos receive’ command.

Defaults to a list of arguments formed by converting the structured options of **services.thanos.receive** to a list of arguments.

Overriding this option will cause none of the structured options to have any effect. So only set this if you know what you’re doing!

Type: list of string

Default: calculated from config.services.thanos.receive

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.receive.grpc−address

Listen ‘ip:port’ address for gRPC endpoints (StoreAPI).

Make sure this address is routable from other components.

Defaults to ‘0.0.0.0:10901’ in Thanos when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.receive.grpc−server−tls−cert
TLS Certificate for gRPC server, leave blank to disable TLS

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.receive.grpc−server−tls−client−ca
TLS CA to verify clients against.

If no client CA is specified, there is no client verification on server side. (tls.NoClientCert)

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.receive.grpc−server−tls−key
TLS Key for the gRPC server, leave blank to disable TLS

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.receive.http−address
Listen ‘host:port’ for HTTP endpoints.

Defaults to ‘0.0.0.0:10902’ in Thanos when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.receive.labels
External labels to announce.

This flag will be removed in the future when handling multiple tsdb instances is added.

Type: attribute set of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.receive.log.format

Log format to use.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.receive.log.level

Log filtering level.

Defaults to ‘info’ in Thanos when set to ‘null’.

Type: null or one of “debug”, “info”, “warn”, “error”, “fatal”

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.receive.objstore.config

Object store configuration.

When not ‘null’ the attribute set gets converted to a YAML file and stored in the Nix store. The option **objstore.config−file** will default to its path.

If **objstore.config−file** is set this option has no effect.

See format details: **https://thanos.io/tip/thanos/storage.md/#configuring−access−to−object−storage**

Type: YAML 1.1 value

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.receive.objstore.config−file

Path to YAML file that contains object store configuration.

See format details: **https://thanos.io/tip/thanos/storage.md/#configuring−access−to−object−storage**

Type: null or string

Default:

```
if config.services.thanos.<cmd>.objstore.config == null then null
else toString (format.generate "objstore.yaml" config.services.than \
os.<cmd>.objstore.config);
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.receive.receive.grpc−compression

Compression algorithm to use for gRPC requests to other receivers.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.receive.remote−write.address
Address to listen on for remote write requests.

Defaults to '0.0.0.0:19291' in Thanos when set to 'null'.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.receive.stateDir
Data directory relative to '/var/lib' of TSDB.

Type: string

Default:

```
"thanos-receive"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.receive.tracing.config
Tracing configuration.

When not 'null' the attribute set gets converted to a YAML file and stored in the Nix store. The option **tracing.config−file** will default to its path.

If **tracing.config−file** is set this option has no effect.

See format details: **https://thanos.io/tip/thanos/tracing.md/#configuration**

Type: YAML 1.1 value

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.receive.tracing.config−file
Path to YAML file that contains tracing configuration.

See format details: **https://thanos.io/tip/thanos/tracing.md/#configuration**

Type: null or string

Default:

```
if config.services.thanos.<cmd>.tracing.config == null then null
else toString (format.generate "tracing.yaml" config.services.thano \
s.<cmd>.tracing.config);
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.receive.tsdb.retention

How long to retain raw samples on local storage.

'0d' − disables this retention

Defaults to '15d' in Thanos when set to 'null'.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.rule.enable

Whether to enable the Thanos ruler service which evaluates Prometheus rules against given Query nodes, exposing Store API and storing old blocks in bucket.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.rule.alert.label−drop

Labels by name to drop before sending to alertmanager.

This allows alert to be deduplicated on replica label.

Similar Prometheus alert relabelling

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.rule.alert.query−url

The external Thanos Query URL that would be set in all alerts 'Source' field.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.rule.alertmanagers.send−timeout

Timeout for sending alerts to alertmanager.

Defaults to '10s' in Thanos when set to 'null'.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.rule.alertmanagers.urls
Alertmanager replica URLs to push firing alerts.

Ruler claims success if push to at least one alertmanager from discovered succeeds. The scheme may be prefixed with 'dns+' or 'dnssrv+' to detect Alertmanager IPs through respective DNS lookups. The port defaults to '9093' or the SRV record's value. The URL path is used as a prefix for the regular Alertmanager API path.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.rule.arguments
Arguments to the 'thanos rule' command.

Defaults to a list of arguments formed by converting the structured options of **services.thanos.rule** to a list of arguments.

Overriding this option will cause none of the structured options to have any effect. So only set this if you know what you're doing!

Type: list of string

Default: calculated from config.services.thanos.rule

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.rule.eval−interval
The default evaluation interval to use.

Defaults to '1m' in Thanos when set to 'null'.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.rule.grpc−address
Listen 'ip:port' address for gRPC endpoints (StoreAPI).

Make sure this address is routable from other components.

Defaults to '0.0.0.0:10901' in Thanos when set to 'null'.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.rule.grpc−server−tls−cert

TLS Certificate for gRPC server, leave blank to disable TLS

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.rule.grpc−server−tls−client−ca

TLS CA to verify clients against.

If no client CA is specified, there is no client verification on server side. (tls.NoClientCert)

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.rule.grpc−server−tls−key

TLS Key for the gRPC server, leave blank to disable TLS

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.rule.http−address

Listen ‘host:port’ for HTTP endpoints.

Defaults to ‘0.0.0.0:10902’ in Thanos when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.rule.labels

Labels to be applied to all generated metrics.

Similar to external labels for Prometheus, used to identify ruler and its blocks as unique source.

Type: attribute set of string

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.rule.log.format

Log format to use.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.rule.log.level

Log filtering level.

Defaults to ‘info’ in Thanos when set to ‘null’.

Type: null or one of “debug”, “info”, “warn”, “error”, “fatal”

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.rule.objstore.config

Object store configuration.

When not ‘null’ the attribute set gets converted to a YAML file and stored in the Nix store. The option **objstore.config−file** will default to its path.

If **objstore.config−file** is set this option has no effect.

See format details: **https://thanos.io/tip/thanos/storage.md/#configuring−access−to−object−storage**

Type: YAML 1.1 value

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.rule.objstore.config−file

Path to YAML file that contains object store configuration.

See format details: **https://thanos.io/tip/thanos/storage.md/#configuring−access−to−object−storage**

Type: null or string

Default:

```
if config.services.thanos.<cmd>.objstore.config == null then null
else toString (format.generate "objstore.yaml" config.services.than \
os.<cmd>.objstore.config);
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.rule.query.addresses

Addresses of statically configured query API servers.

The scheme may be prefixed with ‘dns+’ or ‘dnssrv+’ to detect query API servers through respective DNS lookups.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.rule.query.sd−dns−interval
Interval between DNS resolutions.

Defaults to ‘30s’ in Thanos when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.rule.query.sd−files
Path to file that contain addresses of query peers. The path can be a glob pattern.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.rule.query.sd−interval
Refresh interval to re−read file SD files. (used as a fallback)

Defaults to ‘5m’ in Thanos when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.rule.rule−files
Rule files that should be used by rule manager. Can be in glob format.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.rule.stateDir
Data directory relative to ‘/var/lib’.

Type: string

Default:

```
"thanos−rule"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.rule.tracing.config

Tracing configuration.

When not ‘null’ the attribute set gets converted to a YAML file and stored in the Nix store. The option **tracing.config−file** will default to its path.

If **tracing.config−file** is set this option has no effect.

See format details: **https://thanos.io/tip/thanos/tracing.md/#configuration**

Type: YAML 1.1 value

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.rule.tracing.config−file

Path to YAML file that contains tracing configuration.

See format details: **https://thanos.io/tip/thanos/tracing.md/#configuration**

Type: null or string

Default:

```
if config.services.thanos.<cmd>.tracing.config == null then null
else toString (format.generate "tracing.yaml" config.services.thano \
s.<cmd>.tracing.config);
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.rule.tsdb.block−duration

Block duration for TSDB block.

Defaults to ‘2h’ in Thanos when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.rule.tsdb.retention

Block retention time on local disk.

Defaults to ‘48h’ in Thanos when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.rule.web.external−prefix

Static prefix for all HTML links and redirect URLs in the UI query web interface.

Actual endpoints are still served on / or the **web.route−prefix**. This allows thanos UI to be served behind a reverse proxy that strips a URL sub−path.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.rule.web.prefix−header
Name of HTTP request header used for dynamic prefixing of UI links and redirects.

This option is ignored if the option **web.external−prefix** is set.

Security risk: enable this option only if a reverse proxy in front of thanos is resetting the header.

The header ‘X−Forwarded−Prefix’ can be useful, for example, if Thanos UI is served via Traefik reverse proxy with ‘PathPrefixStrip’ option enabled, which sends the stripped prefix value in ‘X−Forwarded−Prefix’ header. This allows thanos UI to be served on a sub−path.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.rule.web.route−prefix
Prefix for API and UI endpoints.

This allows thanos UI to be served on a sub−path.

This option is analogous to ‘−−web.route−prefix’ of Promethus.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.sidecar.enable
Whether to enable the Thanos sidecar for Prometheus server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.sidecar.arguments
Arguments to the ‘thanos sidecar’ command.

Defaults to a list of arguments formed by converting the structured options of **services.thanos.sidecar** to a list of arguments.

Overriding this option will cause none of the structured options to have any effect. So only set this if you know what you’re doing!

Type: list of string

Default: calculated from config.services.thanos.sidecar

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.sidecar.grpc−address
Listen ‘ip:port’ address for gRPC endpoints (StoreAPI).

Make sure this address is routable from other components.

Defaults to ‘0.0.0.0:10901’ in Thanos when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.sidecar.grpc−server−tls−cert
TLS Certificate for gRPC server, leave blank to disable TLS

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.sidecar.grpc−server−tls−client−ca
TLS CA to verify clients against.

If no client CA is specified, there is no client verification on server side. (tls.NoClientCert)

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.sidecar.grpc−server−tls−key
TLS Key for the gRPC server, leave blank to disable TLS

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.sidecar.http−address
Listen ‘host:port’ for HTTP endpoints.

Defaults to ‘0.0.0.0:10902’ in Thanos when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.sidecar.log.format
Log format to use.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.sidecar.log.level
Log filtering level.

Defaults to ‘info’ in Thanos when set to ‘null’.

Type: null or one of “debug”, “info”, “warn”, “error”, “fatal”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.sidecar.objstore.config
Object store configuration.

When not ‘null’ the attribute set gets converted to a YAML file and stored in the Nix store. The option **objstore.config−file** will default to its path.

If **objstore.config−file** is set this option has no effect.

See format details: **https://thanos.io/tip/thanos/storage.md/#configuring−access−to−object−storage**

Type: YAML 1.1 value

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.sidecar.objstore.config−file
Path to YAML file that contains object store configuration.

See format details: **https://thanos.io/tip/thanos/storage.md/#configuring−access−to−object−storage**

Type: null or string

Default:

```
if config.services.thanos.<cmd>.objstore.config == null then null
else toString (format.generate "objstore.yaml" config.services.than \
os.<cmd>.objstore.config);
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.sidecar.prometheus.url
URL at which to reach Prometheus's API.

For better performance use local network.

Defaults to 'http://localhost:9090' in Thanos when set to 'null'.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.sidecar.reloader.config−envsubst−file
Output file for environment variable substituted config file.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.sidecar.reloader.config−file
Config file watched by the reloader.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.sidecar.reloader.rule−dirs
Rule directories for the reloader to refresh.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.sidecar.tracing.config
Tracing configuration.

When not 'null' the attribute set gets converted to a YAML file and stored in the Nix store. The option **tracing.config−file** will default to its path.

If **tracing.config−file** is set this option has no effect.

See format details: **https://thanos.io/tip/thanos/tracing.md/#configuration**

Type: YAML 1.1 value

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.sidecar.tracing.config−file
Path to YAML file that contains tracing configuration.

See format details: **https://thanos.io/tip/thanos/tracing.md/#configuration**

Type: null or string

Default:

```
if config.services.thanos.<cmd>.tracing.config == null then null
else toString (format.generate "tracing.yaml" config.services.thano \
s.<cmd>.tracing.config);
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.sidecar.tsdb.path
Data directory of TSDB.

Type: string

Default:

```
"/var/lib/${config.services.prometheus.stateDir}/data"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.store.enable
Whether to enable the Thanos store node giving access to blocks in a bucket provider.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.store.arguments
Arguments to the ‘thanos store’ command.

Defaults to a list of arguments formed by converting the structured options of **services.thanos.store** to a list of arguments.

Overriding this option will cause none of the structured options to have any effect. So only set this if you know what you’re doing!

Type: list of string

Default: calculated from config.services.thanos.store

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.store.block−sync−concurrency

Number of goroutines to use when syncing blocks from object storage.

Defaults to ‘20’ in Thanos when set to ‘null’.

Type: null or signed integer

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.store.chunk−pool−size

Maximum size of concurrently allocatable bytes for chunks.

Defaults to ‘2GB’ in Thanos when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.store.grpc−address

Listen ‘ip:port’ address for gRPC endpoints (StoreAPI).

Make sure this address is routable from other components.

Defaults to ‘0.0.0.0:10901’ in Thanos when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.store.grpc−server−tls−cert

TLS Certificate for gRPC server, leave blank to disable TLS

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.store.grpc−server−tls−client−ca

TLS CA to verify clients against.

If no client CA is specified, there is no client verification on server side. (tls.NoClientCert)

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.store.grpc−server−tls−key
TLS Key for the gRPC server, leave blank to disable TLS

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.store.http−address
Listen ‘host:port’ for HTTP endpoints.

Defaults to ‘0.0.0.0:10902’ in Thanos when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.store.index−cache−size
Maximum size of items held in the index cache.

Defaults to ‘250MB’ in Thanos when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.store.log.format
Log format to use.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.store.log.level
Log filtering level.

Defaults to ‘info’ in Thanos when set to ‘null’.

Type: null or one of “debug”, “info”, “warn”, “error”, “fatal”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.store.max−time

End of time range limit to serve.

Thanos Store serves only blocks, which happened earlier than this value. Option can be a constant time in RFC3339 format or time duration relative to current time, such as −1d or 2h45m. Valid duration units are ms, s, m, h, d, w, y.

Defaults to ‘9999−12−31T23:59:59Z’ in Thanos when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.store.min−time

Start of time range limit to serve.

Thanos Store serves only metrics, which happened later than this value. Option can be a constant time in RFC3339 format or time duration relative to current time, such as −1d or 2h45m. Valid duration units are ms, s, m, h, d, w, y.

Defaults to ‘0000−01−01T00:00:00Z’ in Thanos when set to ‘null’.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.store.objstore.config

Object store configuration.

When not ‘null’ the attribute set gets converted to a YAML file and stored in the Nix store. The option **objstore.config−file** will default to its path.

If **objstore.config−file** is set this option has no effect.

See format details: **https://thanos.io/tip/thanos/storage.md/#configuring−access−to−object−storage**

Type: YAML 1.1 value

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.store.objstore.config−file

Path to YAML file that contains object store configuration.

See format details: **https://thanos.io/tip/thanos/storage.md/#configuring−access−to−object−storage**

Type: null or string

Default:

```
if config.services.thanos.<cmd>.objstore.config == null then null
else toString (format.generate "objstore.yaml" config.services.than \
os.<cmd>.objstore.config);
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.store.stateDir
Data directory relative to '/var/lib' in which to cache remote blocks.

Type: string

Default:

```
"thanos-store"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.store.store.grpc.series-max-concurrency
Maximum number of concurrent Series calls.

Defaults to '20' in Thanos when set to 'null'.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.store.store.limits.request-samples
The maximum samples allowed for a single Series request. The Series call fails if this limit is exceeded.

'0' means no limit.

NOTE: For efficiency the limit is internally implemented as 'chunks limit' considering each chunk contains a maximum of 120 samples.

Defaults to '0' in Thanos when set to 'null'.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.store.sync-block-duration
Repeat interval for syncing the blocks between local and remote view.

Defaults to '3m' in Thanos when set to 'null'.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.store.tracing.config
Tracing configuration.

When not 'null' the attribute set gets converted to a YAML file and stored in the Nix store. The option **tracing.config-file** will default to its path.

If **tracing.config-file** is set this option has no effect.

See format details: **https://thanos.io/tip/thanos/tracing.md/#configuration**

Type: YAML 1.1 value

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thanos.store.tracing.config−file
Path to YAML file that contains tracing configuration.

See format details: **https://thanos.io/tip/thanos/tracing.md/#configuration**

Type: null or string

Default:

```
if config.services.thanos.<cmd>.tracing.config == null then null
else toString (format.generate "tracing.yaml" config.services.thano \
s.<cmd>.tracing.config);
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/thanos.nix>

services.thelounge.enable
Whether to enable The Lounge web IRC client.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/thelounge.nix>

services.thelounge.package
The thelounge package to use.

Type: package

Default:

```
pkgs.thelounge
```

Declared by:
<nixpkgs/nixos/modules/services/networking/thelounge.nix>

services.thelounge.extraConfig
The Lounge's *config.js* contents as attribute set (will be converted to JSON to generate the configuration file).

The options defined here will be merged to the default configuration file. Note: In case of duplicate configuration, options from **extraConfig** have priority.

Documentation: **https://thelounge.chat/docs/server/configuration**

Type: attribute set

Default:

```
{ }
```

Example:

```
{
  reverseProxy = true;
  defaults = {
    name = "Your Network";
    host = "localhost";
    port = 6697;
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/thelounge.nix>

services.thelounge.plugins
The Lounge plugins to install. Plugins can be found in ‘pkgs.theLoungePlugins.plugins’ and ‘pkgs.theLoungePlugins.themes’.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.theLoungePlugins.themes.solarized ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/thelounge.nix>

services.thelounge.port
TCP port to listen on for http connections.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9000
```

Declared by:
<nixpkgs/nixos/modules/services/networking/thelounge.nix>

services.thelounge.public
Make your The Lounge instance public. Setting this to ‘false’ will require you to configure user accounts by using the (**thelounge**) command or by adding entries in */var/lib/thelounge/users*. You might need to restart The Lounge after making changes to the state directory.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/thelounge.nix>

services.thermald.enable
Whether to enable thermald, the temperature management daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/thermald.nix>

services.thermald.package
The thermald package to use.

Type: package

Default:

```
pkgs.thermald
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/thermald.nix>

services.thermald.configFile
The thermald manual configuration file.

Leave unspecified to run with the '−−adaptive' flag instead which will have thermald use your computer's DPTF adaptive tables.

See 'man thermald' for more information.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/thermald.nix>

services.thermald.debug
Whether to enable debug logging.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/thermald.nix>

services.thermald.ignoreCpuidCheck
Whether to ignore the cpuid check to allow running on unsupported platforms

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/thermald.nix>

services.thinkfan.enable
Whether to enable thinkfan, a fan control program.

Note
This module targets IBM/Lenovo thinkpads by default, for other hardware you will have configure it more carefully.

Type: boolean

Default:

```
false
```

Related packages:

- ‘pkgs.thinkfan’

Declared by:

<nixpkgs/nixos/modules/services/hardware/thinkfan.nix>

services.thinkfan.extraArgs

A list of extra command line arguments to pass to thinkfan. Check the **thinkfan**(1) manpage for available arguments.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-b"
  "0"
]
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/thinkfan.nix>

services.thinkfan.fans

List of fans thinkfan will control.

Note

This section slightly departs from the thinkfan.conf syntax. The type and path must be specified like this:

```
type = "tpacpi";
query = "/proc/acpi/ibm/fan";
```

instead of a single declaration like:

```
- tpacpi: /proc/acpi/ibm/fan
```

Type: list of (open submodule of attribute set of (YAML 1.1 value))

Default:

```
[
  {
    query = "/proc/acpi/ibm/fan";
    type = "tpacpi";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/thinkfan.nix>

services.thinkfan.fans.*.indices

A list of fans to pick in case multiple fans match the query.

Note

Indices start from 0.

Type: null or (list of (unsigned integer, meaning >=0))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/thinkfan.nix>

services.thinkfan.fans.*.query
The query string used to match one or more fans: can be a fullpath to the temperature file (single fan) or a fullpath to a driver directory (multiple fans).

Note
When multiple fans match, the query can be restricted using the **name** or **indices** options.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/hardware/thinkfan.nix>

services.thinkfan.fans.*.type
The fan type, can be ‘hwmon’ for standard fans,

‘atasmart’ to read the temperature via S.M.A.R.T (requires smartSupport to be enabled),

‘tpacpi’ for the legacy thinkpac_acpi driver, or

‘nvml’ for the (proprietary) nVidia driver.

Type: one of “hwmon”, “atasmart”, “tpacpi”, “nvml”

Declared by:
<nixpkgs/nixos/modules/services/hardware/thinkfan.nix>

services.thinkfan.levels
[LEVEL LOW HIGH]

LEVEL is the fan level to use: it can be an integer (0−7 with thinkpad_acpi), “level auto” (to keep the default firmware behavior), “level full−speed” or “level disengaged” (to run the fan as fast as possible). LOW is the temperature at which to step down to the previous level. HIGH is the temperature at which to step up to the next level. All numbers are integers.

Type: list of (tuple of (unsigned integer, meaning >=0, or one of “level auto”, “level full−speed”, “level disengaged”) (unsigned integer, meaning >=0) (unsigned integer, meaning >=0))

Default:

```
[
  [
    0
    0
    55
  ]
  [
    1
    48
    60
  ]
  [
    2
    50
    61
  ]
  [
    3
    52
    63
```

```
    ]
    [
      6
      56
      65
    ]
    [
      7
      60
      85
    ]
    [
      "level auto"
      80
      32767
    ]
  ]
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/thinkfan.nix>

services.thinkfan.sensors

List of temperature sensors thinkfan will monitor.

Note

This section slightly departs from the thinkfan.conf syntax. The type and path must be specified like this:

```
type = "tpacpi";
query = "/proc/acpi/ibm/thermal";
```

instead of a single declaration like:

```
- tpacpi: /proc/acpi/ibm/thermal
```

Type: list of (open submodule of attribute set of (YAML 1.1 value))

Default:

```
[
  {
    query = "/proc/acpi/ibm/thermal";
    type = "tpacpi";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/thinkfan.nix>

services.thinkfan.sensors.*.correction

A list of values to be added to the temperature of each sensor, can be used to equalize small discrepancies in temperature ratings.

Type: null or (list of signed integer)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/thinkfan.nix>

services.thinkfan.sensors.*.indices
A list of sensors to pick in case multiple sensors match the query.

Note
Indices start from 0.

Type: null or (list of (unsigned integer, meaning >=0))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/thinkfan.nix>

services.thinkfan.sensors.*.query
The query string used to match one or more sensors: can be a fullpath to the temperature file (single sensor) or a fullpath to a driver directory (multiple sensors).

Note
When multiple sensors match, the query can be restricted using the **name** or **indices** options.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/hardware/thinkfan.nix>

services.thinkfan.sensors.*.type
The sensor type, can be ‘hwmon’ for standard sensors,

‘atasmart’ to read the temperature via S.M.A.R.T (requires smartSupport to be enabled),

‘tpacpi’ for the legacy thinkpac_acpi driver, or

‘nvml’ for the (proprietary) nVidia driver.

Type: one of “hwmon”, “atasmart”, “tpacpi”, “nvml”

Declared by:
<nixpkgs/nixos/modules/services/hardware/thinkfan.nix>

services.thinkfan.settings
Thinkfan settings. Use this option to configure thinkfan settings not exposed in a NixOS option or to bypass one. Before changing this, read the **thinkfan.conf**(5) manpage and take a look at the example config file at **https://github.com/vmatare/thinkfan/blob/master/examples/thinkfan.yaml**

Type: attribute set of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/thinkfan.nix>

services.thinkfan.smartSupport
Whether to build thinkfan with S.M.A.R.T. support to read temperatures directly from hard disks.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/thinkfan.nix>

services.throttled.enable
Whether to enable fix for Intel CPU throttling.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/throttled.nix>

services.throttled.extraConfig
Alternative configuration

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/throttled.nix>

services.tiddlywiki.enable
Whether to enable TiddlyWiki nodejs server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tiddlywiki.nix>

services.tiddlywiki.listenOptions
Parameters passed to '--listen' command. Refer to **https://tiddlywiki.com/#WebServer** for details on supported values.

Type: attribute set

Default:

```
{ }
```

Example:

```
{
  credentials = "../credentials.csv";
  port = 3456;
  readers = "(authenticated)";
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tiddlywiki.nix>

services.tigerbeetle.enable

Whether to enable TigerBeetle server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/databases/tigerbeetle.nix>

services.tigerbeetle.package

The tigerbeetle package to use.

Type: package

Default:

```
pkgs.tigerbeetle
```

Declared by:

<nixpkgs/nixos/modules/services/databases/tigerbeetle.nix>

services.tigerbeetle.addresses

The addresses of all replicas in the cluster. This should be a list of IPv4/IPv6 addresses with port numbers. Either the address or port number (but not both) may be omitted, in which case a default of 127.0.0.1 or 3001 will be used. The first address in the list corresponds to the address for replica 0, the second address for replica 1, and so on.

Type: list of non−empty string

Default:

```
[
  "3001"
]
```

Declared by:

<nixpkgs/nixos/modules/services/databases/tigerbeetle.nix>

services.tigerbeetle.cacheGridSize

The grid cache size. The grid cache acts like a page cache for TigerBeetle. It is recommended to set this as large as possible.

Type: string matching the pattern [0−9]+(K|M|G)iB

Default:

```
"1GiB"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/tigerbeetle.nix>

services.tigerbeetle.clusterId

The 128−bit cluster ID used to create the replica data file (if needed). Since Nix only supports integers up to 64 bits, you need to pass a string to this if the cluster ID can’t fit in 64 bits. Otherwise, you can pass the cluster ID as either an integer or a string.

Type: unsigned integer, meaning >=0, or string matching the pattern [0−9]+

Default:

Declared by:
<nixpkgs/nixos/modules/services/databases/tigerbeetle.nix>

services.tigerbeetle.replicaCount
The number of replicas participating in replication of the cluster.

Type: unsigned integer, meaning >=0

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/databases/tigerbeetle.nix>

services.tigerbeetle.replicaIndex
The index (starting at 0) of the replica in the cluster.

Type: unsigned integer, meaning >=0

Default:

Declared by:
<nixpkgs/nixos/modules/services/databases/tigerbeetle.nix>

services.tika.enable
Whether to enable Apache Tika server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/search/tika.nix>

services.tika.enableOcr
Whether to enable OCR support by adding the ‘tesseract’ package as a dependency.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/search/tika.nix>

services.tika.package
The tika package to use.

Type: package

Default:

```
pkgs.tika
```

Declared by:
<nixpkgs/nixos/modules/services/search/tika.nix>

services.tika.configFile

The Apache Tika configuration (XML) file to use.

Type: null or absolute path

Default:

```
null
```

Example:

```
./tika/tika-config.xml
```

Declared by:
<nixpkgs/nixos/modules/services/search/tika.nix>

services.tika.listenAddress

The Apache Tika bind address.

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/search/tika.nix>

services.tika.openFirewall

Whether to open the firewall for Apache Tika. This adds ‘services.tika.port’ to ‘networking.firewall.allowedTCPPorts’.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/search/tika.nix>

services.tika.port

The Apache Tike port to listen on

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9998
```

Declared by:
<nixpkgs/nixos/modules/services/search/tika.nix>

services.timekpr.enable

Whether to enable Timekpr−nExT, a screen time managing application that helps optimizing time spent at computer for your subordinates, children or even for yourself.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/timekpr.nix>

services.timekpr.package
The timekpr package to use.

Type: package

Default:

```
pkgs.timekpr
```

Declared by:
<nixpkgs/nixos/modules/services/security/timekpr.nix>

services.timekpr.adminUsers
All listed users will become part of the ‘timekpr’ group so they can manage timekpr settings without requiring sudo.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "alice"
  "bob"
]
```

Declared by:
<nixpkgs/nixos/modules/services/security/timekpr.nix>

services.timesyncd.enable
Enables the systemd NTP client daemon.

Type: boolean

Default:

```
!config.boot.isContainer
```

Declared by:
<nixpkgs/nixos/modules/system/boot/timesyncd.nix>

services.timesyncd.extraConfig
Extra config options for systemd−timesyncd. See **timesyncd.conf**(5) for available options.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
  PollIntervalMaxSec=180
```

Declared by:
<nixpkgs/nixos/modules/system/boot/timesyncd.nix>

services.timesyncd.fallbackServers

The set of fallback NTP servers from which to synchronise.

Setting this option to an empty list will write ‘FallbackNTP=’ to the *timesyncd.conf* file as opposed to setting this option to null which will remove ‘FallbackNTP=’ entirely.

See **timesyncd.conf**(5) for details.

Type: null or (list of string)

Default:

```
config.networking.timeServers
```

Declared by:

<nixpkgs/nixos/modules/system/boot/timesyncd.nix>

services.timesyncd.servers

The set of NTP servers from which to synchronise.

Setting this option to an empty list will write ‘NTP=’ to the *timesyncd.conf* file as opposed to setting this option to null which will remove ‘NTP=’ entirely.

See **timesyncd.conf**(5) for details.

Type: null or (list of string)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/system/boot/timesyncd.nix>

services.tinc.networks

Defines the tinc networks which will be started. Each network invokes a different daemon.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/tinc.nix>

services.tinc.networks.<name>.package

The tinc_pre package to use.

Type: package

Default:

```
pkgs.tinc_pre
```

Declared by:

<nixpkgs/nixos/modules/services/networking/tinc.nix>

services.tinc.networks.<name>.bindToAddress

The ip address to bind to (both listen on and send packets from).

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tinc.nix>

services.tinc.networks.<name>.chroot
Change process root directory to the directory where the config file is located (/etc/tinc/netname/), for added security. The chroot is performed after all the initialization is done, after writing pid files and opening network sockets.

Note that this currently breaks dns resolution and tinc can't run scripts anymore (such as tinc−down or host−up), unless it is setup to be runnable inside chroot environment.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tinc.nix>

services.tinc.networks.<name>.debugLevel
The amount of debugging information to add to the log. 0 means little logging while 5 is the most logging. **man tincd** for more details.

Type: integer between 0 and 5 (both inclusive)

Default:

Declared by:
<nixpkgs/nixos/modules/services/networking/tinc.nix>

services.tinc.networks.<name>.ed25519PrivateKeyFile
Path of the private ed25519 keyfile.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tinc.nix>

services.tinc.networks.<name>.extraConfig
Extra lines to add to the tinc service configuration file.

Note that using the declarative **service.tinc.networks.<name>.settings** option is preferred.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tinc.nix>

services.tinc.networks.<name>.hostSettings
The name of the host in the network as well as the configuration for that host. This name should only contain alphanumerics and underscores.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  host1 = {
    addresses = [
      { address = "192.168.1.42"; }
      { address = "192.168.1.42"; port = 1655; }
    ];
    subnets = [ { address = "10.0.0.42"; } ];
    rsaPublicKey = "...";
    settings = {
      Ed25519PublicKey = "...";
    };
  };
  host2 = {
    subnets = [ { address = "10.0.1.0"; prefixLength = 24; weight = \
 2; } ];
    rsaPublicKey = "...";
    settings = {
      Compression = 10;
    };
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/tinc.nix>

services.tinc.networks.<name>.hostSettings.<name>.addresses

The external address where the host can be reached. This will set this host's **settings.Address** option.

This variable is only required if you want to connect to this host.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/tinc.nix>

services.tinc.networks.<name>.hostSettings.<name>.addresses.*.address

The external IP address or hostname where the host can be reached.

Type: string

Declared by:

<nixpkgs/nixos/modules/services/networking/tinc.nix>

services.tinc.networks.<name>.hostSettings.<name>.addresses.*.port

The port where the host can be reached.

If no port is specified, the default Port is used.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/tinc.nix>

services.tinc.networks.<name>.hostSettings.<name>.rsaPublicKey

Legacy RSA public key of the host in PEM format, including start and end markers.

This will be appended as−is in the host's configuration file.

The ed25519 public key can be specified using the **settings.Ed25519PublicKey** option instead.

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/networking/tinc.nix>

services.tinc.networks.<name>.hostSettings.<name>.settings

Configuration for this host.

See **https://tinc−vpn.org/documentation−1.1/Host−configuration−variables.html** for supported values.

Type: open submodule of attribute set of (boolean or string or signed integer or list of (boolean or string or signed integer))

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/tinc.nix>

services.tinc.networks.<name>.hostSettings.<name>.subnets

The subnets which this tinc daemon will serve. This will set this host's **settings.Subnet** option.

Tinc tries to look up which other daemon it should send a packet to by searching the appropriate subnet. If the packet matches a subnet, it will be sent to the daemon who has this subnet in his host configuration file.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/tinc.nix>

services.tinc.networks.<name>.hostSettings.<name>.subnets.*.address

The subnet of this host.

Subnets can either be single MAC, IPv4 or IPv6 addresses, in which case a subnet consisting of only that single address is assumed, or they can be a IPv4 or IPv6 network address with a prefix length.

IPv4 subnets are notated like 192.168.1.0/24, IPv6 subnets are notated like fec0:0:0:1::/64. MAC addresses are notated like 0:1a:2b:3c:4d:5e.

Note that subnets like 192.168.1.1/24 are invalid.

Type: string

Declared by:

<nixpkgs/nixos/modules/services/networking/tinc.nix>

services.tinc.networks.<name>.hostSettings.<name>.subnets.*.prefixLength

The prefix length of the subnet.

If null, a subnet consisting of only that single address is assumed.

This conforms to standard CIDR notation as described in RFC1519.

Type: null or integer between 0 and 128 (both inclusive)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/tinc.nix>

services.tinc.networks.<name>.hostSettings.<name>.subnets.*.weight

Indicates the priority over identical Subnets owned by different nodes.

Lower values indicate higher priority. Packets will be sent to the node with the highest priority, unless that node is not reachable, in which case the node with the next highest priority will be tried, and so on.

Type: unsigned integer, meaning >=0

Default:

```
10
```

Declared by:

<nixpkgs/nixos/modules/services/networking/tinc.nix>

services.tinc.networks.<name>.hosts

The name of the host in the network as well as the configuration for that host. This name should only contain alphanumerics and underscores.

Note that using the declarative **service.tinc.networks.<name>.hostSettings** option is preferred.

Type: attribute set of strings concatenated with “\n”

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/tinc.nix>

services.tinc.networks.<name>.interfaceType

The type of virtual interface used for the network connection.

Type: one of “tun”, “tap”

Default:

```
"tun"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/tinc.nix>

services.tinc.networks.<name>.listenAddress

The ip address to listen on for incoming connections.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tinc.nix>

services.tinc.networks.<name>.name
The name of the node which is used as an identifier when communicating with the remote nodes in the mesh. If null then the hostname of the system is used to derive a name (note that tinc may replace non−alphanumeric characters in hostnames by underscores).

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tinc.nix>

services.tinc.networks.<name>.rsaPrivateKeyFile
Path of the private RSA keyfile.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tinc.nix>

services.tinc.networks.<name>.settings
Configuration of the Tinc daemon for this network.

See **https://tinc−vpn.org/documentation−1.1/Main−configuration−variables.html** for supported values.

Type: open submodule of attribute set of (boolean or string or signed integer or list of (boolean or string or signed integer))

Default:

```
{ }
```

Example:

```
{
  Interface = "custom.interface";
  DirectOnly = true;
  Mode = "switch";
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tinc.nix>

services.tinyauth.enable
Whether to enable Tinyauth server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/tinyauth.nix>

services.tinyauth.package
The tinyauth package to use.

Type: package

Default:

```
pkgs.tinyauth
```

Declared by:
<nixpkgs/nixos/modules/services/security/tinyauth.nix>

services.tinyauth.dataDir
The directory where Tinyauth will store its data.

Type: absolute path

Default:

```
"/var/lib/tinyauth"
```

Declared by:
<nixpkgs/nixos/modules/services/security/tinyauth.nix>

services.tinyauth.environmentFile
Path to an environment file loaded for Tinyauth.

This can be used to securely store tokens and secrets outside of the world−readable Nix store.

Example contents of the file:

```
TINYAUTH_AUTH_USERS=user−hash
TINYAUTH_OAUTH_PROVIDERS_GOOGLE_CLIENTSECRET=client−secret
```

Type: absolute path

Default:

```
"/dev/null"
```

Example:

```
"/var/lib/secrets/tinyauth"
```

Declared by:
<nixpkgs/nixos/modules/services/security/tinyauth.nix>

services.tinyauth.group
Group account under which Tinyauth runs.

Type: string

Default:

```
"tinyauth"
```

Declared by:
<nixpkgs/nixos/modules/services/security/tinyauth.nix>

services.tinyauth.settings
Environment variables that will be passed to Tinyauth. The “TINYAUTH_” prefix will be prepended to the setting names. See **configuration options** for supported values.

Type: open submodule of attribute set of (atom (null, bool, int, float or string))

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/security/tinyauth.nix>

services.tinyauth.settings.ANALYTICS_ENABLED

Whether to enable anonymous version collection.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/security/tinyauth.nix>

services.tinyauth.settings.APPURL

URL of the app.

Type: string

Example:

```
"https://auth.example.com"
```

Declared by:

<nixpkgs/nixos/modules/services/security/tinyauth.nix>

services.tinyauth.settings.AUTH_LOGINMAXRETRIES

Maximum login attempts before timeout (0 to disable).

Type: unsigned integer, meaning >=0

Default:

```
3
```

Declared by:

<nixpkgs/nixos/modules/services/security/tinyauth.nix>

services.tinyauth.settings.AUTH_LOGINTIMEOUT

Login timeout in seconds after max retries reached (0 to disable).

Type: unsigned integer, meaning >=0

Default:

```
300
```

Declared by:

<nixpkgs/nixos/modules/services/security/tinyauth.nix>

services.tinyauth.settings.AUTH_TRUSTEDPROXIES

Comma−separated list of trusted proxy addresses.

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/security/tinyauth.nix>

services.tinyauth.settings.RESOURCES_ENABLED
Whether to enable the resources server.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/tinyauth.nix>

services.tinyauth.settings.SERVER_ADDRESS
Address to bind the server to.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/security/tinyauth.nix>

services.tinyauth.settings.SERVER_PORT
The port to run the server on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Declared by:
<nixpkgs/nixos/modules/services/security/tinyauth.nix>

services.tinyauth.user
User account under which Tinyauth runs.

Type: string

Default:

```
"tinyauth"
```

Declared by:
<nixpkgs/nixos/modules/services/security/tinyauth.nix>

services.tinydns.enable
Whether to run the tinydns dns server

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tinydns.nix>

services.tinydns.data
The DNS data to serve, in the format described by **tinydns−data**(8)

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tinydns.nix>

services.tinydns.ip
IP address on which to listen for connections

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tinydns.nix>

services.tinyproxy.enable
Whether to enable Tinyproxy daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tinyproxy.nix>

services.tinyproxy.package
The tinyproxy package to use.

Type: package

Default:

```
pkgs.tinyproxy
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tinyproxy.nix>

services.tinyproxy.settings
Configuration for **tinyproxy**.

Type: open submodule of attribute set of (atom (null, bool, int, float or string) or a list of them for duplicate keys)

Default:

```
{ }
```

Example:

```
{
  Port 8888;
  Listen 127.0.0.1;
  Timeout 600;
  Allow 127.0.0.1;
  Anonymous = ['"Host"' '"Authorization"'];
  ReversePath = '"/example/" "http://www.example.com/"';
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tinyproxy.nix>

services.tinyproxy.settings.Anonymous
If an 'Anonymous' keyword is present, then anonymous proxying is enabled. The headers listed with 'Anonymous' are allowed through, while all others are denied. If no Anonymous keyword is present, then all headers are allowed through. You must include quotes around the headers.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tinyproxy.nix>

services.tinyproxy.settings.Filter
Tinyproxy supports filtering of web sites based on URLs or domains. This option specifies the location of the file containing the filter rules, one rule per line.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tinyproxy.nix>

services.tinyproxy.settings.Listen
Specify which address to listen to.

Type: null or string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tinyproxy.nix>

services.tinyproxy.settings.Port
Specify which port to listen to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8888
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tinyproxy.nix>

services.tlp.enable
Whether to enable the TLP power management daemon.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/tlp.nix>

services.tlp.package
The tlp package to use.

Type: package

Default:

```
"pkgs.tlp.override { enableRDW = config.networking.networkmanager.e \
nable; }"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/tlp.nix>

services.tlp.extraConfig
Verbatim additional configuration variables for TLP. DEPRECATED: use services.tlp.settings instead.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/tlp.nix>

services.tlp.pd.enable
Whether to enable the power−rofiles−daemon like DBus interface for TLP.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/tlp.nix>

services.tlp.pd.package
The tlp−pd package to use.

Type: package

Default:

```
pkgs.tlp-pd
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/tlp.nix>

services.tlp.settings
Options passed to TLP. See **https://linrunner.de/tlp** for all supported options…

Type: attribute set of (boolean or signed integer or floating point number or string or list of string)

Default:

```
{ }
```

Example:

```
{
  SATA_LINKPWR_ON_BAT = "med_power_with_dipm";
  USB_BLACKLIST_PHONE = 1;
}
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/tlp.nix>

services.tlsrpt.enable
Whether to enable the TLSRPT services.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/tlsrpt.nix>

services.tlsrpt.package
The tlsrpt−reporter package to use.

Type: package

Default:

```
pkgs.tlsrpt-reporter
```

Declared by:
<nixpkgs/nixos/modules/services/mail/tlsrpt.nix>

services.tlsrpt.collectd.extraFlags
List of extra flags to pass to the tlsrpt−reportd executable.

See **tlsrpt−collectd**(1) for possible flags.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/tlsrpt.nix>

services.tlsrpt.collectd.settings
Flags from **tlsrpt−collectd**(1) as key−value pairs.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/mail/tlsrpt.nix>

services.tlsrpt.collectd.settings.log_level
Level of log messages to emit.

Type: one of “debug”, “info”, “warning”, “error”, “critical”

Default:

```
"info"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/tlsrpt.nix>

services.tlsrpt.collectd.settings.socketmode
Permissions on the UNIX socket.

Type: string

Default:

```
"0220"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/tlsrpt.nix>

services.tlsrpt.collectd.settings.socketname
Path at which the UNIX socket will be created.

Type: absolute path

Default:

```
"/run/tlsrpt/collectd.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/tlsrpt.nix>

services.tlsrpt.collectd.settings.storage
Storage backend definition.

Type: string

Default:

```
"sqlite:///var/lib/tlsrpt/collectd.sqlite"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/tlsrpt.nix>

services.tlsrpt.configurePostfix
Whether to configure permissions to allow integration with Postfix.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/tlsrpt.nix>

services.tlsrpt.fetcher.settings
Flags from **tlsrpt−fetcher**(1) as key−value pairs.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/mail/tlsrpt.nix>

services.tlsrpt.fetcher.settings.log_level
Level of log messages to emit.

Type: one of “debug”, “info”, “warning”, “error”, “critical”

Default:

```
"info"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/tlsrpt.nix>

services.tlsrpt.fetcher.settings.storage
Path to the collectd sqlite database.

Type: string

Default:

```
config.services.tlsrpt.collectd.settings.storage
```

Declared by:
<nixpkgs/nixos/modules/services/mail/tlsrpt.nix>

services.tlsrpt.reportd.extraFlags
List of extra flags to pass to the tlsrpt−reportd executable.

See **tlsrpt−report**(1) for possible flags.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/tlsrpt.nix>

services.tlsrpt.reportd.settings
Flags from **tlsrpt−reportd**(1) as key−value pairs.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/mail/tlsrpt.nix>

services.tlsrpt.reportd.settings.contact_info
Contact information embedded into the reports.

Type: string

Example:

```
"smtp-tls-reporting@example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/tlsrpt.nix>

services.tlsrpt.reportd.settings.dbname
Path to the sqlite database.

Type: string

Default:

```
"/var/lib/tlsrpt/reportd.sqlite"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/tlsrpt.nix>

services.tlsrpt.reportd.settings.fetchers
Comma−separated list of fetcher programs that retrieve collectd data.

Type: string

Default:

```
lib.getExe' cfg.package "tlsrpt-fetcher"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/tlsrpt.nix>

services.tlsrpt.reportd.settings.http_script
Call to an HTTPS client, that accepts the URL on the commandline and the request body from stdin.

Type: null or string

Default:

```
${lib.getExe pkgs.curl} --silent --header 'Content-Type: appli \
cation/tlsrpt+gzip' --data-binary @-
```

Declared by:
<nixpkgs/nixos/modules/services/mail/tlsrpt.nix>

services.tlsrpt.reportd.settings.log_level
Level of log messages to emit.

Type: one of “debug”, “info”, “warning”, “error”, “critical”

Default:

```
"info"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/tlsrpt.nix>

services.tlsrpt.reportd.settings.organization_name
Name of the organization sending out the reports.

Type: string

Example:

```
"ACME Corp."
```

Declared by:
<nixpkgs/nixos/modules/services/mail/tlsrpt.nix>

services.tlsrpt.reportd.settings.sender_address
Sender address used for reports.

Type: string

Example:

```
"noreply@example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/tlsrpt.nix>

services.tlsrpt.reportd.settings.sendmail_script
Path to a sendmail−compatible executable for delivery reports.

Type: null or string

Default:

```
if config.services.postfix.enable && config.services.postfix.setSen \
dmail then
  "/run/wrappers/bin/sendmail −i −t −f $${cfg.reportd.settings.s \
ender_address}"
else
  null
```

Declared by:
<nixpkgs/nixos/modules/services/mail/tlsrpt.nix>

services.tmate−ssh−server.enable
Whether to enable tmate ssh server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tmate−ssh−server.nix>

services.tmate−ssh−server.package
The tmate−ssh−server package to use.

Type: package

Default:

```
pkgs.tmate−ssh−server
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tmate−ssh−server.nix>

services.tmate−ssh−server.advertisedPort
External port advertised to clients

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Declared by:
<nixpkgs/nixos/modules/services/networking/tmate−ssh−server.nix>

services.tmate−ssh−server.host
External host name

Type: string

Default:

```
config.networking.domain or config.networking.hostName
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tmate−ssh−server.nix>

services.tmate−ssh−server.keysDir

Directory containing ssh keys, defaulting to auto−generation

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/tmate−ssh−server.nix>

services.tmate−ssh−server.openFirewall

Whether to automatically open the specified ports in the firewall.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/tmate−ssh−server.nix>

services.tmate−ssh−server.port

Listen port for the ssh server

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
2222
```

Declared by:

<nixpkgs/nixos/modules/services/networking/tmate−ssh−server.nix>

services.todesk.enable

Whether to enable ToDesk daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/todesk.nix>

services.todesk.package

The todesk package to use.

Type: package

Default:

```
pkgs.todesk
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/todesk.nix>

services.tomcat.enable

Whether to enable Apache Tomcat.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/tomcat.nix>

services.tomcat.package

The tomcat9 package to use.

Type: package

Default:

```
pkgs.tomcat9
```

Example:

```
tomcat10
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/tomcat.nix>

services.tomcat.axis2.enable

Whether to enable Apache Axis2 container.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/tomcat.nix>

services.tomcat.axis2.services

List containing AAR files or directories with AAR files which are web services to be deployed on Axis2

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/tomcat.nix>

services.tomcat.baseDir

Location where Tomcat stores configuration files, web applications and logfiles. Note that it is partially cleared on each service startup if ‘purifyOnStart’ is enabled.

Type: absolute path

Default:

```
"/var/tomcat"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/tomcat.nix>

services.tomcat.catalinaOpts
Parameters to pass to the Java Virtual Machine which spawns the Catalina servlet container

Type: (list of string) or string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/tomcat.nix>

services.tomcat.commonLibs
List containing JAR files or directories with JAR files which are libraries shared by the web applications and the servlet container

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/tomcat.nix>

services.tomcat.extraConfigFiles
Extra configuration files to pull into the tomcat conf directory

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/tomcat.nix>

services.tomcat.extraEnvironment
Environment Variables to pass to the tomcat service

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "ENVIRONMENT=production"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/tomcat.nix>

services.tomcat.extraGroups
Defines extra groups to which the tomcat user belongs.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
```

```
  "users"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/tomcat.nix>

services.tomcat.group
Group account under which Apache Tomcat runs.

Type: string

Default:

```
"tomcat"
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/tomcat.nix>

services.tomcat.javaOpts
Parameters to pass to the Java Virtual Machine which spawns Apache Tomcat

Type: (list of string) or string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/tomcat.nix>

services.tomcat.jdk
The jdk package to use.

Type: package

Default:

```
pkgs.jdk
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/tomcat.nix>

services.tomcat.logDirs
Directories to create in baseDir/logs/

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/tomcat.nix>

services.tomcat.logPerVirtualHost
Whether to enable logging per virtual host.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/tomcat.nix>

services.tomcat.port

The TCP port Tomcat should listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/tomcat.nix>

services.tomcat.purifyOnStart

On startup, the ‘baseDir’ directory is populated with various files, subdirectories and symlinks. If this option is enabled, these items (except for the ‘logs’ and ‘work’ subdirectories) are first removed. This prevents interference from remainders of an old configuration (libraries, webapps, etc.), so it’s recommended to enable this option.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/tomcat.nix>

services.tomcat.serverXml

Verbatim server.xml configuration. This is mutually exclusive with the virtualHosts options.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/tomcat.nix>

services.tomcat.sharedLibs

List containing JAR files or directories with JAR files which are libraries shared by the web applications

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/tomcat.nix>

services.tomcat.user

User account under which Apache Tomcat runs.

Type: string

Default:

```
"tomcat"
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/tomcat.nix>

services.tomcat.virtualHosts
List consisting of a virtual host name and a list of web applications to deploy on each virtual host

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/tomcat.nix>

services.tomcat.virtualHosts.*.aliases
aliases of the virtualhost

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/tomcat.nix>

services.tomcat.virtualHosts.*.name
name of the virtualhost

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−servers/tomcat.nix>

services.tomcat.virtualHosts.*.webapps
List containing web application WAR files and/or directories containing web applications and configuration files for the virtual host.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/tomcat.nix>

services.tomcat.webapps
List containing WAR files or directories with WAR files which are web applications to be deployed on Tomcat

Type: list of absolute path

Default:

```
[ config.services.tomcat.package.webapps ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/tomcat.nix>

services.tor.enable
Whether to enable Tor daemon. By default, the daemon is run without relay, exit, bridge or client connectivity.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.enableGeoIP
Whether to enable use of GeoIP databases. Disabling this will disable by−country statistics for bridges and relays and some client and third−party software functionality.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.package
The tor package to use.

Type: package

Default:

```
pkgs.tor
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.client.enable
Whether to enable the routing of application connections. You might want to disable this if you plan running a dedicated Tor relay.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.client.dns.enable
Whether to enable DNS resolver.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.client.onionServices

See **torrc manual**.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx = {
    clientAuthorizations = [
      "/run/keys/tor/alice.prv.x25519"
    ];
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.client.onionServices.<name>.clientAuthorizations

Clients' authorizations for a v3 onion service, as a list of files containing each one private key, in the format:

```
descriptor:x25519:<base32-private-key>
```

See **torrc manual**.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[
  "/run/keys/tor/alice.prv.x25519"
]
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.client.socksListenAddress

Bind to this address to listen for connections from Socks-speaking applications.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive) or (submodule)

Default:

```
{
  IsolateDestAddr = true;
  addr = "127.0.0.1";
  port = 9050;
}
```

Example:

```
{
  IsolateDestAddr = true;
  addr = "192.168.0.1";
  port = 9090;
}
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.client.transparentProxy.enable
Whether to enable transparent proxy.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.controlSocket.enable
Whether to enable control socket, created in '/run/tor/control'.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.obfs4Package
The obfs4 package to use.

Type: package

Default:

```
pkgs.obfs4
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.openFirewall
Whether to enable opening of the relay port(s) in the firewall.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.relay.enable
Whether to enable relaying of Tor traffic for others.

See **https://www.torproject.org/docs/tor−doc−relay** for details.

Setting this to true requires setting **services.tor.relay.role** and **services.tor.settings.ORPort** options.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.relay.onionServices

See **torrc manual**.

Warning

Because ‘tor.service’ runs in its own ‘RootDirectory=’, when using a onion service to reverse−proxy to a Unix socket, you need to make that Unix socket available within the mount namespace of ‘tor.service’.

When you can configure your service to create its socket in ‘/tmp’, this can be done with:

```
systemd.services.${your−service} = {
  unitConfig.JoinsNamespaceOf = [ "tor.service" ];‘
  serviceConfig.PrivateTmp = true;
};
```

Otherwise, you can use:

```
systemd.services.tor.serviceConfig.BindPaths = [ "/path/to/your−se \
rvice/socket/directory" ];
```

but you have to be sure that ‘/path/to/socket/directory’ exists before ‘tor.service’ is started and is not deleted and recreated between restarts of ‘your−service’, or you’ll need to restart ‘tor.service’ to refresh the ‘BindPaths=’.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "example.org/www" = {
    authorizedClients = [
      "descriptor:x25519:XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX \
XXXXXXXXXX"
    ];
    map = [
      80
    ];
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.relay.onionServices.<name>.authorizeClient

See **torrc manual**.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.relay.onionServices.<name>.authorizeClient.authType
Either ‘"basic"’ for a general−purpose authorization protocol or ‘"stealth"’ for a less scalable protocol that also hides service activity from unauthorized clients.

Type: one of “basic”, “stealth”

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.relay.onionServices.<name>.authorizeClient.clientNames
Only clients that are listed here are authorized to access the hidden service. Generated authorization data can be found in */var/lib/tor/onion/$name/hostname*. Clients need to put this authorization data in their configuration file using **services.tor.settings.HidServAuth**.

Type: non−empty (list of string matching the pattern [A−Za−z0−9±_]+)

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.relay.onionServices.<name>.authorizedClients
Authorized clients for a v3 onion service, as a list of public key, in the format:

```
descriptor:x25519:<base32−public−key>
```

See **torrc manual**.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "descriptor:x25519:XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX \
XXXXXX"
]
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.relay.onionServices.<name>.map
See **torrc manual**.

Type: list of (16 bit unsigned integer; between 0 and 65535 (both inclusive) or (submodule))

Default:

```
[ ]
```

Example:

```
[
  {
    port = 9000;
    target = {
      addr = "127.0.0.1";
      port = 9123;
    };
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.relay.onionServices.<name>.path
Path where to store the data files of the hidden service. If the **secretKey** is null this defaults to '/var/lib/tor/onion/$onion', otherwise to '/run/tor/onion/$onion'.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.relay.onionServices.<name>.secretKey
Secret key of the onion service. If null, Tor reuses any preexisting secret key (in **path**) or generates a new one. The associated public key and hostname are deterministically regenerated from this file if they do not exist.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/tor/onion/expyuzz4wqqyqhjn/hs_ed25519_secret_key"
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.relay.onionServices.<name>.settings
Settings of the onion service. See **torrc manual**.

Type: open submodule of settings option

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.relay.onionServices.<name>.settings.HiddenServiceAllowUnknownPorts
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.relay.onionServices.<name>.settings.HiddenServiceDirGroupReadable
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.relay.onionServices.<name>.settings.HiddenServiceExportCircuitID
See **torrc manual**.

Type: null or value “haproxy” (singular enum)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.relay.onionServices.<name>.settings.HiddenServiceMaxStreams
See **torrc manual**.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.relay.onionServices.<name>.settings.HiddenServiceMaxStreamsCloseCircuit
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.relay.onionServices.<name>.settings.HiddenServiceNumIntroductionPoints
See **torrc manual**.

Type: null or integer between 0 and 20 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.relay.onionServices.<name>.settings.HiddenServiceSingleHopMode
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.relay.onionServices.<name>.settings.RendPostPeriod
See **torrc manual**.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.relay.onionServices.<name>.version
See **torrc manual**.

Type: null or one of 2, 3

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.relay.role
Your role in Tor network. There're several options:

- 'exit': An exit relay. This allows Tor users to access regular Internet services through your public IP.

  You can specify which services Tor users may access via your exit relay using **settings.ExitPolicy** option.

- 'relay': Regular relay. This allows Tor users to relay onion traffic to other Tor nodes, but not to public Internet.

  See **https://www.torproject.org/docs/tor−doc−relay.html.en** for more info.

- 'bridge': Regular bridge. Works like a regular relay, but doesn't list you in the public relay directory and hides your Tor node behind obfs4proxy.

  Using this option will make Tor advertise your bridge to users through various mechanisms like **https://bridges.torproject.org/**, though.

  See **https://www.torproject.org/docs/bridges.html.en** for more info.

- 'private−bridge': Private bridge. Works like regular bridge, but does not advertise your node in any way.

  Using this role means that you won't contribute to Tor network in any way unless you advertise your node yourself in some way.

  Use this if you want to run a private bridge, for example because you'll give out your bridge addr manually to your friends.

  Switching to this role after measurable time in "bridge" role is pretty useless as some Tor users would have learned about your node already. In the latter case you can still change **port** option.

  See **https://www.torproject.org/docs/bridges.html.en** for more info.

  Important
  Running an exit relay may expose you to abuse complaints. See **https://www.torproject.org/faq.html.en#ExitPolicies** for more info.

  Important
  Note that some misconfigured and/or disrespectful towards privacy sites will block you even if your relay is not an exit relay. That is, just being listed in a public relay directory can have unwanted consequences.

  Which means you might not want to use this role if you browse public Internet from the same network as your relay, unless you want to write e−mails to those sites (you should!).

  Important
  WARNING: THE FOLLOWING PARAGRAPH IS NOT LEGAL ADVICE. Consult with your lawyer when in doubt.

  The 'bridge' role should be safe to use in most situations (unless the act of forwarding traffic for

others is a punishable offence under your local laws, which would be pretty insane as it would make ISP illegal).

Type: one of “exit”, “relay”, “bridge”, “private−bridge”

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings
See **torrc manual** for documentation.

Type: open submodule of settings option

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.AccountingMax
See **torrc manual**.

Type: null or signed integer or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.AccountingStart
See **torrc manual**.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.Address
See **torrc manual**.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.AssumeReachable
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.AuthDirHasIPv6Connectivity

See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.AuthDirListBadExits

See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.AuthDirPinKeys

See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.AuthDirSharedRandomness

See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.AuthDirTestEd25519LinkKeys

See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.AuthoritativeDirectory

See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.AutomapHostsOnResolve
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.AutomapHostsSuffixes
See **torrc manual**.

Type: list of string

Default:

```
[
  ".onion"
  ".exit"
]
```

Example:

```
[
  ".onion"
]
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.BandwidthBurst
See **torrc manual**.

Type: null or signed integer or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.BandwidthRate
See **torrc manual**.

Type: null or signed integer or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.BridgeAuthoritativeDir
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.BridgeRecordUsageByCountry
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.BridgeRelay
See **torrc manual**.

Type: null or boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.CacheDirectory
See **torrc manual**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.CacheDirectoryGroupReadable
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.CellStatistics
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ClientAutoIPv6ORPort
See **torrc manual**.

Type: null or boolean

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ClientDNSRejectInternalAddresses
See **torrc manual**.

Type: null or boolean

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ClientOnionAuthDir
See **torrc manual**.

Type: null or absolute path

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ClientPreferIPv6DirPort
See **torrc manual**.

Type: null or boolean

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ClientPreferIPv6ORPort
See **torrc manual**.

Type: null or boolean

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ClientRejectInternalAddresses
See **torrc manual**.

Type: null or boolean

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ClientUseIPv4
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ClientUseIPv6
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ConnDirectionStatistics
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ConstrainedSockets
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ContactInfo
See **torrc manual**.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ControlPort
See **torrc manual**.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive) or value “auto” (singular enum) or list of (16 bit unsigned integer; between 0 and 65535 (both inclusive) or value “auto” (singular enum) or (submodule))

Default:

```
[ ]
```

Example:

```
[
  {
    port = 9051;
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ControlPortFileGroupReadable
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ControlPortWriteToFile
See **torrc manual**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ControlSocket
See **torrc manual**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ControlSocketsGroupWritable
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.CookieAuthFile
See **torrc manual**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.CookieAuthFileGroupReadable
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.CookieAuthentication
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.DNSPort
See **torrc manual**.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive) or value “auto” (singular enum) or (submodule) or list of (16 bit unsigned integer; between 0 and 65535 (both inclusive) or value “auto” (singular enum) or (submodule))

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.DataDirectory
See **torrc manual**.

Type: null or absolute path

Default:

```
"/var/lib/tor"
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.DataDirectoryGroupReadable
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.DirAllowPrivateAddresses

See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.DirCache

See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.DirPolicy

See **torrc manual**.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "accept *:*"
]
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.DirPort

See **torrc manual**.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive) or value “auto” (singular enum) or list of (16 bit unsigned integer; between 0 and 65535 (both inclusive) or value “auto” (singular enum) or (submodule))

Default:

```
[ ]
```

Example:

```
443
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.DirPortFrontPage

See **torrc manual**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.DirReqStatistics
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.DisableAllSwap
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.DisableDebuggerAttachment
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.DisableNetwork
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.DisableOOSCheck
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.DoSCircuitCreationEnabled
See **torrc manual**.

Type: null or boolean

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.DoSConnectionEnabled
See **torrc manual**.

Type: null or boolean

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.DoSRefuseSingleHopClientRendezvous
See **torrc manual**.

Type: null or boolean

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.DormantCanceledByStartup
See **torrc manual**.

Type: null or boolean

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.DormantOnFirstStartup
See **torrc manual**.

Type: null or boolean

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.DormantTimeoutDisabledByIdleStreams
See **torrc manual**.

Type: null or boolean

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.DownloadExtraInfo

See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.EnforceDistinctSubnets

See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.EntryStatistics

See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ExitPolicy

See **torrc manual**.

Type: list of string

Default:

```
[
  "reject *:*"
]
```

Example:

```
[
  "accept *:*"
]
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ExitPolicyRejectLocalInterfaces

See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ExitPolicyRejectPrivate

See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ExitPortStatistics

See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ExitRelay

See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ExtORPort

See **torrc manual**.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive) or value “auto” (singular enum) or (submodule)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ExtORPortCookieAuthFile

See **torrc manual**.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ExtORPortCookieAuthFileGroupReadable

See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ExtendAllowPrivateAddresses
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ExtraInfoStatistics
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.FascistFirewall
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.FetchDirInfoEarly
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.FetchDirInfoExtraEarly
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.FetchHidServDescriptors
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.FetchServerDescriptors
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.FetchUselessDescriptors
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.GeoIPFile
See **torrc manual**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.GeoIPv6File
See **torrc manual**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.GuardfractionFile
See **torrc manual**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.HSLayer2Nodes

See **torrc manual**.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.HSLayer3Nodes

See **torrc manual**.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.HTTPTunnelPort

See **torrc manual**.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive) or value “auto” (singular enum) or (submodule) or list of (16 bit unsigned integer; between 0 and 65535 (both inclusive) or value “auto” (singular enum) or (submodule))

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.HidServAuth

See **torrc manual**.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    auth = "xxxxxxxxxxxxxxxxxxxxxx";
    onion = "xxxxxxxxxxxxxxxx.onion";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.HidServAuth.*.auth

Authentication cookie.

Type: string matching the pattern [A−Za−z0−9+/]{22}

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.HidServAuth.*.onion
Onion address.

Type: string matching the pattern [a−z2−7]{16}\.onion

Example:

```
"xxxxxxxxxxxxxxx.onion"
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.HiddenServiceNonAnonymousMode
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.HiddenServiceStatistics
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.IPv6Exit
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.KeyDirectory
See **torrc manual**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.KeyDirectoryGroupReadable
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.LogMessageDomains
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.LongLivedPorts
See **torrc manual**.

Type: list of 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.MainloopStats
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.MaxAdvertisedBandwidth
See **torrc manual**.

Type: null or signed integer or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.MaxCircuitDirtiness
See **torrc manual**.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.MaxClientCircuitsPending

See **torrc manual**.

Type: null or signed integer

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.NATDPort

See **torrc manual**.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive) or value “auto” (singular enum) or (submodule) or list of (16 bit unsigned integer; between 0 and 65535 (both inclusive) or value “auto” (singular enum) or (submodule))

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.NewCircuitPeriod

See **torrc manual**.

Type: null or signed integer

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.Nickname

See **torrc manual**.

Type: null or string matching the pattern ^[a−zA−Z0−9]{1,19}$

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ORPort

See **torrc manual**.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive) or value “auto” (singular enum) or list of (16 bit unsigned integer; between 0 and 65535 (both inclusive) or value “auto” (singular enum) or (submodule))

Default:

```
[ ]
```

Example:

```
443
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.OfflineMasterKey

See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.OptimisticData

See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.PaddingStatistics

See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.PerConnBWBurst

See **torrc manual**.

Type: null or signed integer or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.PerConnBWRate

See **torrc manual**.

Type: null or signed integer or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.PidFile

See **torrc manual**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ProtocolWarnings
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.PublishHidServDescriptors
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.PublishServerDescriptor
See **torrc manual**.

Type: null or one of false, true, 0, 1, “0”, “1”, “v3”, “bridge”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ReachableAddresses
See **torrc manual**.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ReachableDirAddresses
See **torrc manual**.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ReachableORAddresses
See **torrc manual**.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ReducedExitPolicy

See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.RefuseUnknownExits

See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.RejectPlaintextPorts

See **torrc manual**.

Type: list of 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.RelayBandwidthBurst

See **torrc manual**.

Type: null or signed integer or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.RelayBandwidthRate

See **torrc manual**.

Type: null or signed integer or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.SOCKSPort

See **torrc manual**.

Type: list of (16 bit unsigned integer; between 0 and 65535 (both inclusive) or (submodule))

Default:

```
if config.services.tor.settings.HiddenServiceNonAnonymousMode == tr \
ue
then [ { port = 0; } ]
else [ ]
```

Example:

```
[
  {
    port = 9090;
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.Sandbox

See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ServerDNSAllowBrokenConfig

See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ServerDNSAllowNonRFC953Hostnames

See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ServerDNSDetectHijacking

See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ServerDNSRandomizeCase
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ServerDNSResolvConfFile
See **torrc manual**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ServerDNSSearchDomains
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ServerTransportPlugin
See **torrc manual**.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ServerTransportPlugin.exec
Command of pluggable transport.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ServerTransportPlugin.transports
List of pluggable transports.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "obfs2"
  "obfs3"
  "obfs4"
  "scramblesuit"
]
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.ShutdownWaitLength
See **torrc manual**.

Type: signed integer

Default:

```
30
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.SocksPolicy
See **torrc manual**.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "accept *:*"
]
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.TestingTorNetwork
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.TransPort
See **torrc manual**.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive) or value “auto” (singular enum) or (submodule) or list of (16 bit unsigned integer; between 0 and 65535 (both inclusive) or value “auto” (singular enum) or (submodule))

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.TransProxyType
See **torrc manual**.

Type: null or one of “default”, “TPROXY”, “ipfw”, “pf−divert”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.UnixSocksGroupWritable
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.UseDefaultFallbackDirs
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.UseMicrodescriptors
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.V3AuthUseLegacyKey
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.V3AuthoritativeDirectory
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.VersioningAuthoritativeDirectory
See **torrc manual**.

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.VirtualAddrNetworkIPv4
See **torrc manual**.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.VirtualAddrNetworkIPv6
See **torrc manual**.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.settings.WarnPlaintextPorts
See **torrc manual**.

Type: list of 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/security/tor.nix>

services.tor.torsocks.enable
Whether to build '/etc/tor/torsocks.conf' containing the specified global torsocks configuration.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/torsocks.nix>

services.tor.torsocks.allowInbound
Set Torsocks to accept inbound connections. If set to 'true', listen() and accept() will be allowed to be used with non localhost address.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/torsocks.nix>

services.tor.torsocks.fasterServer
IP/Port of the Tor SOCKS server for torsocks−faster wrapper suitable for HTTP. Currently, hostnames are NOT supported by torsocks.

Type: string

Default:

```
"127.0.0.1:9063"
```

Example:

```
"192.168.0.20:1234"
```

Declared by:
<nixpkgs/nixos/modules/services/security/torsocks.nix>

services.tor.torsocks.onionAddrRange
Tor hidden sites do not have real IP addresses. This specifies what range of IP addresses will be handed to the application as “cookies” for .onion names. Of course, you should pick a block of addresses which you aren’t going to ever need to actually connect to. This is similar to the MapAddress feature of the main tor daemon.

Type: string

Default:

```
"127.42.42.0/24"
```

Declared by:
<nixpkgs/nixos/modules/services/security/torsocks.nix>

services.tor.torsocks.server
IP/Port of the Tor SOCKS server. Currently, hostnames are NOT supported by torsocks.

Type: string

Default:

```
"127.0.0.1:9050"
```

Example:

```
"192.168.0.20:1234"
```

Declared by:
<nixpkgs/nixos/modules/services/security/torsocks.nix>

services.tor.torsocks.socks5Password
SOCKS5 password. The ‘TORSOCKS_PASSWORD’ environment variable overrides this option if it is set.

Type: null or string

Default:

```
null
```

Example:

```
"sekret"
```

Declared by:
<nixpkgs/nixos/modules/services/security/torsocks.nix>

services.tor.torsocks.socks5Username
SOCKS5 username. The ‘TORSOCKS_USERNAME’ environment variable overrides this option if it is set.

Type: null or string

Default:

```
null
```

Example:

```
"bob"
```

Declared by:
<nixpkgs/nixos/modules/services/security/torsocks.nix>

services.tor.tsocks.enable
Whether to build tsocks wrapper script to relay application traffic via Tor.

Important
You shouldn’t use this unless you know what you’re doing because your installation of Tor already comes with its own superior (doesn’t leak DNS queries) ‘torsocks’ wrapper which does pretty much exactly the same thing as this.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/torify.nix>

services.tor.tsocks.config
Extra configuration. Contents will be added verbatim to TSocks configuration file.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/security/torify.nix>

services.tor.tsocks.server
IP address of TOR client to use.

Type: string

Default:

```
"localhost:9050"
```

Example:

```
"192.168.0.20"
```

Declared by:
<nixpkgs/nixos/modules/services/security/torify.nix>

services.torque.mom.enable
Whether to enable torque computing node.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/computing/torque/mom.nix>

services.torque.mom.serverNode
Hostname running pbs server.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/computing/torque/mom.nix>

services.torque.server.enable
Whether to enable torque server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/computing/torque/server.nix>

services.torrentstream.enable
Whether to enable TorrentStream daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/torrentstream.nix>

services.torrentstream.package
The torrentstream package to use.

Type: package

Default:

```
pkgs.torrentstream
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/torrentstream.nix>

services.torrentstream.address
Address to listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/torrentstream.nix>

services.torrentstream.openFirewall
Open ports in the firewall for TorrentStream daemon.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/torrentstream.nix>

services.torrentstream.port
TorrentStream port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5082
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/torrentstream.nix>

services.touchegg.enable
Whether to enable touchegg, a multi−touch gesture recognizer.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/touchegg.nix>

services.touchegg.package
The touchegg package to use.

Type: package

Default:

```
pkgs.touchegg
```

Declared by:
<nixpkgs/nixos/modules/services/x11/touchegg.nix>

services.tox−node.enable
Whether to enable Tox Node service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tox−node.nix>

services.tox−node.keysFile
Path to the file where DHT keys are stored.

Type: string

Default:

```
"/var/lib/tox−node/keys"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tox−node.nix>

services.tox−node.lanDiscovery
Enable local network discovery.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tox−node.nix>

services.tox−node.logType
Logging implementation.

Type: one of “Stderr”, “Stdout”, “Syslog”, “None”

Default:

```
"Stderr"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tox−node.nix>

services.tox−node.motd
Message of the day

Type: string

Default:

```
"Hi from tox−rs! I’m up {{uptime}}. TCP: incoming {{tcp_packets_in \
}}, outgoing {{tcp_packets_out}}, UDP: incoming {{udp_packets_in}}, \
 outgoing {{udp_packets_out}}"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tox−node.nix>

services.tox−node.tcpAddresses
TCP addresses to run TCP relay.

Type: list of string

Default:

```
[
  "0.0.0.0:33445"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tox−node.nix>

services.tox−node.tcpConnectionLimit
Maximum number of active TCP connections relay can hold

Type: signed integer

Default:

```
8192
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tox−node.nix>

services.tox−node.threads
Number of threads for execution

Type: signed integer

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tox−node.nix>

services.tox−node.udpAddress
UDP address to run DHT node.

Type: string

Default:

```
"0.0.0.0:33445"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tox−node.nix>

services.toxBootstrapd.enable
Whether to enable the Tox DHT bootstrap daemon.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tox−bootstrapd.nix>

services.toxBootstrapd.extraConfig
Configuration for bootstrap daemon. See **https://github.com/irungentoo/toxcore/blob/master/other/bootstrap_daemon/tox−bootstrapd.conf** and **https://wiki.tox.chat/users/nodes**.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tox-bootstrapd.nix>

services.toxBootstrapd.keysFile
Node key file.

Type: string

Default:

```
"/var/lib/tox-bootstrapd/keys"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tox-bootstrapd.nix>

services.toxBootstrapd.port
Listening port (UDP).

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
33445
```

Declared by:
<nixpkgs/nixos/modules/services/networking/tox-bootstrapd.nix>

services.toxvpn.enable
Whether to enable toxvpn running on startup.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/toxvpn.nix>

services.toxvpn.auto_add_peers
peers to automatically connect to on startup

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "toxid1"
  "toxid2"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/toxvpn.nix>

services.toxvpn.localip
your ip on the vpn

Type: string

Default:

```
"10.123.123.1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/toxvpn.nix>

services.toxvpn.port
udp port for toxcore, port−forward to help with connectivity if you run many nodes behind one NAT

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
33445
```

Declared by:
<nixpkgs/nixos/modules/services/networking/toxvpn.nix>

services.tp−auto−kbbl.enable
Whether to enable auto toggle keyboard back−lighting on Thinkpads (and maybe other laptops) for Linux.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tp−auto−kbbl.nix>

services.tp−auto−kbbl.package
The tp−auto−kbbl package to use.

Type: package

Default:

```
pkgs.tp−auto−kbbl
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tp−auto−kbbl.nix>

services.tp−auto−kbbl.arguments
List of arguments appended to ‘./tp−auto−kbbl −−device [device] [arguments]’

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tp−auto−kbbl.nix>

services.tp−auto−kbbl.device

Device watched for activities.

Type: string

Default:

```
"/dev/input/event0"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/tp−auto−kbbl.nix>

services.traccar.enable

Whether to enable Traccar, an open source GPS tracking system.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/traccar.nix>

services.traccar.environmentFile

File containing environment variables to substitute in the configuration before starting Traccar.

Can be used for storing the secrets without making them available in the world−readable Nix store.

For example, you can set **services.traccar.settings.database.password = "$TRACCAR_DB_PASSWORD"** and then specify 'TRACCAR_DB_PASSWORD="<secret>"' in the environment file. This value will get substituted in the configuration file.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/traccar.nix>

services.traccar.settings

config.xml configuration as a Nix attribute set. This option is ignored if 'settingsFile' is set.

Nested attributes get translated to a properties entry in the traccar configuration. For instance: 'mail.smtp.port = "25"' results in the following entry: '<entry key='mail.smtp.port'>25</entry>'

Secrets should be specified using **environmentFile** instead of this world−readable attribute set. **Traccar − Configuration File**.

Type: unspecified value

Default:

```
{
  database = {
    driver = "org.h2.Driver";
    password = "";
    url = "jdbc:h2:/var/lib/traccar/traccar";
    user = "sa";
  };
  logger = {
```

```
    console = "true";
  };
  web = {
    override = "/var/lib/traccar/override";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/traccar.nix>

services.traccar.settingsFile
File used as configuration for traccar. When specified, **settings** is ignored.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/traccar.nix>

services.traefik.enable
Whether to enable Traefik web server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/traefik.nix>

services.traefik.package
The traefik package to use.

Type: package

Default:

```
pkgs.traefik
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/traefik.nix>

services.traefik.dataDir
Location for any persistent data traefik creates, ie. acme

Type: absolute path

Default:

```
"/var/lib/traefik"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/traefik.nix>

services.traefik.dynamicConfigFile

Path to traefik's dynamic configuration to use. (Using that option has precedence over 'dynamicConfigOptions')

Type: null or absolute path

Default:

```
null
```

Example:

```
/path/to/dynamic_config.toml
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/traefik.nix>

services.traefik.dynamicConfigOptions

Dynamic configuration for Traefik.

Type: TOML value

Default:

```
{ }
```

Example:

```
{
  http = {
    routers = {
      router1 = {
        rule = "Host(‘localhost‘)";
        service = "service1";
      };
    };
    services = {
      service1 = {
        loadBalancer = {
          servers = [
            {
              url = "http://localhost:8080";
            }
          ];
        };
      };
    };
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/traefik.nix>

services.traefik.environmentFiles

Files to load as environment file. Environment variables from this file will be substituted into the static configuration file using envsubst.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[
  "/run/secrets/traefik.env"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/traefik.nix>

services.traefik.group
Set the group that traefik runs under. For the docker backend this needs to be set to ‘docker’ instead.

Type: string

Default:

```
"traefik"
```

Example:

```
"docker"
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/traefik.nix>

services.traefik.staticConfigFile
Path to traefik’s static configuration to use. (Using that option has precedence over ‘staticConfigOptions’ and ‘dynamicConfigOptions’)

Type: null or absolute path

Default:

```
null
```

Example:

```
/path/to/static_config.toml
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/traefik.nix>

services.traefik.staticConfigOptions
Static configuration for Traefik.

Type: TOML value

Default:

```
{
  entryPoints = {
    http = {
      address = ":80";
    };
  };
}
```

Example:

```
{
  api = { };
  entryPoints = {
    http = {
      address = ":80";
    };
    web = {
      address = ":8080";
    };
```

```
    };
  }
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/traefik.nix>

services.trafficserver.enable
Whether to enable Apache Traffic Server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/trafficserver/default.nix>

services.trafficserver.cache
Caching rules that overrule the origin's caching policy.

Consult the **upstream documentation** for more details.

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
"dest_domain=example.com suffix=js action=never−cache"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/trafficserver/default.nix>

services.trafficserver.hosting
Partition the cache according to origin server or domain

Consult the **upstream documentation** for more details.

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
"domain=example.com volume=1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/trafficserver/default.nix>

services.trafficserver.ipAllow
Control client access to Traffic Server and Traffic Server connections to upstream servers.

Consult the **upstream documentation** for more details.

Type: null or YAML 1.1 value

Default: upstream defaults

Example:

```
{
  ip_allow = [{
```

```
      apply = "in";
      ip_addrs = "127.0.0.1";
      action = "allow";
      methods = "ALL";
    }];
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/trafficserver/default.nix>

services.trafficserver.logging
Configure logs.

Consult the **upstream documentation** for more details.

Type: null or YAML 1.1 value

Default: upstream defaults

Example:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/trafficserver/default.nix>

services.trafficserver.parent
Identify the parent proxies used in an cache hierarchy.

Consult the **upstream documentation** for more details.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
  dest_domain=. method=get parent="p1.example:8080; p2.example:8080 \
" round_robin=true
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/trafficserver/default.nix>

services.trafficserver.plugins
Controls run−time loadable plugins available to Traffic Server, as well as their configuration.

Consult the **upstream documentation** for more details.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/trafficserver/default.nix>

services.trafficserver.plugins.*.arg
arguments to pass to the plugin

Type: string

Default:

```
""
```

Example:

```
"--header=ATS-My-Debug"
```

Declared by:

<nixpkgs/nixos/modules/services/web-servers/trafficserver/default.nix>

services.trafficserver.plugins.*.path

Path to plugin. The path can either be absolute, or relative to the plugin directory.

Type: string

Example:

```
"xdebug.so"
```

Declared by:

<nixpkgs/nixos/modules/services/web-servers/trafficserver/default.nix>

services.trafficserver.records

List of configurable variables used by Traffic Server.

Consult the **upstream documentation** for more details.

Type: Traffic Server records value

Default:

```
{ }
```

Example:

```
{
  proxy = {
    config = {
      proxy_name = "my_server";
    };
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/web-servers/trafficserver/default.nix>

services.trafficserver.remap

URL remapping rules used by Traffic Server.

Consult the **upstream documentation** for more details.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
"map http://from.example http://origin.example"
```

Declared by:

<nixpkgs/nixos/modules/services/web-servers/trafficserver/default.nix>

services.trafficserver.sni

Configure aspects of TLS connection handling for both inbound and outbound connections.

Consult the **upstream documentation** for more details.

Type: null or YAML 1.1 value

Default:

```
null
```

Example:

```
{
  sni = [{
    fqdn = "no-http2.example.com";
    https = "off";
  }];
}
```

Declared by:

<nixpkgs/nixos/modules/services/web-servers/trafficserver/default.nix>

services.trafficserver.splitDns

Specify the DNS server that Traffic Server should use under specific conditions.

Consult the **upstream documentation** for more details.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
  dest_domain=internal.corp.example named="255.255.255.255:212 255. \
255.255.254" def_domain=corp.example search_list="corp.example corp \
1.example"
  dest_domain=!internal.corp.example named=255.255.255.253
```

Declared by:

<nixpkgs/nixos/modules/services/web-servers/trafficserver/default.nix>

services.trafficserver.sslMulticert

Configure SSL server certificates to terminate the SSL sessions.

Consult the **upstream documentation** for more details.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
"dest_ip=* ssl_cert_name=default.pem"
```

Declared by:

<nixpkgs/nixos/modules/services/web-servers/trafficserver/default.nix>

services.trafficserver.storage

List all the storage that make up the Traffic Server cache.

Consult the **upstream documentation** for more details.

Type: strings concatenated with “\n”

Default:

```
"/var/cache/trafficserver 256M"
```

Example:

```
"/dev/disk/by-id/XXXXX volume=1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/trafficserver/default.nix>

services.trafficserver.strategies
Specify the next hop proxies used in an cache hierarchy and the algorithms used to select the next proxy.

Consult the **upstream documentation** for more details.

Type: null or YAML 1.1 value

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/trafficserver/default.nix>

services.trafficserver.volume
Manage cache space more efficiently and restrict disk usage by creating cache volumes of different sizes.

Consult the **upstream documentation** for more details.

Type: null or YAML 1.1 value

Default:

```
""
```

Example:

```
"volume=1 scheme=http size=20%"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/trafficserver/default.nix>

services.transfer−sh.enable
Whether to enable Easy and fast file sharing from the command−line.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/transfer−sh.nix>

services.transfer−sh.package
The transfer−sh package to use.

Type: package

Default:

```
pkgs.transfer−sh
```

Declared by:
<nixpkgs/nixos/modules/services/misc/transfer−sh.nix>

services.transfer−sh.provider
Storage providers to use

Type: one of “local”, “s3”, “storj”, “gdrive”

Default:

```
"local"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/transfer−sh.nix>

services.transfer−sh.secretFile
Path to file containing environment variables. Useful for passing down secrets. Some variables that can be considered secrets are:

- AWS_ACCESS_KEY
- AWS_ACCESS_KEY
- TLS_PRIVATE_KEY
- HTTP_AUTH_HTPASSWD

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/transfer−sh.env"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/transfer−sh.nix>

services.transfer−sh.settings
Additional configuration for transfer−sh, see **https://github.com/dutchcoders/transfer.sh#usage−1** for supported values.

For secrets use secretFile option instead.

Type: open submodule of attribute set of (boolean or signed integer or string)

Default:

```
{ }
```

Example:

```
{
  BASEDIR = "/var/lib/transfer.sh";
  LISTENER = ":8080";
  TLS_LISTENER_ONLY = false;
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/transfer−sh.nix>

services.transmission.enable
Whether to enable the headless Transmission BitTorrent daemon.

Transmission daemon can be controlled via the RPC interface using transmission−remote, the WebUI (http://127.0.0.1:9091/ by default), or other clients like stig or tremc.

Torrents are downloaded to **services.transmission.home**/ Downloads by default and are accessible to users in the “transmission” group.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/transmission.nix>

services.transmission.package
The transmission package to use.

Type: package

Default:

```
if lib.versionAtLeast config.system.stateVersion "25.11" then
  pkgs.transmission_4
else
  «error message»
```

Example:

```
pkgs.transmission_4
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/transmission.nix>

services.transmission.credentialsFile
Path to a JSON file to be merged with the settings. Useful to merge a file which is better kept out of the Nix store to set secret config parameters like ‘rpc−password’.

Type: absolute path

Default:

```
"/dev/null"
```

Example:

```
"/var/lib/secrets/transmission/settings.json"
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/transmission.nix>

services.transmission.downloadDirPermissions
If not ‘null’, is used as the permissions set by ‘system.activationScripts.transmission−daemon’ on the directories **services.transmission.settings.download-dir**,

services.transmission.settings.incomplete-dir. and **services.transmission.settings.watch-dir**. Note that you may also want to change **services.transmission.settings.umask**.

Keep in mind, that if the default user is used, the ‘home’ directory is locked behind a ‘750’ permission, which affects all subdirectories as well. There are 3 ways to get around this:

1. (Recommended) add the users that should have access to the group set by **services.transmission.group**
2. Change **services.transmission.settings.download-dir** to be under a directory that has the right permissions
3. Change ‘systemd.services.transmission.serviceConfig.StateDirectoryMode’ to the same value as this option

Type: null or string

Default:

```
null
```

Example:

```
"770"
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/transmission.nix>

services.transmission.extraFlags
Extra flags passed to the transmission command in the service definition.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--log-debug"
]
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/transmission.nix>

services.transmission.group
Group account under which Transmission runs.

Type: string

Default:

```
"transmission"
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/transmission.nix>

services.transmission.home
The directory where Transmission will create ‘.config/transmission−daemon’. as well as ‘Downloads/’ unless **services.transmission.settings.download-dir** is changed, and ‘.incomplete/’ unless **services.transmission.settings.incomplete-dir** is changed.

Type: absolute path

Default:

```
"/var/lib/transmission"
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/transmission.nix>

services.transmission.openFirewall
Alias of **services.transmission.openPeerPorts**.

Type: boolean

Declared by:
<nixpkgs/nixos/modules/services/torrent/transmission.nix>

services.transmission.openPeerPorts
Whether to enable opening of the peer port(s) in the firewall.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/transmission.nix>

services.transmission.openRPCPort
Whether to enable opening of the RPC port in the firewall.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/transmission.nix>

services.transmission.performanceNetParameters
Whether to enable tweaking of kernel parameters to open many more connections at the same time.

Note that you may also want to increase ‘peer−limit−global’. And be aware that these settings are quite aggressive and might not suite your regular desktop use. For instance, SSH sessions may time out more easily.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/transmission.nix>

services.transmission.settings
Settings whose options overwrite fields in ‘.config/transmission−daemon/settings.json’ (each time the service starts).

See **Transmission’s documentation** for documentation of settings not explicitly covered by this module.

Type: open submodule of (JSON value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/transmission.nix>

services.transmission.settings.download−dir
Directory where to download torrents.

Type: absolute path

Default:

```
"${config.services.transmission.home}/Downloads"
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/transmission.nix>

services.transmission.settings.incomplete−dir

When enabled with services.transmission.home **services.transmission.settings.incomplete-dir-enabled**, new torrents will download the files to this directory. When complete, the files will be moved to download−dir **services.transmission.settings.download-dir**.

Type: absolute path

Default:

```
"${config.services.transmission.home}/.incomplete"
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/transmission.nix>

services.transmission.settings.incomplete−dir−enabled

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/transmission.nix>

services.transmission.settings.message−level

Set verbosity of transmission messages.

Type: integer between 0 and 6 (both inclusive)

Default:

```
2
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/transmission.nix>

services.transmission.settings.peer−port

The peer port to listen for incoming connections.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
51413
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/transmission.nix>

services.transmission.settings.peer−port−random−high

The maximum peer port to listen to for incoming connections when **services.transmission.settings.peer-port-random-on-start** is enabled.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
65535
```

Declared by:

<nixpkgs/nixos/modules/services/torrent/transmission.nix>

services.transmission.settings.peer−port−random−low

The minimal peer port to listen to for incoming connections when **services.transmission.settings.peer-port-random-on-start** is enabled.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
65535
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/transmission.nix>

services.transmission.settings.peer−port−random−on−start
Randomize the peer port.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/transmission.nix>

services.transmission.settings.rpc−bind−address
Where to listen for RPC connections. Use ‘0.0.0.0’ to listen on all interfaces.

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/transmission.nix>

services.transmission.settings.rpc−port
The RPC port to listen to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9091
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/transmission.nix>

services.transmission.settings.script−torrent−done−enabled
Whether to run **services.transmission.settings.script-torrent-done-filename** at torrent completion.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/transmission.nix>

services.transmission.settings.script−torrent−done−filename
Executable to be run at torrent completion.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/transmission.nix>

services.transmission.settings.trash−original−torrent−files
Whether to delete torrents added from the **services.transmission.settings.watch-dir**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/transmission.nix>

services.transmission.settings.umask
Sets transmission's file mode creation mask. See the **umask**(2) manpage for more information. Users who want their saved torrents to be world−writable may want to set this value to 0/‘"000"’.

Type: signed integer or string

Default:

```
"022"
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/transmission.nix>

services.transmission.settings.utp−enabled
Whether to enable **Micro Transport Protocol (µTP)**.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/transmission.nix>

services.transmission.settings.watch−dir
Watch a directory for torrent files and add them to transmission.

Type: absolute path

Default:

```
"${config.services.transmission.home}/watchdir"
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/transmission.nix>

services.transmission.settings.watch−dir−enabled
Whether to enable the **services.transmission.settings.watch-dir**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/transmission.nix>

services.transmission.user
User account under which Transmission runs.

Type: string

Default:

```
"transmission"
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/transmission.nix>

services.transmission.webHome
If not ‘null’, sets the value of the ‘TRANSMISSION_WEB_HOME’ environment variable used by the service. Useful for overriding the web interface files, without overriding the transmission package and thus requiring rebuilding it locally. Use this if you want to use an alternative web interface, such as ‘pkgs.flood−for−transmission’.

Type: null or absolute path

Default:

```
null
```

Example:

```
"pkgs.flood-for-transmission"
```

Declared by:
<nixpkgs/nixos/modules/services/torrent/transmission.nix>

services.tremor−rs.enable
Whether to enable Tremor event− or stream−processing system.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/tremor−rs.nix>

services.tremor−rs.host
The host tremor should be listening on

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/tremor−rs.nix>

services.tremor−rs.loggerSettings
Tremor logger configuration

Type: YAML 1.1 value

Default:

```
{
  refresh_rate = "30 seconds";
  appenders.stdout.kind = "console";
  root = {
    level = "warn";
    appenders = [ "stdout" ];
  };
  loggers = {
    tremor_runtime = {
      level = "debug";
```

```
        appenders = [ "stdout" ];
        additive = false;
      };
      tremor = {
        level = "debug";
        appenders = [ "stdout" ];
        additive = false;
      };
    };
  }
```

Example:

```
  {
    appenders = {
      stdout = {
        kind = "console";
      };
    };
    loggers = {
      tremor = {
        additive = false;
        appenders = [
          "stdout"
        ];
        level = "debug";
      };
      tremor_runtime = {
        additive = false;
        appenders = [
          "stdout"
        ];
        level = "debug";
      };
    };
    refresh_rate = "30 seconds";
    root = {
      appenders = [
        "stdout"
      ];
      level = "warn";
    };
  }
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/tremor-rs.nix>

services.tremor-rs.port

the port tremor should be listening on

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9898
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/tremor−rs.nix>

services.tremor−rs.tremorLibDir
Directory where to find /lib containing tremor script files

Type: absolute path

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/tremor−rs.nix>

services.tremor−rs.troyFileList
List of troy files to load.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/tremor−rs.nix>

services.trezord.enable
Enable Trezor bridge daemon, for use with Trezor hardware bitcoin wallets.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/trezord.nix>

services.trezord.emulator.enable
Enable Trezor emulator support.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/trezord.nix>

services.trezord.emulator.port
Listening port for the Trezor emulator.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
21324
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/trezord.nix>

services.trickster.enable
Enable Trickster.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/trickster.nix>

services.trickster.package
The trickster package to use.

Type: package

Default:

```
pkgs.trickster
```

Declared by:
<nixpkgs/nixos/modules/services/networking/trickster.nix>

services.trickster.configFile
Path to configuration file.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/trickster.nix>

services.trickster.instance−id
Instance ID for when running multiple processes (default null).

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/trickster.nix>

services.trickster.log−level
Level of Logging to use (debug, info, warn, error) (default “info”).

Type: string

Default:

```
"info"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/trickster.nix>

services.trickster.metrics−port
Port that the /metrics endpoint will listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8082
```

Declared by:
<nixpkgs/nixos/modules/services/networking/trickster.nix>

services.trickster.origin−type
Type of origin (prometheus, influxdb)

Type: one of “prometheus”, “influxdb”

Default:

```
"prometheus"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/trickster.nix>

services.trickster.origin−url
URL to the Origin. Enter it like you would in grafana, e.g., http://prometheus:9090 (default http://prometheus:9090).

Type: string

Default:

```
"http://prometheus:9090"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/trickster.nix>

services.trickster.profiler−port
Port that the /debug/pprof endpoint will listen on.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/trickster.nix>

services.trickster.proxy−port
Port that the Proxy server will listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9090
```

Declared by:
<nixpkgs/nixos/modules/services/networking/trickster.nix>

services.triggerhappy.enable
Whether to enable the **triggerhappy** hotkey daemon.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/triggerhappy.nix>

services.triggerhappy.bindings
Key bindings for **triggerhappy**.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[ { keys = ["PLAYPAUSE"];  cmd = "${lib.getExe pkgs.mpc} -q toggle \
"; } ]
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/triggerhappy.nix>

services.triggerhappy.bindings.*.cmd
What to run.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/hardware/triggerhappy.nix>

services.triggerhappy.bindings.*.event
Event to match.

Type: one of “press”, “hold”, “release”

Default:

```
"press"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/triggerhappy.nix>

services.triggerhappy.bindings.*.keys
List of keys to match. Key names as defined in linux/input-event-codes.h

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/triggerhappy.nix>

services.triggerhappy.extraConfig
Literal contents to append to the end of **triggerhappy** configuration file.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/triggerhappy.nix>

services.triggerhappy.user
User account under which **triggerhappy** runs.

Type: string

Default:

```
"nobody"
```

Example:

```
"root"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/triggerhappy.nix>

services.trilium−server.enable
Whether to enable trilium−server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/trilium.nix>

services.trilium−server.package
The trilium−server package to use.

Type: package

Default:

```
pkgs.trilium-server
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/trilium.nix>

services.trilium−server.dataDir
The directory storing the notes database and the configuration.

Type: string

Default:

```
"/var/lib/trilium"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/trilium.nix>

services.trilium−server.environmentFile
File to load as the environment file. This allows you to pass secrets in without writing to the nix store.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/secrets/trilium.env"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/trilium.nix>

services.trilium−server.host
The host address to bind to (defaults to localhost).

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/trilium.nix>

services.trilium−server.instanceName
Instance name used to distinguish between different instances

Type: string

Default:

```
"Trilium"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/trilium.nix>

services.trilium−server.nginx
Configuration for nginx reverse proxy.

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/trilium.nix>

services.trilium−server.nginx.enable
Configure the nginx reverse proxy settings.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/trilium.nix>

services.trilium−server.nginx.hostName
The hostname use to setup the virtualhost configuration

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/trilium.nix>

services.trilium−server.noAuthentication
If set to true, no password is required to access the web frontend.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/trilium.nix>

services.trilium−server.noBackup
Disable periodic database backups.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/trilium.nix>

services.trilium−server.port

The port number to bind to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/trilium.nix>

services.tsidp.enable

Whether to enable tsidp server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/security/tsidp.nix>

services.tsidp.package

The tsidp package to use.

Type: package

Default:

```
pkgs.tsidp
```

Declared by:

<nixpkgs/nixos/modules/services/security/tsidp.nix>

services.tsidp.environmentFile

Path to an environment file loaded for the tsidp service.

This can be used to securely store tokens and secrets outside of the world−readable Nix store.

Example contents of the file:

```
TS_AUTH_KEY=YOUR_TAILSCALE_AUTHKEY
```

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/tsidp"
```

Declared by:

<nixpkgs/nixos/modules/services/security/tsidp.nix>

services.tsidp.settings.enableFunnel

Use Tailscale Funnel to make tsidp available on the public internet so it works with SaaS products.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/tsidp.nix>

services.tsidp.settings.enableSts
Enable OAuth token exchange using RFC 8693.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/tsidp.nix>

services.tsidp.settings.debugAllRequests
For development. Prints all requests and responses.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/tsidp.nix>

services.tsidp.settings.debugTsnet
For development. Enables debug level logging with tsnet connection.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/tsidp.nix>

services.tsidp.settings.hostName
The hostname to use for the tsnet node.

Type: string

Default:

```
"idp"
```

Declared by:
<nixpkgs/nixos/modules/services/security/tsidp.nix>

services.tsidp.settings.localPort
Listen on localhost:<port>.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/tsidp.nix>

services.tsidp.settings.logLevel
Set logging level: debug, info, warn, error.

Type: one of “debug”, “info”, “warn”, “error”

Default:

```
"info"
```

Declared by:
<nixpkgs/nixos/modules/services/security/tsidp.nix>

services.tsidp.settings.port
Port to listen on (default: 443).

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
443
```

Declared by:
<nixpkgs/nixos/modules/services/security/tsidp.nix>

services.tsidp.settings.useLocalTailscaled
Use local tailscaled instead of tsnet.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/tsidp.nix>

services.tsmBackup.enable
Whether to enable automatic backups with the IBM Storage Protect (Tivoli Storage Manager, TSM) client. This also enables **programs.tsmClient.enable** .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/backup/tsm.nix>

services.tsmBackup.autoTime
The backup service will be invoked automatically at the given date/time, which must be in the format described in **systemd.time**(5). The default ‘null’ disables automatic backups.

Type: null or non−empty string

Default:

```
null
```

Example:

```
"12:00"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/tsm.nix>

services.tsmBackup.command
The actual command passed to the ‘dsmc’ executable to start the backup.

Type: non−empty string

Default:

```
"backup"
```

Example:

```
"incr"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/tsm.nix>

services.tsmBackup.servername
Create a systemd system service 'tsm−backup.service' that starts a backup based on the given servername's stanza. Note that this server's **passwdDir** will default to */var/lib/tsm−backup/password* (but may be overridden); also, the service will use */var/lib/tsm−backup* as 'HOME' when calling 'dsmc'.

Type: non−empty string

Example:

```
"mainTsmServer"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/tsm.nix>

services.tt−rss.enable
Whether to enable tt−rss.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/tt−rss.nix>

services.tt−rss.enableGZipOutput
Selectively gzip output to improve wire performance. This requires PHP Zlib extension on the server. Enabling this can break tt−rss in several httpd/php configurations, if you experience weird errors and tt−rss failing to start, blank pages after login, or content encoding errors, disable it.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/tt−rss.nix>

services.tt−rss.auth.autoCreate
Allow authentication modules to auto−create users in tt−rss internal database when authenticated successfully.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/tt−rss.nix>

services.tt-rss.auth.autoLogin

Automatically login user on remote or other kind of externally supplied authentication, otherwise redirect to login form as normal. If set to true, users won't be able to set application language and settings profile.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/tt-rss.nix>

services.tt-rss.database.createLocally

Create the database and database user locally.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/tt-rss.nix>

services.tt-rss.database.host

Host of the database. Leave null to use Unix domain socket.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/tt-rss.nix>

services.tt-rss.database.name

Name of the existing database.

Type: string

Default:

```
"tt_rss"
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/tt-rss.nix>

services.tt-rss.database.password

The database user's password.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/tt-rss.nix>

services.tt-rss.database.passwordFile

The database user's password.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/tt−rss.nix>

services.tt−rss.database.port
The database's port. If not set, the default ports will be provided (5432 and 3306 for pgsql and mysql respectively).

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/tt−rss.nix>

services.tt−rss.database.type
Database to store feeds. Supported are pgsql and mysql.

Type: one of "pgsql", "mysql"

Default:

```
"pgsql"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/tt−rss.nix>

services.tt−rss.database.user
The database user. The user must exist and has access to the specified database.

Type: string

Default:

```
"tt_rss"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/tt−rss.nix>

services.tt−rss.email.digestSubject
Subject line for email digests.

Type: string

Default:

```
"[tt−rss] New headlines for last 24 hours"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/tt−rss.nix>

services.tt−rss.email.fromAddress
Address for sending outgoing mail. This applies to password reset notifications, digest emails and any other mail.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/tt−rss.nix>

services.tt−rss.email.fromName

Name for sending outgoing mail. This applies to password reset notifications, digest emails and any other mail.

Type: string

Default:

```
"Tiny Tiny RSS"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/tt−rss.nix>

services.tt−rss.email.login

SMTP authentication login used when sending outgoing mail.

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/tt−rss.nix>

services.tt−rss.email.password

SMTP authentication password used when sending outgoing mail.

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/tt−rss.nix>

services.tt−rss.email.security

Used to select a secure SMTP connection. Allowed values: ssl, tls, or empty.

Type: one of “”, “ssl”, “tls”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/tt−rss.nix>

services.tt−rss.email.server

Hostname:port combination to send outgoing mail. Blank − use system MTA.

Type: string

Default:

```
""
```

Example:

```
"localhost:25"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/tt−rss.nix>

services.tt−rss.extraConfig

Additional lines to append to ‘config.php’.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/tt−rss.nix>

services.tt−rss.feedCryptKey

Key used for encryption of passwords for password−protected feeds in the database. A string of 24 random characters. If left blank, encryption is not used. Requires mcrypt functions. Warning: changing this key will make your stored feed passwords impossible to decrypt.

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/tt−rss.nix>

services.tt−rss.forceArticlePurge

When this option is not 0, users ability to control feed purging intervals is disabled and all articles (which are not starred) older than this amount of days are purged.

Type: signed integer

Default:

Declared by:

<nixpkgs/nixos/modules/services/web−apps/tt−rss.nix>

services.tt−rss.logDestination

Log destination to use. Possible values: sql (uses internal logging you can read in Preferences −> System), syslog − logs to system log. Setting this to blank uses PHP logging (usually to http server error.log).

Type: one of “”, “sql”, “syslog”

Default:

```
"sql"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/tt−rss.nix>

services.tt−rss.phpPackage

php package to use for php fpm and update daemon.

Type: package

Default:

```
"pkgs.php"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/tt−rss.nix>

services.tt−rss.pluginPackages

List of plugins to install. The list elements are expected to be derivations. All elements in this derivation are automatically copied to the ‘plugins.local’ directory.

Type: list of package

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/tt−rss.nix>

services.tt−rss.plugins

List of plugins to load automatically for all users. System plugins have to be specified here. Please enable at least one authentication plugin here (auth_*). Users may enable other user plugins from Preferences/ Plugins but may not disable plugins specified in this list. Disabling auth_internal in this list would automatically disable reset password link on the login form.

Type: list of string

Default:

```
[
  "auth_internal"
  "note"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/tt−rss.nix>

services.tt−rss.pool

Name of existing phpfpm pool that is used to run web−application. If not specified a pool will be created automatically with default values.

Type: string

Default:

```
"tt-rss"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/tt−rss.nix>

services.tt−rss.pubSubHubbub.enable

Enable client PubSubHubbub support in tt−rss. When disabled, tt−rss won’t try to subscribe to PUSH feed updates.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/tt−rss.nix>

services.tt−rss.pubSubHubbub.hub

URL to a PubSubHubbub−compatible hub server. If defined, “Published articles” generated feed would automatically become PUSH−enabled.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/tt−rss.nix>

services.tt−rss.registration.enable
Allow users to register themselves. Please be aware that allowing random people to access your tt−rss installation is a security risk and potentially might lead to data loss or server exploit. Disabled by default.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/tt−rss.nix>

services.tt−rss.registration.maxUsers
Maximum amount of users which will be allowed to register on this system. 0 − no limit.

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/services/web−apps/tt−rss.nix>

services.tt−rss.registration.notifyAddress
Email address to send new user notifications to.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/tt−rss.nix>

services.tt−rss.root
Root of the application.

Type: absolute path

Default:

```
"/var/lib/tt-rss"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/tt−rss.nix>

services.tt−rss.selfUrlPath
Full URL of your tt−rss installation. This should be set to the location of tt−rss directory, e.g. http://example.org/tt−rss/ You need to set this option correctly otherwise several features including PUSH, bookmarklets and browser integration will not work properly.

Type: string

Example:

```
"http://localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/tt−rss.nix>

services.tt−rss.sessionCookieLifetime

Default lifetime of a session (e.g. login) cookie. In seconds, 0 means cookie will be deleted when browser closes.

Type: signed integer

Default:

```
86400
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/tt−rss.nix>

services.tt−rss.simpleUpdateMode

Enables fallback update mode where tt−rss tries to update feeds in background while tt−rss is open in your browser. If you don't have a lot of feeds and don't want to or can't run background processes while not running tt−rss, this method is generally viable to keep your feeds up to date. Still, there are more robust (and recommended) updating methods available, you can read about them here: **https://tt−rss.org/wiki/UpdatingFeeds**

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/tt−rss.nix>

services.tt−rss.singleUserMode

Operate in single user mode, disables all functionality related to multiple users and authentication. Enabling this assumes you have your tt−rss directory protected by other means (e.g. http auth).

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/tt−rss.nix>

services.tt−rss.sphinx.index

Index names in Sphinx configuration. Example configuration files are available on tt−rss wiki.

Type: list of string

Default:

```
[
  "ttrss"
  "delta"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/tt−rss.nix>

services.tt−rss.sphinx.server

Hostname:port combination for the Sphinx server.

Type: string

Default:

```
"localhost:9312"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/tt−rss.nix>

services.tt−rss.themePackages
List of themes to install. The list elements are expected to be derivations. All elements in this derivation are automatically copied to the ‘themes.local’ directory.

Type: list of package

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/tt−rss.nix>

services.tt−rss.updateDaemon.commandFlags
Command−line flags passed to the update daemon. The default −−quiet flag mutes all logging, including errors.

Type: string

Default:

```
"−−quiet"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/tt−rss.nix>

services.tt−rss.user
User account under which both the update daemon and the web−application run.

Type: string

Default:

```
"tt_rss"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/tt−rss.nix>

services.tt−rss.virtualHost
Name of the nginx virtualhost to use and setup. If null, do not setup any virtualhost.

Type: null or string

Default:

```
"tt−rss"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/tt−rss.nix>

services.tts.servers
TTS server instances.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  english = {
    port = 5300;
    model = "tts_models/en/ljspeech/tacotron2−DDC";
  };
```

```
  german = {
    port = 5301;
    model = "tts_models/de/thorsten/tacotron2-DDC";
  };
  dutch = {
    port = 5302;
    model = "tts_models/nl/mai/tacotron2-DDC";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/audio/tts.nix>

services.tts.servers.<name>.enable
Whether to enable Coqui TTS server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/audio/tts.nix>

services.tts.servers.<name>.extraArgs
Extra arguments to pass to the server commandline.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/audio/tts.nix>

services.tts.servers.<name>.model
Name of the model to download and use for speech synthesis.

Check ‘tts-server --list_models’ for possible values.

Set to ‘null’ to use a custom model.

Type: null or string

Default:

```
"tts_models/en/ljspeech/tacotron2-DDC"
```

Example:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/audio/tts.nix>

services.tts.servers.<name>.port
Port to bind the TTS server to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Example:

```
5000
```

Declared by:
<nixpkgs/nixos/modules/services/audio/tts.nix>

services.tts.servers.<name>.useCuda
Whether to offload computation onto a CUDA compatible GPU.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/audio/tts.nix>

services.ttyd.enable
Whether to enable ttyd daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/ttyd.nix>

services.ttyd.enableIPv6
Whether or not to enable IPv6 support.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/ttyd.nix>

services.ttyd.enableSSL
Whether or not to enable SSL (https) support.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/ttyd.nix>

services.ttyd.caFile
SSL CA file path for client certificate verification.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/ttyd.nix>

services.ttyd.certFile
SSL certificate file path.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/ttyd.nix>

services.ttyd.checkOrigin
Whether to allow a websocket connection from a different origin.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/ttyd.nix>

services.ttyd.clientOptions
Attribute set of client options for xtermjs. **https://xtermjs.org/docs/api/terminal/interfaces/itermi-naloptions/**

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  fontSize = "16";
  fontFamily = "Fira Code";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/ttyd.nix>

services.ttyd.entrypoint
Which command ttyd runs.

Type: list of string

Default:

```
[ "${pkgs.shadow}/bin/login" ]
```

Example:

```
[ (lib.getExe pkgs.htop) ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/ttyd.nix>

services.ttyd.indexFile

Custom index.html path

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/ttyd.nix>

services.ttyd.interface

Network interface to bind.

Type: null or string

Default:

```
null
```

Example:

```
"eth0"
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/ttyd.nix>

services.ttyd.keyFile

SSL key file path. For insecurely putting the keyFile in the globally readable store use ‘pkgs.writeText "ttydKeyFile" "SSLKEY"’.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/ttyd.nix>

services.ttyd.logLevel

Set log level.

Type: signed integer

Default:

```
7
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/ttyd.nix>

services.ttyd.maxClients

Maximum clients to support (0, no limit)

Type: signed integer

Default:

Declared by:

<nixpkgs/nixos/modules/services/web−servers/ttyd.nix>

services.ttyd.passwordFile

File containing the password to use for basic http authentication. For insecurely putting the password in the globally readable store use ‘pkgs.writeText "ttydpw" "MyPassword"’.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/ttyd.nix>

services.ttyd.port
Port to listen on (use 0 for random port)

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
7681
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/ttyd.nix>

services.ttyd.signal
Signal to send to the command on session close.

Type: 8 bit unsigned integer; between 0 and 255 (both inclusive)

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/ttyd.nix>

services.ttyd.socket
UNIX domain socket path to bind.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/run/ttyd.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/ttyd.nix>

services.ttyd.terminalType
Terminal type to report.

Type: string

Default:

```
"xterm-256color"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/ttyd.nix>

services.ttyd.user
Which unix user ttyd should run as.

Type: string

Default:

```
"root"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/ttyd.nix>

services.ttyd.username

Username for basic http authentication.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/ttyd.nix>

services.ttyd.writeable

Allow clients to write to the TTY.

Type: null or boolean

Default:

```
null
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/ttyd.nix>

services.tuliprox.enable

Whether to enable Tuliprox IPTV playlist processor & proxy.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/tuliprox.nix>

services.tuliprox.package

The tuliprox package to use.

Type: package

Default:

```
pkgs.tuliprox
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/tuliprox.nix>

services.tuliprox.apiProxySettings

Users and proxy configuration

Refer to the **Tuliprox documentation** for available attributes

Type: YAML 1.1 value

Default:

```
null
```

Example:

```
{
  server = [
```

```
      {
        host = "192.169.1.9";
        message = "Welcome to tuliprox";
        name = "default";
        port = 8901;
        protocol = "http";
        timezone = "Europe/Paris";
      }
      {
        host = "tuliprox.mydomain.tv";
        message = "Welcome to tuliprox";
        name = "external";
        port = 443;
        protocol = "https";
        timezone = "Europe/Paris";
      }
    ];
    user = [
      {
        credentials = [
          {
            exp_date = 1672705545;
            max_connections = 1;
            password = "secret1";
            proxy = "reverse";
            server = "default";
            status = "Active";
            token = "token1";
            username = "test1";
          }
        ];
        target = "xc_m3u";
      }
    ];
  }
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/tuliprox.nix>

services.tuliprox.extraArgs

Additional command−line arguments for the systemd service.

Refer to the **Tuliprox documentation** for available arguments.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/tuliprox.nix>

services.tuliprox.mappingSettings

Templates configuration

Refer to the **Tuliprox documentation** for available attributes

Type: YAML 1.1 value

Default:

```
null
```

Example:

```
{
  mappings = {
    mapping = [
      {
        id = "iptv-org";
        mapper = [
          {
            filter = "!bbc!";
            script = ''
              @Group = "BBC"
            '';
          }
          {
            filter = "!documentary!";
            script = ''
              @Group = "Documentary"
            '';
          }
          {
            filter = "!entertainment!";
            script = ''
              @Group = "Entertainment"
            '';
          }
          {
            filter = "!pluto_tv!";
            script = ''
              @Group = "Pluto TV"
            '';
          }
          {
            filter = "!business!";
            script = ''
              @Group = "News"
            '';
          }
          {
            filter = "Input ~ \"iptv-org\"";
            script = ''
              @Caption = concat(@Caption, " (iptv-org)")
            '';
          }
        ];
        match_as_ascii = true;
```

```
            }
          ];
          templates = [
            {
              name = "bbc";
              value = "Title ~ \"^BBC\"";
            }
            {
              name = "documentary";
              value = "(Group ~ \"(Documentary|Outdoor)\")";
            }
            {
              name = "entertainment";
              value = "Group ~ \"Entertainment\"";
            }
            {
              name = "pluto_tv";
              value = "(Caption ~ \"Pluto TV\") AND NOT(Caption ~ \
       \"Sports\")";
            }
            {
              name = "business";
              value = "Group ~ \"Business\"";
            }
          ];
        };
      }
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/tuliprox.nix>

services.tuliprox.sourceSettings

Source definitions

Refer to the **Tuliprox documentation** for available attributes

Type: YAML 1.1 value

Default:

```
null
```

Example:

```
{
  sources = [
    {
      inputs = [
        {
          name = "iptv-org";
          type = "m3u";
          url = "https://iptv-org.github.io/iptv/countries/uk.m3u" \
;
        }
      ];
      targets = [
        {
          filter = "!final_channel_lineup!";
```

```
                mapping = [
                  "iptv-org"
                ];
                name = "iptv-org";
                options = {
                  ignore_logo = false;
                  share_live_streams = true;
                };
                output = [
                  {
                    type = "xtream";
                  }
                  {
                    filename = "iptv.m3u";
                    type = "m3u";
                  }
                  {
                    device = "hdhr1";
                    type = "hdhomerun";
                    username = "local";
                  }
                ];
              }
            ];
          }
        ];
        templates = [
          {
            name = "not_red_button";
            value = "NOT (Title ~ \"(?i).*red button.*\")";
          }
          {
            name = "not_low_resolution";
            value = "NOT (Title ~ \"(?i).*(360p|240p).*\")";
          }
          {
            name = "all_channels";
            value = "Title ~ \".*\"";
          }
          {
            name = "final_channel_lineup";
            value = "!all_channels! AND !not_red_button! AND !not_low_res \
olution!";
          }
        ];
      }
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/tuliprox.nix>

services.tuliprox.systemSettings

Main config file

Refer to the **Tuliprox documentation** for available attributes

Type: YAML 1.1 value

Default:

```
null
```

Example:

```
{
  api = {
    host = "0.0.0.0";
    port = 8901;
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/tuliprox.nix>

services.tumbler.enable

Whether to enable Tumbler, A D−Bus thumbnailer service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/desktops/tumbler.nix>

services.tuned.enable

Whether to enable TuneD.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/tuned.nix>

services.tuned.package

The tuned package to use.

Type: package

Default:

```
pkgs.tuned
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/tuned.nix>

services.tuned.ppdSettings

Settings for TuneD's power−profiles−daemon compatibility service.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/tuned.nix>

services.tuned.ppdSettings.battery

Map of PPD battery states to TuneD profiles.

Type: attribute set of string

Default:

```
{
  balanced = "balanced-battery";
}
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/tuned.nix>

services.tuned.ppdSettings.main

Core configuration for power−profiles−daemon support.

Type: submodule

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/tuned.nix>

services.tuned.ppdSettings.main.battery_detection

Whether to enable battery detection.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/tuned.nix>

services.tuned.ppdSettings.main.default

Default PPD profile.

Type: string

Default:

```
"balanced"
```

Example:

```
"performance"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/tuned.nix>

services.tuned.ppdSettings.profiles
Map of PPD profiles to native TuneD profiles.

Type: attribute set of string

Default:

```
{
  balanced = "balanced";
  performance = "throughput-performance";
  power-saver = "powersave";
}
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/tuned.nix>

services.tuned.ppdSupport
Whether to enable translation of power-profiles-daemon API calls to TuneD.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/tuned.nix>

services.tuned.profiles
Profiles for TuneD. See **tuned.conf**(5) for details.

Type: attribute set of (open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string)))

Default:

```
{ }
```

Example:

```
{
  my-cool-profile = {
    main = {
      include = "my-other-cool-profile";
    };
    my_sysctl = {
      "net.core.rmem_default" = 262144;
      "net.core.wmem_default" = 262144;
      replace = true;
      type = "sysctl";
    };
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/tuned.nix>

services.tuned.recommend
TuneD rules for ‘recommend_profile’, written to ‘/etc/tuned/recommend.conf’.

At startup, the daemon evaluates the file in alphabetical order. The first matching entry is applied. Empty profile rules always match.

If ‘services.tuned.ppdSupport’ is ‘true’, settings in ‘services.tuned.ppdSettings’ take precedence over both the default behaviour and ‘services.tuned.recommend’. For example: ‘services.tuned.ppdSettings.main.default = "performance";’ ensures the corresponding PPD profile is applied regardless of ‘services.tuned.recommend’ setting.

If ‘ppdSupport’ is ‘false’, only ‘services.tuned.recommend’ is used; if ‘recommend’ is empty, TuneD’s default behaviour applies.

See **tuned−main.conf**(5) for more details.

Type: attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Example:

```
# Enable ‘virtual−guest‘ profile for VM guests
virtual−guest = {
  virt = ".+";
};
# Default to the ‘desktop‘ profile for all other systems
desktop = { };
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/tuned.nix>

services.tuned.settings
Configuration for TuneD. See **tuned−main.conf**(5) for details.

Type: open submodule of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/tuned.nix>

services.tuned.settings.daemon
Whether to enable the use of a daemon for TuneD.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/tuned.nix>

services.tuned.settings.default_instance_priority
Default instance (unit) priority.

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/services/hardware/tuned.nix>

services.tuned.settings.dynamic_tuning
Whether to enable dynamic tuning.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/tuned.nix>

services.tuned.settings.globalSection
global section of an INI file (attrs of INI atom (null, bool, int, float or string))

Type: section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

services.tuned.settings.profile_dirs
Directories to search for profiles, separated by ‘,’ or ‘;’.

Type: string

Default:

```
"/etc/tuned/profiles"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/tuned.nix>

services.tuned.settings.reapply_sysctl
Whether to enable the reapplying of global sysctls after TuneD sysctls are applied.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/tuned.nix>

services.tuned.settings.recommend_command
Whether to enable recommend functionality.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/tuned.nix>

services.tuned.settings.sections
attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Type: attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

services.tuned.settings.sleep_interval
Interval in which the TuneD daemon is waken up and checks for events (in seconds).

Type: signed integer

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/tuned.nix>

services.tuned.settings.update_interval
Update interval for dynamic tuning (in seconds).

Type: signed integer

Default:

```
10
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/tuned.nix>

services.tuptime.enable
Whether to enable the total uptime service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/tuptime.nix>

services.tuptime.timer.enable
Whether to regularly log uptime to detect bad shutdowns.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/tuptime.nix>

services.tuptime.timer.period
systemd calendar event

Type: string

Default:

```
"*:0/5"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/tuptime.nix>

services.turborepo−remote−cache.enable
Enables the daemon for ‘turborepo−remote−cache’, an open source implementation of the Turborepo custom remote cache server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/development/turborepo−remote−cache.nix>

services.turborepo−remote−cache.package
The turborepo−remote−cache package to use.

Type: package

Default:

```
pkgs.turborepo−remote−cache
```

Declared by:
<nixpkgs/nixos/modules/services/development/turborepo−remote−cache.nix>

services.turborepo−remote−cache.environment
Environment variables to set.

Turborepo−remote−cache is configured through the use of environment variables. The available configuration options can be found in the **documentation**.

Note that all environment variables set through this configuration parameter will be readable by anyone with access to the host machine. Therefore, sensitive information like **TURBO_TOKEN** should never be set using this configuration option, but should instead use **services.turborepo-remote-cache.environmentFile**. See the documentation for that option for more information.

Any environment variables specified in the **services.turborepo-remote-cache.environmentFile** will supersede environment variables specified in this option.

Type: attribute set of (null or boolean or signed integer or string)

Default:

```
{ }
```

Example:

```
{
  NODE_ENV = "production";
  PORT = 8080;
}
```

Declared by:
<nixpkgs/nixos/modules/services/development/turborepo−remote−cache.nix>

services.turborepo−remote−cache.environmentFile
Additional environment file as defined in **systemd.exec**(5).

Secrets like **TURBO_TOKEN** may be passed to the service without making them readable to everyone with access to systemctl by using this configuration parameter.

Note that this file needs to be available on the host on which 'turborepo−remote−cache' is running.

See the **documentation** and the **services.turborepo-remote-cache.environment** configuration parameter for further options.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/turborepo−remote−cache.env"
```

Declared by:
<nixpkgs/nixos/modules/services/development/turborepo−remote−cache.nix>

services.turborepo−remote−cache.openFirewall
Open ports in the firewall for turborepo−remote−cache daemon.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/development/turborepo−remote−cache.nix>

services.turn−rs.enable
Whether to enable turn−rs server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/turn−rs.nix>

services.turn−rs.package
The turn−rs package to use.

Type: package

Default:

```
pkgs.turn−rs
```

Declared by:
<nixpkgs/nixos/modules/services/misc/turn−rs.nix>

services.turn−rs.secretFile

Environment variables from this file will be interpolated into the final config file using envsubst with this syntax: '$ENVIRONMENT' or '${VARIABLE}'. The file should contain lines formatted as 'SECRET_VAR=SECRET_VALUE'. This is useful to avoid putting secrets into the nix store.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/turn−rs.env"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/turn−rs.nix>

services.turn−rs.settings

Turn−rs server config file

Type: open submodule of (TOML value)

Default:

```
{ }
```

Example:

```
{
  auth = {
    static_credentials = {
      user1 = "test";
      user2 = "test";
    };
  };
  turn = {
    interfaces = [
      {
        bind = "127.0.0.1:3478";
        external = "127.0.0.1:3478";
        transport = "udp";
      }
      {
        bind = "127.0.0.1:3478";
        external = "127.0.0.1:3478";
        transport = "tcp";
      }
    ];
    realm = "localhost";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/misc/turn−rs.nix>

services.tusd.enable

Whether to enable tus resumable upload protocol server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/tusd.nix>

services.tusd.basePath

The basepath of the HTTP server.

Type: string

Default:

```
"/files/"
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/tusd.nix>

services.tusd.behindProxy

Whether to respect X−Forwarded−* and similar headers which may be set by proxies.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/tusd.nix>

services.tusd.extraArgs

Additional arguments given to tusd.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "−verbose"
  "−log−format=json"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/tusd.nix>

services.tusd.hooksEnabledEvents

The list of enabled hook events.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "pre-create"
  "post-finish"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/tusd.nix>

services.tusd.hooksHttp
The HTTP endpoint to which hook events will be sent to.

Type: null or string

Default:

```
null
```

Example:

```
"http://localhost:8081/hooks"
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/tusd.nix>

services.tusd.host
The host to bind the HTTP server to.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/tusd.nix>

services.tusd.maxSize
The maximum size of a single upload in bytes.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/tusd.nix>

services.tusd.networkTimeout
The timeout for reading the request and writing the response. If tusd does not receive data for this duration, it will consider the connection dead.

Type: null or string

Default:

```
null
```

Example:

```
"30s"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/tusd.nix>

services.tusd.openFirewall
Whether to open the firewall port for tusd.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/tusd.nix>

services.tusd.port
The port to bind the HTTP server to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/tusd.nix>

services.tusd.uploadDir
The directory to store uploads in.

Type: absolute path

Default:

```
"/var/lib/tusd/data"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/tusd.nix>

services.twingate.enable
Whether to enable Twingate Client daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/twingate.nix>

services.twingate.package
The twingate package to use.

Type: package

Default:

```
pkgs.twingate
```

Declared by:
<nixpkgs/nixos/modules/services/networking/twingate.nix>

services.typesense.enable

Whether to enable typesense.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/search/typesense.nix>

services.typesense.package

The typesense package to use.

Type: package

Default:

```
pkgs.typesense
```

Declared by:

<nixpkgs/nixos/modules/services/search/typesense.nix>

services.typesense.apiKeyFile

Sets the admin api key for typesense. Always use this option instead of **settings.server.api−key** to prevent the key from being written to the world−readable nix store.

Type: absolute path

Declared by:

<nixpkgs/nixos/modules/services/search/typesense.nix>

services.typesense.settings

Typesense configuration. Refer to **the documentation** for supported values.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string) or a non−empty list of them)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/search/typesense.nix>

services.typesense.settings.server.api−address

Address to which Typesense API service binds.

Type: string

Declared by:

<nixpkgs/nixos/modules/services/search/typesense.nix>

services.typesense.settings.server.api−port

Port on which the Typesense API service listens.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8108
```

Declared by:
<nixpkgs/nixos/modules/services/search/typesense.nix>

services.typesense.settings.server.data−dir
Path to the directory where data will be stored on disk.

Type: string

Default:

```
"/var/lib/typesense"
```

Declared by:
<nixpkgs/nixos/modules/services/search/typesense.nix>

services.tzupdate.enable
Enable the tzupdate timezone updating service. This provides a one−shot service which can be activated with systemctl to update the timezone.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tzupdate.nix>

services.tzupdate.package
The tzupdate package to use.

Type: package

Default:

```
pkgs.tzupdate
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tzupdate.nix>

services.tzupdate.timer.enable
Enable the tzupdate timer to update the timezone automatically.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tzupdate.nix>

services.tzupdate.timer.interval
The interval at which the tzupdate timer should run. See **systemd.time**(7) to understand the format.

Type: string

Default:

```
"hourly"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/tzupdate.nix>

services.u9fs.enable

Whether to run the u9fs 9P server for Unix.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/u9fs.nix>

services.u9fs.extraArgs

Extra arguments to pass on invocation, see **man 4 u9fs**

Type: string

Default:

```
""
```

Example:

```
"−a none"
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/u9fs.nix>

services.u9fs.listenStreams

Sockets to listen for clients on. See **man 5 systemd.socket** for socket syntax.

Type: list of string

Default:

```
[
  "564"
]
```

Example:

```
[
  "192.168.16.1:564"
]
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/u9fs.nix>

services.u9fs.user

User to run u9fs under.

Type: string

Default:

```
"nobody"
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/u9fs.nix>

services.udev.enable

Whether to enable udev, a device manager for the Linux kernel.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/udev.nix>

services.udev.packages

List of packages containing **udev** rules. All files found in *«pkg»/etc/udev/rules.d* and *«pkg»/lib/udev/rules.d* will be included.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/udev.nix>

services.udev.extraHwdb

Additional **hwdb** files. They'll be written into file *99−local.hwdb*. Thus they are read after all other files.

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
evdev:input:b0003v05AFp8277*
  KEYBOARD_KEY_70039=leftalt
  KEYBOARD_KEY_700e2=leftctrl
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/udev.nix>

services.udev.extraRules

Additional **udev** rules. They'll be written into file *99−local.rules*. Thus they are read and applied after all other rules.

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
  ENV{ID_VENDOR_ID}=="046d", ENV{ID_MODEL_ID}=="0825", ENV{PULSE_IG \
NORE}="1"
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/udev.nix>

services.udev.path

Packages added to the **PATH** environment variable when executing programs from Udev rules.

coreutils, gnu{sed,grep}, util−linux and config.systemd.package are automatically included.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/udev.nix>

services.udisks2.enable

Whether to enable udisks2, a DBus service that allows applications to query and manipulate storage devices.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/udisks2.nix>

services.udisks2.package

The udisks package to use.

Type: package

Default:

```
pkgs.udisks
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/udisks2.nix>

services.udisks2.mountOnMedia

When enabled, instructs udisks2 to mount removable drives under '/media/' directory, instead of the default, ACL−controlled '/run/media/$USER/'. Since '/media/' is not mounted as tmpfs by default, it requires cleanup to get rid of stale mountpoints; enabling this option will take care of this at boot.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/udisks2.nix>

services.udisks2.settings

Options passed to udisksd. See **here** and drive configuration in **here** for supported options.

Type: attribute set of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string) or a non−empty list of them)

Default:

```
{
  "udisks2.conf" = {
    defaults = {
      encryption = "luks2";
    };
    udisks2 = {
      modules = [
        "*"
      ];
      modules_load_preference = "ondemand";
    };
  };
}
```

Example:

```
{
  "WDC-WD10EZEX-60M2NA0-WD-WCC3F3SJ0698.conf" = {
    ATA = {
      StandbyTimeout = 50;
    };
  };
};
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/udisks2.nix>

services.udp-over-tcp.package
The udp-over-tcp package to use.

Type: package

Default:

```
pkgs.udp-over-tcp
```

Declared by:
<nixpkgs/nixos/modules/services/networking/udp-over-tcp.nix>

services.udp-over-tcp.tcp2udp
Mapping of TCP listening ports to UDP forwarding ports or configurations.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "0.0.0.0:443" = {
    forward = "127.0.0.1:51820";
    openFirewall = true;
  };
  "0.0.0.0:444" = {
    threads = 2;
    forward = "127.0.0.1:51821";
    bind = "127.0.0.1";
    recvBufferSize = 16384;
    sendBufferSize = 16384;
    recvTimeout = 10;
    fwmark = 1337;
    nodelay = true;
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/udp-over-tcp.nix>

services.udp-over-tcp.tcp2udp.<name>.bind
Which local IP to bind the UDP socket to.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/udp−over−tcp.nix>

services.udp−over−tcp.tcp2udp.<name>.forward
The IP and port to forward all traffic to.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/udp−over−tcp.nix>

services.udp−over−tcp.tcp2udp.<name>.fwmark
If given, sets the SO_MARK option on the TCP socket.

Type: null or 32 bit unsigned integer; between 0 and 4294967295 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/udp−over−tcp.nix>

services.udp−over−tcp.tcp2udp.<name>.nodelay
Enables TCP_NODELAY on the TCP socket.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/udp−over−tcp.nix>

services.udp−over−tcp.tcp2udp.<name>.openFirewall
Open the appropriate ports in the firewall.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/udp−over−tcp.nix>

services.udp−over−tcp.tcp2udp.<name>.recvBufferSize
If given, sets the SO_RCVBUF option on the TCP socket to the given number of bytes. Changes the size of the operating system's receive buffer associated with the socket.

Type: null or (positive integer, meaning >0)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/udp−over−tcp.nix>

services.udp−over−tcp.tcp2udp.<name>.recvTimeout
An application timeout on receiving data from the TCP socket.

Type: null or (positive integer, meaning >0)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/udp−over−tcp.nix>

services.udp−over−tcp.tcp2udp.<name>.sendBufferSize
If given, sets the SO_SNDBUF option on the TCP socket to the given number of bytes. Changes the size of the operating system's send buffer associated with the socket.

Type: null or (positive integer, meaning >0)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/udp−over−tcp.nix>

services.udp−over−tcp.tcp2udp.<name>.threads
Sets the number of worker threads to use. The default value is the number of cores available to the system.

Type: null or (positive integer, meaning >0)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/udp−over−tcp.nix>

services.udp−over−tcp.udp2tcp
Mapping of UDP listening ports to TCP forwarding ports or configurations.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "0.0.0.0:51820" = {
    forward = "10.0.0.1:443";
    openFirewall = true;
  };
  "0.0.0.0:51821" = {
    forward = "10.0.0.1:444";
    recvBufferSize = 16384;
    sendBufferSize = 16384;
    recvTimeout = 10;
    fwmark = 1337;
    nodelay = true;
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/udp−over−tcp.nix>

services.udp−over−tcp.udp2tcp.<name>.forward
The IP and port to forward all traffic to.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/udp−over−tcp.nix>

services.udp−over−tcp.udp2tcp.<name>.fwmark
If given, sets the SO_MARK option on the TCP socket.

Type: null or 32 bit unsigned integer; between 0 and 4294967295 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/udp−over−tcp.nix>

services.udp−over−tcp.udp2tcp.<name>.nodelay
Enables TCP_NODELAY on the TCP socket.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/udp−over−tcp.nix>

services.udp−over−tcp.udp2tcp.<name>.openFirewall
Open the appropriate ports in the firewall.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/udp−over−tcp.nix>

services.udp−over−tcp.udp2tcp.<name>.recvBufferSize
If given, sets the SO_RCVBUF option on the TCP socket to the given number of bytes. Changes the size of the operating system's receive buffer associated with the socket.

Type: null or (positive integer, meaning >0)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/udp−over−tcp.nix>

services.udp−over−tcp.udp2tcp.<name>.recvTimeout
An application timeout on receiving data from the TCP socket.

Type: null or (positive integer, meaning >0)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/udp−over−tcp.nix>

services.udp-over-tcp.udp2tcp.<name>.sendBufferSize

If given, sets the SO_SNDBUF option on the TCP socket to the given number of bytes. Changes the size of the operating system's send buffer associated with the socket.

Type: null or (positive integer, meaning >0)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/udp-over-tcp.nix>

services.uhub

Uhub ADC hub instances

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/misc/uhub.nix>

services.uhub.<name>.enable

Whether to enable hub instance.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/uhub.nix>

services.uhub.<name>.enableTLS

Whether to enable TLS support.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/uhub.nix>

services.uhub.<name>.plugins

Uhub plugin configuration.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/misc/uhub.nix>

services.uhub.<name>.plugins.*.plugin

Path to plugin file.

Type: absolute path

Example:

```
$${pkgs.uhub}/plugins/mod_auth_sqlite.so
```

Declared by:

<nixpkgs/nixos/modules/services/misc/uhub.nix>

services.uhub.<name>.plugins.*.settings

Settings specific to this plugin.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  file = "/etc/uhub/users.db";
}
```

Declared by:

<nixpkgs/nixos/modules/services/misc/uhub.nix>

services.uhub.<name>.settings

Configuration of uhub. See **https://www.uhub.org/doc/config.php** for a list of options.

Type: attribute set of (boolean or signed integer or string)

Default:

```
{ }
```

Example:

```
{
  hub_description = "Yet another ADC hub";
  hub_name = "My Public Hub";
  max_users = 150;
  server_bind_addr = "any";
  server_port = 1511;
}
```

Declared by:

<nixpkgs/nixos/modules/services/misc/uhub.nix>

services.ulogd.enable

Whether to enable ulogd, a userspace logging daemon for netfilter/iptables related logging.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/logging/ulogd.nix>

services.ulogd.logLevel
Log level (1 = debug, 3 = info, 5 = notice, 7 = error, 8 = fatal)

Type: one of 1, 3, 5, 7, 8

Default:

```
5
```

Declared by:
<nixpkgs/nixos/modules/services/logging/ulogd.nix>

services.ulogd.settings
Configuration for ulogd. See */share/doc/ulogd/* in ‘pkgs.ulogd.doc’.

Type: attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string) or a list of them for duplicate keys)

Default:

```
{ }
```

Example:

```
{
  emu1 = {
    file = "/var/log/ulogd_pkts.log";
    sync = 1;
  };
  global = {
    stack = [
      "log1:NFLOG,base1:BASE,ifi1:IFINDEX,ip2str1:IP2STR,print1:PRI \
NTPKT,emu1:LOGEMU"
      "log1:NFLOG,base1:BASE,pcap1:PCAP"
    ];
  };
  log1 = {
    group = 2;
  };
  pcap1 = {
    file = "/var/log/ulogd.pcap";
    sync = 1;
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/logging/ulogd.nix>

services.umami.enable
Whether to enable umami.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/umami.nix>

services.umami.package
The umami package to use.

Type: package

Default:

```
pkgs.umami
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/umami.nix>

services.umami.createPostgresqlDatabase
Whether to automatically create the database for Umami using PostgreSQL. Both the database name and username will be ‘umami’, and the connection is made through unix sockets using peer authentication.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/umami.nix>

services.umami.settings
Additional configuration (environment variables) for Umami, see **https://umami.is/docs/environment−variables** for supported values.

Type: open submodule of attribute set of (boolean or signed integer or string)

Default:

```
{ }
```

Example:

```
{
  APP_SECRET_FILE = "/run/secrets/umamiAppSecret";
  DISABLE_TELEMETRY = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/umami.nix>

services.umami.settings.APP_SECRET_FILE
A file containing a secure random string. This is used for signing user sessions. The contents of the file are read through systemd credentials, therefore the user running umami does not need permissions to read the file. If you wish to set this to a string instead (not recommended since it will be placed world−readable in the Nix store), you can use the APP_SECRET option.

Type: null or string

Default:

```
null
```

Example:

```
"/run/secrets/umamiAppSecret"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/umami.nix>

services.umami.settings.BASE_PATH
Allows you to host Umami under a subdirectory. You may need to update your reverse proxy settings to correctly handle the BASE_PATH prefix.

Type: string

Default:

```
""
```

Example:

```
"/analytics"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/umami.nix>

services.umami.settings.COLLECT_API_ENDPOINT
Allows you to send metrics to a location different than the default '/api/send'.

Type: null or string

Default:

```
null
```

Example:

```
"/api/alternate−send"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/umami.nix>

services.umami.settings.DATABASE_URL
Connection string for the database. Must start with 'postgresql://' or 'postgres://'.

Type: null or string

Default:

```
if config.services.umami.createPostgresqlDatabase then "postgresql: \
//umami@localhost/umami?host=/run/postgresql" else null
```

Example:

```
"postgresql://root:root@localhost/umami"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/umami.nix>

services.umami.settings.DATABASE_URL_FILE
A file containing a connection string for the database. The connection string must start with 'postgresql://' or 'postgres://'. The contents of the file are read through systemd credentials, therefore the user running umami does not need permissions to read the file.

Type: null or string

Default:

```
null
```

Example:

```
"/run/secrets/umamiDatabaseUrl"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/umami.nix>

services.umami.settings.DISABLE_TELEMETRY
Umami collects completely anonymous telemetry data in order help improve the application. You can choose to disable this if you don't want to participate.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/umami.nix>

services.umami.settings.DISABLE_UPDATES
Disables the check for new versions of Umami.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/umami.nix>

services.umami.settings.HOSTNAME
The address to listen on.

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/umami.nix>

services.umami.settings.PORT
The port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Example:

```
3010
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/umami.nix>

services.umami.settings.TRACKER_SCRIPT_NAME

Allows you to assign a custom name to the tracker script different from the default ‘script.js’.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "tracker.js"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/umami.nix>

services.umurmur.enable

Whether to enable uMurmur Mumble server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/umurmur.nix>

services.umurmur.package

The umurmur package to use.

Type: package

Default:

```
pkgs.umurmur
```

Declared by:

<nixpkgs/nixos/modules/services/networking/umurmur.nix>

services.umurmur.configFile

Configuration file, default is generated from config.service.umurmur.settings

Type: absolute path

Default:

```
"Configuration file, default is generated from config.service.umurm \
ur.settings"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/umurmur.nix>

services.umurmur.openFirewall

Open ports in the firewall for the uMurmur Mumble server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/umurmur.nix>

services.umurmur.settings
Settings of uMurmur. For reference see **https://github.com/umurmur/umurmur/blob/master/umurmur.conf.example**

Type: open submodule of uMurmur config value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/umurmur.nix>

services.umurmur.settings.bindaddr
IPv4 address to bind to. Defaults binding on all addresses.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/umurmur.nix>

services.umurmur.settings.bindaddr6
IPv6 address to bind to. Defaults binding on all addresses.

Type: string

Default:

```
"::"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/umurmur.nix>

services.umurmur.settings.bindport
Port to bind to (UDP and TCP).

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
64739
```

Declared by:
<nixpkgs/nixos/modules/services/networking/umurmur.nix>

services.umurmur.settings.ca_path
Path to your SSL CA certificate.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/umurmur.nix>

services.umurmur.settings.certificate

Path to your SSL certificate. Generates self−signed automatically if not exists.

Type: string

Default:

```
"/var/lib/private/umurmur/cert.crt"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/umurmur.nix>

services.umurmur.settings.channel_links

Channel tree definitions.

Type: list of (attribute set)

Default:

```
[ ]
```

Example:

```
[
  {
    destination = "Red team";
    source = "Lobby";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/umurmur.nix>

services.umurmur.settings.channels

Channel tree definitions.

Type: list of (attribute set)

Default:

```
[
  {
    description = "Root channel.";
    name = "root";
    noenter = false;
    parent = "";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/umurmur.nix>

services.umurmur.settings.default_channel

The channel in which users will appear in when connecting.

Type: string

Default:

```
"root"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/umurmur.nix>

services.umurmur.settings.max_bandwidth
Maximum bandwidth (in bits per second) that clients may send speech at.

Type: signed integer

Default:

```
48000
```

Declared by:
<nixpkgs/nixos/modules/services/networking/umurmur.nix>

services.umurmur.settings.max_users
Maximum number of concurrent clients allowed.

Type: signed integer

Default:

```
10
```

Declared by:
<nixpkgs/nixos/modules/services/networking/umurmur.nix>

services.umurmur.settings.password
Required password to join server, if specified.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/umurmur.nix>

services.umurmur.settings.private_key
Path to your SSL key. Generates self−signed automatically if not exists.

Type: string

Default:

```
"/var/lib/private/umurmur/key.key"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/umurmur.nix>

services.umurmur.settings.welcometext
Welcome message for connected clients.

Type: null or string

Default:

```
"Welcome to uMurmur!"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/umurmur.nix>

services.unbound.enable
Whether to enable Unbound domain name server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/unbound.nix>

services.unbound.enableRootTrustAnchor
Use and update root trust anchor for DNSSEC validation.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/unbound.nix>

services.unbound.package
The unbound−with−systemd package to use.

Type: package

Default:

```
pkgs.unbound-with-systemd
```

Declared by:
<nixpkgs/nixos/modules/services/networking/unbound.nix>

services.unbound.checkconf
Whether to check the resulting config file with unbound checkconf for syntax errors.

If settings.include is used, this options is disabled, as the import can likely not be accessed at build time. If settings.remote−control is used, this option is disabled, too as the control−key−file, server−cert−file and server−key−file cannot be accessed at build time.

Type: boolean

Default:

```
"!services.unbound.settings ? include && !services.unbound.settings \
 ? remote-control"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/unbound.nix>

services.unbound.group
Group under which unbound runs.

Type: string

Default:

```
"unbound"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/unbound.nix>

services.unbound.localControlSocketPath
When not set to ‘null’ this option defines the path at which the unbound remote control socket should be created at. The socket will be owned by the unbound user (‘unbound’) and group will be ‘nogroup’.

Users that should be permitted to access the socket must be in the ‘config.services.unbound.group’ group.

If this option is ‘null’ remote control will not be enabled. Unbounds default values apply.

Type: null or string

Default:

```
null
```

Example:

```
"/run/unbound/unbound.ctl"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/unbound.nix>

services.unbound.resolveLocalQueries
Whether unbound should resolve local queries (i.e. add 127.0.0.1 to /etc/resolv.conf).

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/unbound.nix>

services.unbound.settings
Declarative Unbound configuration See the **unbound.conf**(5) manpage for a list of available options.

Type: open submodule of unbound.conf configuration type. The format consist of an attribute set of settings. Each settings can be either one value, a list of values or an attribute set. The allowed values are integers, strings, booleans or floats.

Default:

```
{ }
```

Example:

```
{
  server = {
    interface = [ "127.0.0.1" ];
  };
  forward-zone = [
    {
      name = ".";
      forward-addr = "1.1.1.1@853#cloudflare-dns.com";
    }
    {
      name = "example.org.";
      forward-addr = [
        "1.1.1.1@853#cloudflare-dns.com"
        "1.0.0.1@853#cloudflare-dns.com"
      ];
    }
  ];
  remote-control.control-enable = true;
};
```

Declared by:
<nixpkgs/nixos/modules/services/networking/unbound.nix>

services.unbound.stateDir
Directory holding all state for unbound to run.

Type: absolute path

Default:

```
"/var/lib/unbound"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/unbound.nix>

services.unbound.user
User account under which unbound runs.

Type: string

Default:

```
"unbound"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/unbound.nix>

services.unclutter.enable
Enable unclutter to hide your mouse cursor when inactive

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/x11/unclutter.nix>

services.unclutter.package
The unclutter package to use.

Type: package

Default:

```
pkgs.unclutter
```

Declared by:
<nixpkgs/nixos/modules/services/x11/unclutter.nix>

services.unclutter.excluded
Names of windows where unclutter should not apply

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  ""
]
```

Declared by:
<nixpkgs/nixos/modules/services/x11/unclutter.nix>

services.unclutter.extraOptions
More arguments to pass to the unclutter command

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "noevent"
  "grab"
]
```

Declared by:
<nixpkgs/nixos/modules/services/x11/unclutter.nix>

services.unclutter.keystroke
Wait for a keystroke before hiding the cursor

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/x11/unclutter.nix>

services.unclutter.threshold
Minimum number of pixels considered cursor movement

Type: signed integer

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/x11/unclutter.nix>

services.unclutter.timeout
Number of seconds before the cursor is marked inactive

Type: signed integer

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/x11/unclutter.nix>

services.unclutter-xfixes.enable
Enable unclutter-xfixes to hide your mouse cursor when inactive.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/x11/unclutter-xfixes.nix>

services.unclutter-xfixes.package
The unclutter-xfixes package to use.

Type: package

Default:

```
pkgs.unclutter-xfixes
```

Declared by:
<nixpkgs/nixos/modules/services/x11/unclutter-xfixes.nix>

services.unclutter−xfixes.extraOptions

More arguments to pass to the unclutter−xfixes command.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "exclude-root"
  "ignore-scrolling"
  "fork"
]
```

Declared by:

<nixpkgs/nixos/modules/services/x11/unclutter−xfixes.nix>

services.unclutter−xfixes.threshold

Minimum number of pixels considered cursor movement.

Type: signed integer

Default:

```
1
```

Declared by:

<nixpkgs/nixos/modules/services/x11/unclutter−xfixes.nix>

services.unclutter−xfixes.timeout

Number of seconds before the cursor is marked inactive.

Type: signed integer

Default:

```
1
```

Declared by:

<nixpkgs/nixos/modules/services/x11/unclutter−xfixes.nix>

services.undervolt.enable

Whether to enable Undervolting service for Intel CPUs.

Warning: This service is not endorsed by Intel and may permanently damage your hardware. Use at your own risk .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/undervolt.nix>

services.undervolt.package
The undervolt package to use.

Type: package

Default:

```
pkgs.undervolt
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/undervolt.nix>

services.undervolt.analogioOffset
The amount of voltage in mV to offset analogio by.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/undervolt.nix>

services.undervolt.coreOffset
The amount of voltage in mV to offset the CPU cores by.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/undervolt.nix>

services.undervolt.gpuOffset
The amount of voltage in mV to offset the GPU by.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/undervolt.nix>

services.undervolt.p1.limit
The P1 Power Limit in Watts. Both limit and window must be set.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/undervolt.nix>

services.undervolt.p1.window
The P1 Time Window in seconds. Both limit and window must be set.

Type: null or floating point number or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/undervolt.nix>

services.undervolt.p2.limit
The P2 Power Limit in Watts. Both limit and window must be set.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/undervolt.nix>

services.undervolt.p2.window
The P2 Time Window in seconds. Both limit and window must be set.

Type: null or floating point number or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/undervolt.nix>

services.undervolt.temp
The temperature target in Celsius degrees.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/undervolt.nix>

services.undervolt.tempAc
The temperature target on AC power in Celsius degrees.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/undervolt.nix>

services.undervolt.tempBat
The temperature target on battery power in Celsius degrees.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/undervolt.nix>

services.undervolt.turbo
Changes the Intel Turbo feature status (1 is disabled and 0 is enabled).

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/undervolt.nix>

services.undervolt.uncoreOffset
The amount of voltage in mV to offset uncore by.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/undervolt.nix>

services.undervolt.useTimer
Whether to set a timer that applies the undervolt settings every 30s. This will cause spam in the journal but might be required for some hardware under specific conditions. Enable this if your undervolt settings don’t hold.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/undervolt.nix>

services.undervolt.verbose
Whether to enable verbose logging.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/undervolt.nix>

services.unifi.enable
Whether or not to enable the unifi controller service.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/unifi.nix>

services.unifi.extraJvmOptions
Set extra options to pass to the JVM.

Type: list of string

Default:

```
[ ]
```

Example:

```
["-Xlog:gc"]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/unifi.nix>

services.unifi.initialJavaHeapSize
Set the initial heap size for the JVM in MB. If this option isn't set, the JVM will decide this value at runtime.

Type: null or signed integer

Default:

```
null
```

Example:

```
1024
```

Declared by:
<nixpkgs/nixos/modules/services/networking/unifi.nix>

services.unifi.jrePackage
The jdk package to use. Check the UniFi controller release notes to ensure it is supported.

Type: package

Default:

```
pkgs.jdk25_headless
```

Declared by:
<nixpkgs/nixos/modules/services/networking/unifi.nix>

services.unifi.maximumJavaHeapSize
Set the maximum heap size for the JVM in MB. If this option isn't set, the JVM will decide this value at runtime.

Type: null or signed integer

Default:

```
null
```

Example:

```
4096
```

Declared by:
<nixpkgs/nixos/modules/services/networking/unifi.nix>

services.unifi.mongodbPackage
The mongodb package to use.

Type: package

Default:

```
pkgs.mongodb-7_0
```

Declared by:
<nixpkgs/nixos/modules/services/networking/unifi.nix>

services.unifi.openFirewall
Whether or not to open the minimum required ports on the firewall.

This is necessary to allow firmware upgrades and device discovery to work. For remote login, you should additionally open (or forward) port 8443.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/unifi.nix>

services.unifi.unifiPackage
The unifi package to use.

Type: package

Default:

```
pkgs.unifi
```

Declared by:
<nixpkgs/nixos/modules/services/networking/unifi.nix>

services.unit.enable
Whether to enable Unit App Server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/unit/default.nix>

services.unit.package
The unit package to use.

Type: package

Default:

```
pkgs.unit
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/unit/default.nix>

services.unit.config
Unit configuration in JSON format. More details here **https://unit.nginx.org/configuration**

Type: string

Default:

```
{
  "listeners": {},
  "applications": {}
}
```

Example:

```
{
  "listeners": {
    "*:8300": {
      "application": "example-php-72"
    }
  },
  "applications": {
    "example-php-72": {
```

```
            "type": "php 7.2",
            "processes": 4,
            "user": "nginx",
            "group": "nginx",
            "root": "/var/www",
            "index": "index.php",
            "options": {
              "file": "/etc/php.d/default.ini",
              "admin": {
                "max_execution_time": "30",
                "max_input_time": "30",
                "display_errors": "off",
                "display_startup_errors": "off",
                "open_basedir": "/dev/urandom:/proc/cpuinfo:/proc/memin \
fo:/etc/ssl/certs:/var/www",
                "disable_functions": "exec,passthru,shell_exec,system"
              }
            }
          }
        }
      }
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/unit/default.nix>

services.unit.group
Group account under which unit runs.

Type: string

Default:

```
"unit"
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/unit/default.nix>

services.unit.logDir
Unit log directory.

Type: absolute path

Default:

```
"/var/log/unit"
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/unit/default.nix>

services.unit.stateDir
Unit data directory.

Type: absolute path

Default:

```
"/var/spool/unit"
```

Declared by:
<nixpkgs/nixos/modules/services/web-servers/unit/default.nix>

services.unit.user

User account under which unit runs.

Type: string

Default:

```
"unit"
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/unit/default.nix>

services.unpoller.enable

Whether to enable unpoller.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.influxdb.db

Database name. Database should exist.

Type: string

Default:

```
"unifi"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.influxdb.disable

Whether to disable the influxdb output plugin.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.influxdb.interval

Setting this lower than the Unifi controller’s refresh interval may lead to zeroes in your database.

Type: string

Default:

```
"30s"
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.influxdb.pass
Path of a file containing the password for influxdb. This file needs to be readable by the unifi−poller user.

Type: absolute path

Default:

```
unpoller−influxdb−default.password
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.influxdb.url
URL of the influxdb host.

Type: string

Default:

```
"http://127.0.0.1:8086"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.influxdb.user
Username for the influxdb.

Type: string

Default:

```
"unifipoller"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.influxdb.verify_ssl
Verify the influxdb's certificate.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.loki.interval
How often the events are polled and pushed to Loki.

Type: string

Default:

```
"2m"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.loki.pass
Path of a file containing the password for Loki. This file needs to be readable by the unifi−poller user.

Type: absolute path

Default:

```
"unpoller−influxdb−default.password"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.loki.tenant_id
Tenant ID to use in Loki.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.loki.timeout
Should be increased in case of timeout errors.

Type: string

Default:

```
"10s"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.loki.url
URL of the Loki host.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.loki.user
Username for Loki.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.loki.verify_ssl
Verify Loki's certificate.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.poller.debug
Turns on line numbers, microsecond logging, and a per−device log. This may be noisy if you have a lot of devices. It adds one line per device.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.poller.plugins
Load additional plugins.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.poller.quiet
Turns off per−interval logs. Only startup and error logs will be emitted.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.prometheus.disable
Whether to disable the prometheus output plugin.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.prometheus.http_listen
Bind the prometheus exporter to this IP or hostname.

Type: string

Default:

```
"[::]:9130"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.prometheus.report_errors
Whether to report errors.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.unifi.controllers
List of Unifi controllers to poll. Use defaults if empty.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.unifi.controllers.*.hash_pii
Hash, with md5, client names and MAC addresses. This attempts to protect personally identifiable information.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.unifi.controllers.*.pass
Path of a file containing the password for the unifi service user. This file needs to be readable by the unifi−poller user.

Type: absolute path

Default:

```
unpoller−unifi−default.password
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.unifi.controllers.*.save_alarms
Collect and save data from UniFi alarms to influxdb and Loki.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.unifi.controllers.*.save_anomalies
Collect and save data from UniFi anomalies to influxdb and Loki.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.unifi.controllers.*.save_dpi
Collect and save data from deep packet inspection. Adds around 150 data points and impacts performance.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.unifi.controllers.*.save_events
Collect and save data from UniFi events to influxdb and Loki.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.unifi.controllers.*.save_ids
Collect and save data from the intrusion detection system to influxdb and Loki.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.unifi.controllers.*.save_sites
Collect and save site data.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.unifi.controllers.*.sites
List of site names for which statistics should be exported. Or the string “default” for the default site or the string “all” for all sites.

Type: one of “default”, “all” or list of string

Default:

```
"all"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.unifi.controllers.*.url
URL of the Unifi controller.

Type: string

Default:

```
"https://unifi:8443"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.unifi.controllers.*.user
Unifi service user name.

Type: string

Default:

```
"unifi"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.unifi.controllers.*.verify_ssl
Verify the Unifi controller's certificate.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.unifi.defaults.hash_pii
Hash, with md5, client names and MAC addresses. This attempts to protect personally identifiable information.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.unifi.defaults.pass
Path of a file containing the password for the unifi service user. This file needs to be readable by the unifi−poller user.

Type: absolute path

Default:

```
unpoller−unifi−default.password
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.unifi.defaults.save_alarms
Collect and save data from UniFi alarms to influxdb and Loki.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.unifi.defaults.save_anomalies
Collect and save data from UniFi anomalies to influxdb and Loki.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.unifi.defaults.save_dpi
Collect and save data from deep packet inspection. Adds around 150 data points and impacts performance.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.unifi.defaults.save_events
Collect and save data from UniFi events to influxdb and Loki.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.unifi.defaults.save_ids
Collect and save data from the intrusion detection system to influxdb and Loki.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.unifi.defaults.save_sites
Collect and save site data.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.unifi.defaults.sites
List of site names for which statistics should be exported. Or the string “default” for the default site or the string “all” for all sites.

Type: one of “default”, “all” or list of string

Default:

```
"all"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.unifi.defaults.url
URL of the Unifi controller.

Type: string

Default:

```
"https://unifi:8443"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.unifi.defaults.user
Unifi service user name.

Type: string

Default:

```
"unifi"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.unifi.defaults.verify_ssl
Verify the Unifi controller's certificate.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.unpoller.unifi.dynamic
Let prometheus select which controller to poll when scraping. Use with default credentials. See unifi−poller wiki for more.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/unpoller.nix>

services.upower.enable
Whether to enable Upower, a DBus service that provides power management support to applications.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/upower.nix>

services.upower.enableWattsUpPro
Enable the Watts Up Pro device.

The Watts Up Pro contains a generic FTDI USB device without a specific vendor and product ID. When we probe for WUP devices, we can cause the user to get a perplexing "Device or resource busy" error when attempting to use their non−WUP device.

The generic FTDI device is known to also be used on:

- Sparkfun FT232 breakout board
- Parallax Propeller

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/upower.nix>

services.upower.package
The upower package to use.

Type: package

Default:

```
pkgs.upower
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/upower.nix>

services.upower.allowRiskyCriticalPowerAction
Enable the risky critical power actions “Suspend” and “Ignore”.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/upower.nix>

services.upower.criticalPowerAction
The action to take when ‘timeAction’ or ‘percentageAction’ has been reached for the batteries (UPS or laptop batteries) supplying the computer.

When set to ‘Suspend’ or ‘Ignore’, **services.upower.allowRiskyCriticalPowerAction** must be set to ‘true’.

Type: one of “PowerOff”, “Hibernate”, “HybridSleep”, “Suspend”, “Ignore”

Default:

```
"HybridSleep"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/upower.nix>

services.upower.ignoreLid
Do we ignore the lid state

Some laptops are broken. The lid state is either inverted, or stuck on or off. We can’t do much to fix these problems, but this is a way for users to make the laptop panel vanish, a state that might be used by a couple of user−space daemons. On Linux systems, see also **logind.conf**(5).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/upower.nix>

services.upower.noPollBatteries

Don’t poll the kernel for battery level changes.

Some hardware will send us battery level changes through events, rather than us having to poll for it. This option allows disabling polling for hardware that sends out events.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/upower.nix>

services.upower.percentageAction

When ‘usePercentageForPolicy’ is ‘true’, the levels at which UPower will take action for the critical battery level.

This will also be used for batteries which don’t have time information such as that of peripherals.

If any value (of ‘percentageLow’, ‘percentageCritical’ and ‘percentageAction’) is invalid, or not in descending order, the defaults will be used.

Type: unsigned integer, meaning >=0

Default:

```
2
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/upower.nix>

services.upower.percentageCritical

When ‘usePercentageForPolicy’ is ‘true’, the levels at which UPower will consider the battery critical.

This will also be used for batteries which don’t have time information such as that of peripherals.

If any value (of ‘percentageLow’, ‘percentageCritical’ and ‘percentageAction’) is invalid, or not in descending order, the defaults will be used.

Type: unsigned integer, meaning >=0

Default:

```
5
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/upower.nix>

services.upower.percentageLow

When ‘usePercentageForPolicy’ is ‘true’, the levels at which UPower will consider the battery low.

This will also be used for batteries which don’t have time information such as that of peripherals.

If any value (of ‘percentageLow’, ‘percentageCritical’ and ‘percentageAction’) is invalid, or not in descending order, the defaults will be used.

Type: unsigned integer, meaning >=0

Default:

```
20
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/upower.nix>

services.upower.timeAction

When ‘usePercentageForPolicy’ is ‘false’, the time remaining in seconds at which UPower will take action for the critical battery level.

If any value (of ‘timeLow’, ‘timeCritical’ and ‘timeAction’) is invalid, or not in descending order, the defaults will be used.

Type: unsigned integer, meaning >=0

Default:

```
120
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/upower.nix>

services.upower.timeCritical

When ‘usePercentageForPolicy’ is ‘false’, the time remaining in seconds at which UPower will consider the battery critical.

If any value (of ‘timeLow’, ‘timeCritical’ and ‘timeAction’) is invalid, or not in descending order, the defaults will be used.

Type: unsigned integer, meaning >=0

Default:

```
300
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/upower.nix>

services.upower.timeLow

When ‘usePercentageForPolicy’ is ‘false’, the time remaining in seconds at which UPower will consider the battery low.

If any value (of ‘timeLow’, ‘timeCritical’ and ‘timeAction’) is invalid, or not in descending order, the defaults will be used.

Type: unsigned integer, meaning >=0

Default:

```
1200
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/upower.nix>

services.upower.usePercentageForPolicy

Policy for warnings and action based on battery levels

Whether battery percentage based policy should be used. The default is to use the percentage, which should work around broken firmwares. It is also more reliable than the time left (frantically saving all your files is going to use more battery than letting it rest for example).

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/upower.nix>

services.uptermd.enable

Whether to enable uptermd.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/uptermd.nix>

services.uptermd.extraFlags

Extra flags passed to the uptermd command.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--debug"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/uptermd.nix>

services.uptermd.hostKey

Path to SSH host key. If not defined, an ed25519 keypair is generated automatically.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/upterm_host_ed25519_key"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/uptermd.nix>

services.uptermd.listenAddress

Address the server will listen on.

Type: string

Default:

```
"[::]"
```

Example:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/uptermd.nix>

services.uptermd.openFirewall

Whether to open the firewall for the port in **services.uptermd.port**.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/uptermd.nix>

services.uptermd.port

Port the server will listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
2222
```

Declared by:

<nixpkgs/nixos/modules/services/networking/uptermd.nix>

services.uptime−kuma.enable

Whether to enable Uptime Kuma, this assumes a reverse proxy to be set.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/uptime−kuma.nix>

services.uptime−kuma.package

The uptime−kuma package to use.

Type: package

Default:

```
pkgs.uptime−kuma
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/uptime−kuma.nix>

services.uptime−kuma.appriseSupport

Whether to enable apprise support for notifications.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/uptime−kuma.nix>

services.uptime−kuma.settings

Additional configuration for Uptime Kuma, see **https://github.com/louislam/uptime−kuma/wiki/Environment−Variables** for supported values.

Type: open submodule of attribute set of string

Default:

```
{ }
```

Example:

```
{
  NODE_EXTRA_CA_CERTS = {
    _type = "literalExpression";
    text = "config.security.pki.caBundle";
  };
  PORT = "4000";
  UPTIME_KUMA_DB_HOSTNAME = "localhost";
  UPTIME_KUMA_DB_NAME = "uptime−kuma";
  UPTIME_KUMA_DB_PASSWORD = "uptime−kuma";
  UPTIME_KUMA_DB_TYPE = "mariadb";
  UPTIME_KUMA_DB_USERNAME = "uptime−kuma";
}
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/uptime−kuma.nix>

services.uptimed.enable

Enable ‘uptimed’, allowing you to track your highest uptimes.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/system/uptimed.nix>

services.urserver.enable

Whether to enable urserver.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/x11/urserver.nix>

services.urxvtd.enable

Enable urxvtd, the urxvt terminal daemon. To use urxvtd, run “urxvtc”.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/x11/urxvtd.nix>

services.urxvtd.package
The rxvt−unicode package to use.

Type: package

Default:

```
pkgs.rxvt-unicode
```

Declared by:
<nixpkgs/nixos/modules/services/x11/urxvtd.nix>

services.usbguard.enable
Whether to enable USBGuard daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/usbguard.nix>

services.usbguard.package
The usbguard package to use.

Type: package

Default:

```
pkgs.usbguard
```

Declared by:
<nixpkgs/nixos/modules/services/security/usbguard.nix>

services.usbguard.IPCAllowedGroups
A list of groupnames that the daemon will accept IPC connections from.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "wheel"
]
```

Declared by:
<nixpkgs/nixos/modules/services/security/usbguard.nix>

services.usbguard.IPCAllowedUsers
A list of usernames that the daemon will accept IPC connections from.

Type: list of string

Default:

```
[
  "root"
```

```
]
```

Example:

```
[
  "root"
  "yourusername"
]
```

Declared by:
<nixpkgs/nixos/modules/services/security/usbguard.nix>

services.usbguard.dbus.enable
Whether to enable USBGuard dbus daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/usbguard.nix>

services.usbguard.deviceRulesWithPort
Generate device specific rules including the “via−port” attribute.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/usbguard.nix>

services.usbguard.implicitPolicyTarget
How to treat USB devices that don’t match any rule in the policy. Target should be one of allow, block or reject (logically remove the device node from the system).

Type: one of “allow”, “block”, “reject”

Default:

```
"block"
```

Declared by:
<nixpkgs/nixos/modules/services/security/usbguard.nix>

services.usbguard.insertedDevicePolicy
How to treat USB devices that are already connected after the daemon starts. One of block, reject, apply−policy.

Type: one of “block”, “reject”, “apply−policy”

Default:

```
"apply-policy"
```

Declared by:
<nixpkgs/nixos/modules/services/security/usbguard.nix>

services.usbguard.presentControllerPolicy

How to treat USB controller devices that are already connected when the daemon starts. One of allow, block, reject, keep or apply−policy.

Type: one of “allow”, “block”, “reject”, “keep”, “apply−policy”

Default:

```
"keep"
```

Declared by:

<nixpkgs/nixos/modules/services/security/usbguard.nix>

services.usbguard.presentDevicePolicy

How to treat USB devices that are already connected when the daemon starts. Policy should be one of allow, block, reject, keep (keep whatever state the device is currently in) or apply−policy (evaluate the rule set for every present device).

Type: one of “allow”, “block”, “reject”, “keep”, “apply−policy”

Default:

```
"apply-policy"
```

Declared by:

<nixpkgs/nixos/modules/services/security/usbguard.nix>

services.usbguard.restoreControllerDeviceState

The USBGuard daemon modifies some attributes of controller devices like the default authorization state of new child device instances. Using this setting, you can control whether the daemon will try to restore the attribute values to the state before modification on shutdown.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/security/usbguard.nix>

services.usbguard.ruleFile

This tells the USBGuard daemon which file to load as policy rule set.

The file can be changed manually or via the IPC interface assuming it has the right file permissions.

For more details see **usbguard−rules.conf**(5).

Type: null or absolute path

Default:

```
"/var/lib/usbguard/rules.conf"
```

Example:

```
"/run/secrets/usbguard-rules"
```

Declared by:

<nixpkgs/nixos/modules/services/security/usbguard.nix>

services.usbguard.rules

The USBGuard daemon will load this as the policy rule set. As these rules are NixOS managed they are immutable and can’t be changed by the IPC interface.

If you do not set this option, the USBGuard daemon will load it’s policy rule set from the option configured in ‘services.usbguard.ruleFile’.

Running ‘usbguard generate−policy’ as root will generate a config for your currently plugged in devices.

For more details see **usbguard-rules.conf**(5).

Type: null or strings concatenated with "\n"

Default:

```
null
```

Example:

```
allow with-interface equals { 08:*:* }
```

Declared by:
<nixpkgs/nixos/modules/services/security/usbguard.nix>

services.usbmuxd.enable
Enable the usbmuxd ("USB multiplexing daemon") service. This daemon is in charge of multiplexing connections over USB to an iOS device. This is needed for transferring data from and to iOS devices (see ifuse). Also this may enable plug-n-play tethering for iPhones.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/usbmuxd.nix>

services.usbmuxd.package
Which package to use for the usbmuxd daemon.

Type: package

Default:

```
pkgs.usbmuxd
```

Related packages:

- 'pkgs.usbmuxd'
- 'pkgs.usbmuxd2'

Declared by:
<nixpkgs/nixos/modules/services/hardware/usbmuxd.nix>

services.usbmuxd.group
The group usbmuxd should use to run after startup.

Type: string

Default:

```
"usbmux"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/usbmuxd.nix>

services.usbmuxd.user
The user usbmuxd should use to run after startup.

Type: string

Default:

```
"usbmux"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/usbmuxd.nix>

services.usbrelayd.enable
Whether to enable USB Relay MQTT daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/usbrelayd.nix>

services.usbrelayd.broker
Hostname or IP address of your MQTT Broker.

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
[
  "mqtt"
  "192.168.1.1"
]
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/usbrelayd.nix>

services.usbrelayd.clientName
Name, your client connects as.

Type: string

Default:

```
"MyUSBRelay"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/usbrelayd.nix>

services.userborn.enable
Whether to enable userborn.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/system/userborn.nix>

services.userborn.package

The userborn package to use.

Type: package

Default:

```
pkgs.userborn
```

Declared by:

<nixpkgs/nixos/modules/services/system/userborn.nix>

services.userborn.passwordFilesLocation

The location of the original password files.

If this is not '/etc', the files are symlinked from this location to '/etc'.

The primary motivation for this is an immutable '/etc', where we cannot write the files directly to '/etc'.

However this an also serve other use cases, e.g. when '/etc' is on a 'tmpfs'.

Type: string

Default:

```
if immutableEtc && !config.services.userborn.static then "/var/lib/ \
nixos" else "/etc"
```

Declared by:

<nixpkgs/nixos/modules/services/system/userborn.nix>

services.userborn.static

Whether to generate the password files at build time and store them directly in the system closure, without requiring any services at boot time.

This is STRICTLY intended for embedded appliance images that only have system users with manually managed static user IDs, and CANNOT be used with generation updates.

WARNING: In this mode, you MUST statically manage user IDs yourself, carefully. Beware, UID reuse is a serious security issue and it's your responsibility to avoid it over the entire lifetime of the system.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/system/userborn.nix>

services.userdbd.enable

Whether to enable the systemd JSON user/group record lookup service .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/userdbd.nix>

services.userdbd.enableSSHSupport

Whether to enable exposing OpenSSH public keys defined in userdb. Be aware that this enables modifying public keys at runtime, either by users managed by **services.homed**, or globally via drop−in files .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/userdbd.nix>

services.ustreamer.enable

Whether to enable µStreamer, a lightweight MJPEG−HTTP streamer.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/video/ustreamer.nix>

services.ustreamer.package

The ustreamer package to use.

Type: package

Default:

```
pkgs.ustreamer
```

Declared by:

<nixpkgs/nixos/modules/services/video/ustreamer.nix>

services.ustreamer.autoStart

Wether to start µStreamer on boot. Disabling this will use socket activation. The service will stop gracefully after some inactivity. Disabling this will set '−−exit−on−no−clients=300'

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/video/ustreamer.nix>

services.ustreamer.device

The v4l2 device to stream.

Type: absolute path

Default:

```
"/dev/video0"
```

Example:

```
"/dev/v4l/by-id/usb-0000_Dummy_abcdef-video-index0"
```

Declared by:

<nixpkgs/nixos/modules/services/video/ustreamer.nix>

services.ustreamer.extraArgs

Extra arguments to pass to 'ustreamer'. See **ustreamer**(1)

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--resolution=1920x1080"
]
```

Declared by:

<nixpkgs/nixos/modules/services/video/ustreamer.nix>

services.ustreamer.listenAddress

Address to expose the HTTP server. This accepts values for ListenStream= defined in **systemd.socket**(5)

Type: string

Default:

```
"0.0.0.0:8080"
```

Example:

```
"/run/ustreamer.sock"
```

Declared by:

<nixpkgs/nixos/modules/services/video/ustreamer.nix>

services.uvcvideo.dynctrl.enable

Whether to enable **uvcvideo** dynamic controls.

Note that enabling this brings the **uvcdynctrl** tool into your environment and register all dynamic controls from specified **packages** to the **uvcvideo** driver.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/hardware/video/uvcvideo/default.nix>

services.uvcvideo.dynctrl.packages

List of packages containing **uvcvideo** dynamic controls rules. All files found in *«pkg»/share/uvcdynctrl/data* will be included.

Note that these will serve as input to the **libwebcam** package which through its own **udev** rule will register the dynamic controls from specified packages to the **uvcvideo** driver.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[ pkgs.tiscamera ]
```

Declared by:
<nixpkgs/nixos/modules/hardware/video/uvcvideo/default.nix>

services.uwsgi.enable
Enable uWSGI

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/uwsgi.nix>

services.uwsgi.capabilities
Grant capabilities to the uWSGI instance. See the **capabilities**(7) for available values.

Note
uWSGI runs as an unprivileged user (even as Emperor) with the minimal capabilities required. This option can be used to add fine−grained permissions without running the service as root.

When in Emperor mode, any capability to be inherited by a vassal must be specified again in the vassal configuration using ‘cap’. See the uWSGI **docs** for more information.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "CAP_NET_BIND_SERVICE" # bind on ports <1024
  "CAP_NET_RAW"          # open raw sockets
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/uwsgi.nix>

services.uwsgi.group
Group account under which uWSGI runs.

Type: string

Default:

```
"uwsgi"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/uwsgi.nix>

services.uwsgi.instance
uWSGI configuration. It awaits an attribute ‘type’ inside which can be either ‘normal’ or ‘emperor’.

For ‘normal’ mode you can specify ‘pythonPackages’ as a function from libraries set into a list of libraries. ‘pythonpath’ will be set accordingly.

For ‘emperor’ mode, you should use ‘vassals’ attribute which should be either a set of names and configurations or a path to a directory.

Other attributes will be used in configuration file as−is. Notice that you can redefine ‘plugins’ setting here.

Type: Json value or lambda

Default:

```
{
  type = "normal";
}
```

Example:

```
{
  type = "emperor";
  vassals = {
    moin = {
      type = "normal";
      pythonPackages = self: with self; [ moinmoin ];
      socket = "${config.services.uwsgi.runDir}/uwsgi.sock";
    };
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/uwsgi.nix>

services.uwsgi.plugins
Plugins used with uWSGI

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/uwsgi.nix>

services.uwsgi.runDir
Where uWSGI communication sockets can live

Type: absolute path

Default:

```
"/run/uwsgi"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/uwsgi.nix>

services.uwsgi.user
User account under which uWSGI runs.

Type: string

Default:

```
"uwsgi"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/uwsgi.nix>

services.v2ray.enable
Whether to run v2ray server.

Either ‘configFile’ or ‘config’ must be specified.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/v2ray.nix>

services.v2ray.package

The v2ray package to use.

Type: package

Default:

```
pkgs.v2ray
```

Declared by:

<nixpkgs/nixos/modules/services/networking/v2ray.nix>

services.v2ray.config

The configuration object.

Either ‘configFile’ or ‘config’ must be specified.

See **https://www.v2fly.org/en_US/v5/config/overview.html**.

Type: null or JSON value

Default:

```
null
```

Example:

```
{
  inbounds = [
    {
      listen = "127.0.0.1";
      port = 1080;
      protocol = "http";
    }
  ];
  outbounds = [
    {
      protocol = "freedom";
    }
  ];
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/v2ray.nix>

services.v2ray.configFile

The absolute path to the configuration file.

Either ‘configFile’ or ‘config’ must be specified.

See **https://www.v2fly.org/en_US/v5/config/overview.html**.

Type: null or string

Default:

```
null
```

Example:

```
"/etc/v2ray/config.json"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/v2ray.nix>

services.v2raya.enable
Whether to enable the v2rayA service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/v2raya.nix>

services.v2raya.package
The v2raya package to use.

Type: package

Default:

```
pkgs.v2raya
```

Declared by:
<nixpkgs/nixos/modules/services/networking/v2raya.nix>

services.v2raya.cliPackage
The v2ray package to use. This is the package used for overriding the value of the ‘v2ray’ attribute in the package set by ‘services.v2raya.package’.

Type: package

Default:

```
pkgs.v2ray
```

Example:

```
pkgs.xray
```

Declared by:
<nixpkgs/nixos/modules/services/networking/v2raya.nix>

services.v4l2-relayd.instances
v4l2−relayd instances to be created.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  example = {
    cardLabel = "Example card";
    input.pipeline = "videotestsrc";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/video/v4l2−relayd.nix>

services.v4l2−relayd.instances.<name>.enable
Whether to enable this v4l2−relayd instance.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/video/v4l2−relayd.nix>

services.v4l2−relayd.instances.<name>.cardLabel
The name the camera will show up as.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/video/v4l2−relayd.nix>

services.v4l2−relayd.instances.<name>.extraPackages
Extra packages to add to **GST_PLUGIN_PATH** for the instance.

Type: list of package

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/video/v4l2−relayd.nix>

services.v4l2−relayd.instances.<name>.input.format
The video−format to read from input−stream.

Type: string

Default:

```
"YUY2"
```

Declared by:
<nixpkgs/nixos/modules/services/video/v4l2−relayd.nix>

services.v4l2−relayd.instances.<name>.input.framerate
The framerate to read from input−stream.

Type: positive integer, meaning >0

Default:

```
30
```

Declared by:
<nixpkgs/nixos/modules/services/video/v4l2−relayd.nix>

services.v4l2−relayd.instances.<name>.input.height
The height to read from input−stream.

Type: positive integer, meaning >0

Default:

```
720
```

Declared by:
<nixpkgs/nixos/modules/services/video/v4l2−relayd.nix>

services.v4l2−relayd.instances.<name>.input.pipeline
The gstreamer−pipeline to use for the input−stream.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/video/v4l2−relayd.nix>

services.v4l2−relayd.instances.<name>.input.width
The width to read from input−stream.

Type: positive integer, meaning >0

Default:

```
1280
```

Declared by:
<nixpkgs/nixos/modules/services/video/v4l2−relayd.nix>

services.v4l2−relayd.instances.<name>.name
The name of the instance.

Type: string

Default:

```
"‹name›"
```

Declared by:
<nixpkgs/nixos/modules/services/video/v4l2−relayd.nix>

services.v4l2−relayd.instances.<name>.output.format
The video−format to write to output−stream.

Type: string

Default:

```
"YUY2"
```

Declared by:
<nixpkgs/nixos/modules/services/video/v4l2−relayd.nix>

services.varnish.enable
Whether to enable Varnish Server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/varnish/default.nix>

services.varnish.enableConfigCheck

Whether to enable checking the config during build time.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/varnish/default.nix>

services.varnish.package

The varnish package to use.

Type: package

Default:

```
pkgs.varnish
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/varnish/default.nix>

services.varnish.config

Verbatim default.vcl configuration.

Type: strings concatenated with “\n”

Declared by:

<nixpkgs/nixos/modules/services/web−servers/varnish/default.nix>

services.varnish.extraCommandLine

Command line switches for varnishd (run ‘varnishd −?’ to get list of options)

Type: string

Default:

```
""
```

Example:

```
"−s malloc,256M"
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/varnish/default.nix>

services.varnish.extraModules

Varnish modules (except ‘std’).

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.varnishPackages.geoip ]
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/varnish/default.nix>

services.varnish.http_address

HTTP listen address and port.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/varnish/default.nix>

services.varnish.listen

Accept for client requests on the specified listen addresses.

Type: list of (submodule)

Default:

```
[ { address="*"; port=6081; } ]
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/varnish/default.nix>

services.varnish.listen.*.address

If given an IP address, it can be a host name (“localhost”), an IPv4 dotted−quad (“127.0.0.1”) or an IPv6 address enclosed in square brackets (“[::1]”).

(VCL4.1 and higher) If given an absolute Path (“/path/to/listen.sock”) or “@” followed by the name of an abstract socket (“@myvarnishd”) accept connections on a Unix domain socket.

The user, group and mode sub−arguments may be used to specify the permissions of the socket file. These sub−arguments do not apply to abstract sockets.

Type: string

Declared by:

<nixpkgs/nixos/modules/services/web−servers/varnish/default.nix>

services.varnish.listen.*.group

Group name who owns the socket file.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/varnish/default.nix>

services.varnish.listen.*.mode

Permission of the socket file (3−digit octal value).

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/varnish/default.nix>

services.varnish.listen.*.name

Name is referenced in logs. If name is not specified, ‘a0’, ‘a1’, etc. is used.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/varnish/default.nix>

services.varnish.listen.*.port

The port to use for IP sockets. If port is not specified, port 80 (http) is used.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/varnish/default.nix>

services.varnish.listen.*.proto

PROTO can be ‘HTTP’ (the default) or ‘PROXY’. Both version 1 and 2 of the proxy protocol can be used.

Type: one of “HTTP”, “PROXY”

Default:

```
"HTTP"
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/varnish/default.nix>

services.varnish.listen.*.user

User name who owns the socket file.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/varnish/default.nix>

services.vault.enable

Whether to enable Vault daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/security/vault.nix>

services.vault.package

The vault package to use.

Type: package

Default:

```
pkgs.vault
```

Declared by:

<nixpkgs/nixos/modules/services/security/vault.nix>

services.vault.address

The name of the ip interface to listen to

Type: string

Default:

```
"127.0.0.1:8200"
```

Declared by:

<nixpkgs/nixos/modules/services/security/vault.nix>

services.vault.dev

In this mode, Vault runs in−memory and starts unsealed. This option is not meant production but for development and testing i.e. for nixos tests.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/security/vault.nix>

services.vault.devRootTokenID

Initial root token. This only applies when **services.vault.dev** is true

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/vault.nix>

services.vault.extraConfig

Extra text appended to *vault.hcl*.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/security/vault.nix>

services.vault.extraSettingsPaths

Configuration files to load besides the immutable one defined by the NixOS module. This can be used to avoid putting credentials in the Nix store, which can be read by any user.

Each path can point to a JSON− or HCL−formatted file, or a directory to be scanned for files with ‘.hcl’ or ‘.json’ extensions.

To upload the confidential file with NixOps, use for example:

```
# https://releases.nixos.org/nixops/latest/manual/manual.html#opt- \
deployment.keys
deployment.keys."vault.hcl" = let db = import ./db-credentials.nix \
; in {
  text = ''
    storage "postgresql" {
      connection_url = "postgres://${db.username}:${db.password}@ho \
st.example.com/exampledb?sslmode=verify-ca"
    }
  '';
  user = "vault";
};
services.vault.extraSettingsPaths = ["/run/keys/vault.hcl"];
services.vault.storageBackend = "postgresql";
users.users.vault.extraGroups = ["keys"];
```

Type: list of absolute path

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/security/vault.nix>

services.vault.listenerExtraConfig

Extra text appended to the listener section.

Type: strings concatenated with "\n"

Default:

```
tls_min_version = "tls12"
```

Declared by:

<nixpkgs/nixos/modules/services/security/vault.nix>

services.vault.storageBackend

The name of the type of storage backend

Type: one of "inmem", "file", "consul", "zookeeper", "s3", "azure", "dynamodb", "etcd", "mssql", "mysql", "postgresql", "swift", "gcs", "raft"

Default:

```
"inmem"
```

Declared by:

<nixpkgs/nixos/modules/services/security/vault.nix>

services.vault.storageConfig

HCL configuration to insert in the storageBackend section.

Confidential values should not be specified here because this option's value is written to the Nix store, which is publicly readable. Provide credentials and such in a separate file using **services.vault.extraSettingsPaths**.

Type: null or strings concatenated with "\n"

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/vault.nix>

services.vault.storagePath
Data directory for file backend

Type: null or absolute path

Default:

```
if config.services.vault.storageBackend == "file" || cfg.storageBac \
kend == "raft"
then "/var/lib/vault"
else null
```

Declared by:
<nixpkgs/nixos/modules/services/security/vault.nix>

services.vault.telemetryConfig
Telemetry configuration

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/security/vault.nix>

services.vault.tlsCertFile
TLS certificate file. TLS will be disabled unless this option is set

Type: null or string

Default:

```
null
```

Example:

```
"/path/to/your/cert.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/security/vault.nix>

services.vault.tlsKeyFile
TLS private key file. TLS will be disabled unless this option is set

Type: null or string

Default:

```
null
```

Example:

```
"/path/to/your/key.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/security/vault.nix>

services.vault−agent.instances
Attribute set of vault−agent instances. Creates independent ‘vault−agent−${name}.service’ systemd units for each instance defined here.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/security/vault−agent.nix>

services.vault−agent.instances.<name>.enable
Whether to enable this vault−agent instance.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/vault−agent.nix>

services.vault−agent.instances.<name>.package
The vault package to use.

Type: package

Default:

```
pkgs.vault
```

Declared by:
<nixpkgs/nixos/modules/services/security/vault−agent.nix>

services.vault−agent.instances.<name>.group
Group under which this instance runs.

Type: string

Default:

```
"root"
```

Declared by:
<nixpkgs/nixos/modules/services/security/vault−agent.nix>

services.vault−agent.instances.<name>.settings
Free−form settings written directly to the *config.json* file. Refer to **https://developer.hashicorp.com/vault/docs/agent#configuration−file−options** for supported values.

> **Note**
> Resulting format is JSON not HCL. Refer to **https://www.hcl2json.com/** if you are unsure how to convert HCL options to JSON.

Type: open submodule of (JSON value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/security/vault−agent.nix>

services.vault−agent.instances.<name>.settings.pid_file
Path to use for the pid file.

Type: string

Default:

```
"/run/vault−agent/‹name›.pid"
```

Declared by:
<nixpkgs/nixos/modules/services/security/vault−agent.nix>

services.vault−agent.instances.<name>.user
User under which this instance runs.

Type: string

Default:

```
"root"
```

Declared by:
<nixpkgs/nixos/modules/services/security/vault−agent.nix>

services.vaultwarden.enable
Whether to enable vaultwarden.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/vaultwarden/default.nix>

services.vaultwarden.package
The vaultwarden package to use.

Type: package

Default:

```
pkgs.vaultwarden
```

Declared by:
<nixpkgs/nixos/modules/services/security/vaultwarden/default.nix>

services.vaultwarden.backupDir
The directory under which vaultwarden will backup its persistent data.

Type: null or string

Default:

```
null
```

Example:

```
"/var/backup/vaultwarden"
```

Declared by:
<nixpkgs/nixos/modules/services/security/vaultwarden/default.nix>

services.vaultwarden.config
The configuration of vaultwarden is done through environment variables, therefore it is recommended to use upper snake case (e.g. **DISABLE_2FA_REMEMBER**).

However, camel case (e.g. ‘disable2FARemember’) is also supported: The NixOS module will convert it automatically to upper case snake case (e.g. **DISABLE_2FA_REMEMBER**). In this conversion digits (0−9) are handled just like upper case characters, so ‘foo2’ would be converted to **FOO_2**. Names already in this format remain unchanged, so ‘FOO2’ remains ‘FOO2’ if passed as such, even though ‘foo2’ would have been converted to **FOO_2**. This allows working around any potential future conflicting naming conventions.

Based on the attributes passed to this config option an environment file will be generated that is passed to vaultwarden's systemd service.

The available configuration options can be found in **the environment template file**.

See **services.vaultwarden.environmentFile** for how to set up access to the Admin UI to invite initial users.

Type: attribute set of (null or boolean or signed integer or string)

Default:

```
{
  ROCKET_ADDRESS = "::1";
  ROCKET_PORT = 8222;
}
```

Example:

```
{
  DOMAIN = "https://bitwarden.example.com";
  SIGNUPS_ALLOWED = false;
  # Vaultwarden recommends running behind a reverse proxy, the conf \
igureNginx option can be used for that.
  ROCKET_ADDRESS = "127.0.0.1";
  ROCKET_PORT = 8222;
  ROCKET_LOG = "critical";
  # This example assumes a mailserver running on localhost,
  # thus without transport encryption.
  # If you use an external mail server, follow:
  #   https://github.com/dani-garcia/vaultwarden/wiki/SMTP-config \
uration
  SMTP_HOST = "127.0.0.1";
  SMTP_PORT = 25;
  SMTP_SSL = false;
  SMTP_FROM = "admin@bitwarden.example.com";
  SMTP_FROM_NAME = "example.com Bitwarden server";
}
```

Declared by:

<nixpkgs/nixos/modules/services/security/vaultwarden/default.nix>

services.vaultwarden.configureNginx

Whether to configure nginx to serve VaultWarden.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/security/vaultwarden/default.nix>

services.vaultwarden.configurePostgres

Whether to configure a local PostgreSQL server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/vaultwarden/default.nix>

services.vaultwarden.dbBackend
Which database backend vaultwarden will be using.

Type: one of “sqlite”, “mysql”, “postgresql”

Default:

```
"sqlite"
```

Declared by:
<nixpkgs/nixos/modules/services/security/vaultwarden/default.nix>

services.vaultwarden.domain
The domain under which VaultWarden will be reachable.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/vaultwarden/default.nix>

services.vaultwarden.environmentFile
Additional environment file or files as defined in **systemd.exec**(5).

Secrets like **ADMIN_TOKEN** and **SMTP_PASSWORD** should be passed to the service without adding them to the world−readable Nix store.

Note that this file needs to be available on the host on which ‘vaultwarden’ is running.

As a concrete example, to make the Admin UI available (from which new users can be invited initially), the secret **ADMIN_TOKEN** needs to be defined as described **here**:

```
# Admin secret token, see
# https://github.com/dani-garcia/vaultwarden/wiki/Enabling-admin \
-page
ADMIN_TOKEN=...copy-paste a unique generated secret token here...
```

Type: (list of absolute path) or absolute path convertible to it

Default:

```
[ ]
```

Example:

```
"/var/lib/vaultwarden.env"
```

Declared by:
<nixpkgs/nixos/modules/services/security/vaultwarden/default.nix>

services.vaultwarden.webVaultPackage
The webvault package to use.

Type: package

Default:

```
pkgs.vaultwarden.webvault
```

Declared by:
<nixpkgs/nixos/modules/services/security/vaultwarden/default.nix>

services.vdirsyncer.enable
Whether to enable vdirsyncer.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/vdirsyncer.nix>

services.vdirsyncer.package
The vdirsyncer package to use.

Type: package

Default:

```
pkgs.vdirsyncer
```

Declared by:
<nixpkgs/nixos/modules/services/networking/vdirsyncer.nix>

services.vdirsyncer.jobs
vdirsyncer job configurations

Type: attribute set of (submodule)

Declared by:
<nixpkgs/nixos/modules/services/networking/vdirsyncer.nix>

services.vdirsyncer.jobs.<name>.enable
Whether to enable this vdirsyncer job.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/vdirsyncer.nix>

services.vdirsyncer.jobs.<name>.additionalGroups
additional groups to add the dynamic user to

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/vdirsyncer.nix>

services.vdirsyncer.jobs.<name>.config.general
general configuration

Type: attribute set

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/vdirsyncer.nix>

services.vdirsyncer.jobs.<name>.config.pairs
vdirsyncer pair configurations

Type: attribute set of (attribute set)

Default:

```
{ }
```

Example:

```
{
  my_contacts = {
    a = "my_cloud_contacts";
    b = "my_local_contacts";
    collections = [ "from a" ];
    conflict_resolution = "a wins";
    metadata = [ "color" "displayname" ];
  };
};
```

Declared by:
<nixpkgs/nixos/modules/services/networking/vdirsyncer.nix>

services.vdirsyncer.jobs.<name>.config.statusPath
vdirsyncer's status path

Type: null or string

Default:

```
/var/lib/vdirsyncer/${attrName}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/vdirsyncer.nix>

services.vdirsyncer.jobs.<name>.config.storages
vdirsyncer storage configurations

Type: attribute set of (attribute set)

Default:

```
{ }
```

Example:

```
{
  my_cloud_contacts = {
    type = "carddav";
    url = "https://dav.example.com/";
    read_only = true;
    username = "user";
    "password.fetch" = [ "command" "cat" "/etc/vdirsyncer/cloud.pas \
```

```
swd" ];
  };
  my_local_contacts = {
    type = "carddav";
    url = "https://localhost/";
    username = "user";
    "password.fetch" = [ "command" "cat" "/etc/vdirsyncer/local.pas \
swd" ];
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/vdirsyncer.nix>

services.vdirsyncer.jobs.<name>.configFile
existing configuration file

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/vdirsyncer.nix>

services.vdirsyncer.jobs.<name>.forceDiscover
Run ‘yes | vdirsyncer discover’ prior to ‘vdirsyncer sync’

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/vdirsyncer.nix>

services.vdirsyncer.jobs.<name>.group
group to run vdirsyncer as

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/vdirsyncer.nix>

services.vdirsyncer.jobs.<name>.timerConfig
systemd timer configuration

Type: attribute set

Default:

```
{
  OnBootSec = "1h";
  OnUnitActiveSec = "6h";
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/vdirsyncer.nix>

services.vdirsyncer.jobs.<name>.user

User account to run vdirsyncer as, otherwise as a systemd dynamic user

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/vdirsyncer.nix>

services.vdr.enable

Whether to enable VDR, a video disk recorder.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/vdr.nix>

services.vdr.enableLirc

Whether to enable LIRC.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/vdr.nix>

services.vdr.package

The vdr package to use.

Type: package

Default:

```
pkgs.vdr
```

Example:

```
wrapVdr.override { plugins = with pkgs.vdrPlugins; [ hello ]; }
```

Declared by:

<nixpkgs/nixos/modules/services/hardware/vdr.nix>

services.vdr.extraArguments

Additional command line arguments to pass to VDR.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/vdr.nix>

services.vdr.group
Group under which the VDRvdr service runs.

Type: string

Default:

```
"vdr"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/vdr.nix>

services.vdr.user
User under which the VDR service runs.

Type: string

Default:

```
"vdr"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/vdr.nix>

services.vdr.videoDir
Recording directory

Type: absolute path

Default:

```
"/srv/vdr/video"
```

Declared by:
<nixpkgs/nixos/modules/services/hardware/vdr.nix>

services.vector.enable
Whether to enable Vector, a high−performance observability data pipeline.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/logging/vector.nix>

services.vector.package
The vector package to use.

Type: package

Default:

```
pkgs.vector
```

Declared by:
<nixpkgs/nixos/modules/services/logging/vector.nix>

services.vector.gracefulShutdownLimitSecs

Set the duration in seconds to wait for graceful shutdown after SIGINT or SIGTERM are received. After the duration has passed, Vector will force shutdown.

Type: positive integer, meaning >0

Default:

```
60
```

Declared by:

<nixpkgs/nixos/modules/services/logging/vector.nix>

services.vector.journaldAccess

Enable Vector to access journald.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/logging/vector.nix>

services.vector.settings

Specify the configuration for Vector in Nix.

Type: JSON value

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/logging/vector.nix>

services.vector.validateConfig

Enable the checking of the vector config during build time. This should be disabled when interpolating environment variables.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/logging/vector.nix>

services.veilid.enable

Whether to enable Veilid Headless Node.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/veilid.nix>

services.veilid.openFirewall

Whether to open firewall on ports 5150/tcp, 5150/udp

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/veilid.nix>

services.veilid.settings

Build veilid−server.conf with nix expression. Check <link xlink:href="https://veilid.gitlab.io/developer−book/admin/config.html#configuration−keys">Configuration Keys</link>.

Type: open submodule of (YAML 1.1 value)

Declared by:

<nixpkgs/nixos/modules/services/networking/veilid.nix>

services.veilid.settings.client_api.ipc_directory

IPC directory where file sockets are stored.

Type: string

Default:

```
"/var/db/veilid−server/ipc"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/veilid.nix>

services.veilid.settings.client_api.ipc_enabled

veilid−server will respond to Python and other JSON client requests.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/veilid.nix>

services.veilid.settings.core.block_store.directory

The filesystem directory to store blocks for the block store.

Type: null or string

Default:

```
"/var/db/veilid−server/block_store"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/veilid.nix>

services.veilid.settings.core.capabilities.disable

A list of capabilities to disable (for example, DHTV to say you cannot store DHT information).

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "APPM"
```

```
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/veilid.nix>

services.veilid.settings.core.network.detect_address_changes
Should veilid−core detect and notify on network address changes?

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/veilid.nix>

services.veilid.settings.core.network.dht.min_peer_count
Minimum number of nodes to keep in the peer table.

Type: null or signed integer or floating point number

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/veilid.nix>

services.veilid.settings.core.network.routing_table.bootstrap
Host name of existing well−known Veilid bootstrap servers for the network to connect to.

Type: null or (list of string)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/veilid.nix>

services.veilid.settings.core.network.routing_table.public_keys
Base64−encoded public key for the node, used as the node's ID.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/veilid.nix>

services.veilid.settings.core.network.upnp
Should the app try to improve its incoming network connectivity using UPnP?

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/veilid.nix>

services.veilid.settings.core.protected_store.allow_insecure_fallback
If we can’t use system−provided secure storage, should we proceed anyway?

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/veilid.nix>

services.veilid.settings.core.protected_store.always_use_insecure_storage
Should we bypass any attempt to use system−provided secure storage?

Type: null or boolean

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/veilid.nix>

services.veilid.settings.core.protected_store.directory
The filesystem directory to store your protected store in.

Type: string

Default:

```
"/var/db/veilid-server/protected_store"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/veilid.nix>

services.veilid.settings.core.table_store.directory
The filesystem directory to store your table store within.

Type: string

Default:

```
"/var/db/veilid-server/table_store"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/veilid.nix>

services.veilid.settings.logging.api.enabled
Events of type ‘api’ will be logged.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/veilid.nix>

services.veilid.settings.logging.api.level
The minimum priority of api events to be logged.

Type: string

Default:

```
"info"
```

Example:

```
"debug"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/veilid.nix>

services.veilid.settings.logging.system.enabled
Events of type ‘system’ will be logged.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/veilid.nix>

services.veilid.settings.logging.system.level
The minimum priority of system events to be logged.

Type: string

Default:

```
"info"
```

Example:

```
"debug"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/veilid.nix>

services.veilid.settings.logging.terminal.enabled
Events of type ‘terminal’ will be logged.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/veilid.nix>

services.veilid.settings.logging.terminal.level
The minimum priority of terminal events to be logged.

Type: string

Default:

```
"info"
```

Example:

```
"debug"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/veilid.nix>

services.victorialogs.enable
Whether to enable VictoriaLogs is an open source user−friendly database for logs from VictoriaMetrics.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/databases/victorialogs.nix>

services.victorialogs.package
The victorialogs package to use.

Type: package

Default:

```
pkgs.victorialogs
```

Declared by:
<nixpkgs/nixos/modules/services/databases/victorialogs.nix>

services.victorialogs.basicAuthPasswordFile
File that contains the Basic Auth password used to protect VictoriaLogs instance by authorization

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/databases/victorialogs.nix>

services.victorialogs.basicAuthUsername
Basic Auth username used to protect VictoriaLogs instance by authorization

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/databases/victorialogs.nix>

services.victorialogs.extraOptions
Extra options to pass to VictoriaLogs. See **victoria-logs -help** for possible options.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-loggerLevel=WARN"
]
```

Declared by:
<nixpkgs/nixos/modules/services/databases/victorialogs.nix>

services.victorialogs.listenAddress
TCP address to listen for incoming http requests.

Type: string

Default:

```
":9428"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/victorialogs.nix>

services.victorialogs.stateDir
Directory below '/var/lib' to store VictoriaLogs data. This directory will be created automatically using systemd's StateDirectory mechanism.

Type: string

Default:

```
"victorialogs"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/victorialogs.nix>

services.victoriametrics.enable
Whether to enable VictoriaMetrics in single−node mode.

VictoriaMetrics is a fast, cost−effective and scalable monitoring solution and time series database.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/databases/victoriametrics.nix>

services.victoriametrics.package
The victoriametrics package to use.

Type: package

Default:

```
pkgs.victoriametrics
```

Declared by:
<nixpkgs/nixos/modules/services/databases/victoriametrics.nix>

services.victoriametrics.basicAuthPasswordFile
File that contains the Basic Auth password used to protect VictoriaMetrics instance by authorization

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/databases/victoriametrics.nix>

services.victoriametrics.basicAuthUsername
Basic Auth username used to protect VictoriaMetrics instance by authorization

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/databases/victoriametrics.nix>

services.victoriametrics.checkConfig

Check configuration.

If you use credentials stored in external files ('environmentFile', etc), they will not be visible and it will report errors, despite a correct configuration.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/databases/victoriametrics.nix>

services.victoriametrics.extraOptions

Extra options to pass to VictoriaMetrics. See the docs: **https://docs.victoriametrics.com/single-server-victoriametrics/#list-of-command-line-flags** or **victoriametrics -help** for more information.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-loggerLevel=WARN"
]
```

Declared by:

<nixpkgs/nixos/modules/services/databases/victoriametrics.nix>

services.victoriametrics.listenAddress

TCP address to listen for incoming http requests.

Type: string

Default:

```
":8428"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/victoriametrics.nix>

services.victoriametrics.prometheusConfig

Config for prometheus style metrics. See the docs: **https://docs.victoriametrics.com/vmagent/#how-to-collect-metrics-in-prometheus-format** for more information.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Example:

```
{
  scrape_configs = [
    {
      job_name = "postgres-exporter";
      metrics_path = "/metrics";
      static_configs = [
        {
          targets = ["1.2.3.4:9187"];
```

```
            labels.type = "database";
          }
        ];
      }
      {
        job_name = "node-exporter";
        metrics_path = "/metrics";
        static_configs = [
          {
            targets = ["1.2.3.4:9100"];
            labels.type = "node";
          }
          {
            targets = ["5.6.7.8:9100"];
            labels.type = "node";
          }
        ];
      }
    ];
  }
```

Declared by:
<nixpkgs/nixos/modules/services/databases/victoriametrics.nix>

services.victoriametrics.retentionPeriod
How long to retain samples in storage. The minimum retentionPeriod is 24h or 1d. See also −retentionFilter The following optional suffixes are supported: s (second), h (hour), d (day), w (week), y (year). If suffix isn't set, then the duration is counted in months (default 1)

Type: null or string

Default:

```
null
```

Example:

```
"15d"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/victoriametrics.nix>

services.victoriametrics.stateDir
Directory below '/var/lib' to store VictoriaMetrics metrics data. This directory will be created automatically using systemd's StateDirectory mechanism.

Type: string

Default:

```
"victoriametrics"
```

Declared by:
<nixpkgs/nixos/modules/services/databases/victoriametrics.nix>

services.victoriatraces.enable
Whether to enable VictoriaTraces is an open source distributed traces storage and query engine from VictoriaMetrics.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/databases/victoriatraces.nix>

services.victoriatraces.package
The victoriatraces package to use.

Type: package

Default:

```
pkgs.victoriatraces
```

Declared by:
<nixpkgs/nixos/modules/services/databases/victoriatraces.nix>

services.victoriatraces.basicAuthPasswordFile
File that contains the Basic Auth password used to protect VictoriaTraces instance by authorization

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/databases/victoriatraces.nix>

services.victoriatraces.basicAuthUsername
Basic Auth username used to protect VictoriaTraces instance by authorization

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/databases/victoriatraces.nix>

services.victoriatraces.extraOptions
Extra options to pass to VictoriaTraces. See **victoria-traces -help** for possible options.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-loggerLevel=WARN"
  "-retention.maxDiskSpaceUsageBytes=1073741824"
]
```

Declared by:
<nixpkgs/nixos/modules/services/databases/victoriatraces.nix>

services.victoriatraces.listenAddress

TCP address to listen for incoming http requests.

Type: string

Default:

```
":10428"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/victoriatraces.nix>

services.victoriatraces.retentionPeriod

Retention period for trace data. Data older than retentionPeriod is automatically deleted.

Type: string

Default:

```
"7d"
```

Example:

```
"30d"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/victoriatraces.nix>

services.victoriatraces.stateDir

Directory below ‘/var/lib’ to store VictoriaTraces data. This directory will be created automatically using systemd’s StateDirectory mechanism.

Type: string

Default:

```
"victoriatraces"
```

Declared by:

<nixpkgs/nixos/modules/services/databases/victoriatraces.nix>

services.vikunja.enable

Whether to enable vikunja service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/vikunja.nix>

services.vikunja.package

The vikunja package to use.

Type: package

Default:

```
pkgs.vikunja
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/vikunja.nix>

services.vikunja.address
The IP address to bind to.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/vikunja.nix>

services.vikunja.database.database
Database name.

Type: string

Default:

```
"vikunja"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/vikunja.nix>

services.vikunja.database.host
Database host address. Can also be a socket.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/vikunja.nix>

services.vikunja.database.path
Path to the sqlite3 database file.

Type: string

Default:

```
"/var/lib/vikunja/vikunja.db"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/vikunja.nix>

services.vikunja.database.type
Database engine to use.

Type: one of “sqlite”, “mysql”, “postgres”

Default:

```
"sqlite"
```

Example:

```
"postgres"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/vikunja.nix>

services.vikunja.database.user
Database user.

Type: string

Default:

```
"vikunja"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/vikunja.nix>

services.vikunja.environmentFiles
List of environment files set in the vikunja systemd service. For example passwords should be set in one of these files.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/vikunja.nix>

services.vikunja.frontendHostname
The Hostname under which the frontend is running.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/vikunja.nix>

services.vikunja.frontendScheme
Whether the site is available via http or https.

Type: one of “http”, “https”

Declared by:
<nixpkgs/nixos/modules/services/web−apps/vikunja.nix>

services.vikunja.port
The TCP port exposed by the API.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3456
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/vikunja.nix>

services.vikunja.settings
Vikunja configuration. Refer to **https://vikunja.io/docs/config−options/** for details on supported values.

Type: YAML 1.1 value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/vikunja.nix>

services.vinyl−cache.enable
Whether to enable Vinyl Cache.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/vinyl−cache/default.nix>

services.vinyl−cache.enableConfigCheck
Whether to enable checking the config during build time.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/vinyl−cache/default.nix>

services.vinyl−cache.enableFileLogging
Whether to enable file based logging.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/vinyl−cache/default.nix>

services.vinyl−cache.package
The vinyl−cache package to use.

Type: package

Default:

```
pkgs.vinyl−cache
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/vinyl−cache/default.nix>

services.vinyl−cache.config
Verbatim default.vcl configuration.

Type: strings concatenated with “\n”

Declared by:
<nixpkgs/nixos/modules/services/web−servers/vinyl−cache/default.nix>

services.vinyl−cache.extraCommandLine

Command line switches for vinyld (run ‘vinyld −?’ to get list of options)

Type: string

Default:

```
""
```

Example:

```
"−s malloc,256M"
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/vinyl−cache/default.nix>

services.vinyl−cache.extraModules

Vinyl Cache modules (except ‘std’).

Type: list of package

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/vinyl−cache/default.nix>

services.vinyl−cache.listen

Accept for client requests on the specified listen addresses.

Type: list of (submodule)

Default:

```
[ { address="*"; port=6081; } ]
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/vinyl−cache/default.nix>

services.vinyl−cache.listen.*.address

If given an IP address, it can be a host name (“localhost”), an IPv4 dotted−quad (“127.0.0.1”) or an IPv6 address enclosed in square brackets (“[::1]”).

(VCL4.1 and higher) If given an absolute Path (“/path/to/listen.sock”) or “@” followed by the name of an abstract socket (“@myvinyld”) accept connections on a Unix domain socket.

The user, group and mode sub−arguments may be used to specify the permissions of the socket file. These sub−arguments do not apply to abstract sockets.

Type: string

Declared by:

<nixpkgs/nixos/modules/services/web−servers/vinyl−cache/default.nix>

services.vinyl−cache.listen.*.group

Group name who owns the socket file.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−servers/vinyl−cache/default.nix>

services.vinyl−cache.listen.*.mode
Permission of the socket file (3−digit octal value).

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/vinyl−cache/default.nix>

services.vinyl−cache.listen.*.name
Name is referenced in logs. If name is not specified, ‘a0’, ‘a1’, etc. is used.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/vinyl−cache/default.nix>

services.vinyl−cache.listen.*.port
The port to use for IP sockets. If port is not specified, port 80 (http) is used.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/vinyl−cache/default.nix>

services.vinyl−cache.listen.*.proto
PROTO can be ‘HTTP’ (the default) or ‘PROXY’. Both version 1 and 2 of the proxy protocol can be used.

Type: one of “HTTP”, “PROXY”

Default:

```
"HTTP"
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/vinyl−cache/default.nix>

services.vinyl−cache.listen.*.user
User name who owns the socket file.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−servers/vinyl−cache/default.nix>

services.vlagent.enable
Whether to enable VictoriaMetrics’s ‘vlagent’.

‘vlagent’ is a tiny agent which helps you collect logs from various sources and store them in VictoriaLogs .

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/vlagent.nix>

services.vlagent.package
The vlagent package to use.

Type: package

Default:

```
pkgs.vlagent
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/vlagent.nix>

services.vlagent.extraArgs
Extra args to pass to 'vlagent'. See the docs: **https://docs.victoriametrics.com/vlagent.html#advanced−usage** or **vlagent −help** for more information.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/vlagent.nix>

services.vlagent.openFirewall
Whether to open the firewall for the default ports.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/vlagent.nix>

services.vlagent.remoteWrite.basicAuthPasswordFile
File that contains the Basic Auth password used to connect to remote_write endpoint

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/vlagent.nix>

services.vlagent.remoteWrite.basicAuthUsername
Basic Auth username used to connect to remote_write endpoint

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/vlagent.nix>

services.vlagent.remoteWrite.maxDiskUsagePerUrl

The maximum file−based buffer size in bytes. Supports the following optional suffixes for size values: KB, MB, GB, TB, KiB, MiB, GiB, TiB. See docs for more infomations: **https://docs.victoriametrics.com/vlagent.html#advanced−usage**

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/vlagent.nix>

services.vlagent.remoteWrite.url

Endpoint for the victorialogs instance

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/vlagent.nix>

services.vmagent.enable

Whether to enable VictoriaMetrics's 'vmagent'.

'vmagent' efficiently scrape metrics from Prometheus−compatible exporters

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/vmagent.nix>

services.vmagent.package

The vmagent package to use.

Type: package

Default:

```
pkgs.vmagent
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/vmagent.nix>

services.vmagent.checkConfig

Check configuration.

If you use credentials stored in external files ('environmentFile', etc), they will not be visible and it will report errors, despite a correct configuration.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/vmagent.nix>

services.vmagent.extraArgs

Extra args to pass to 'vmagent'. See the docs: **https://docs.victoriametrics.com/vmagent.html#advanced−usage** or **vmagent −help** for more information.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/vmagent.nix>

services.vmagent.openFirewall

Whether to open the firewall for the default ports.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/vmagent.nix>

services.vmagent.prometheusConfig

Config for prometheus style metrics

Type: open submodule of (YAML 1.1 value)

Declared by:

<nixpkgs/nixos/modules/services/monitoring/vmagent.nix>

services.vmagent.remoteWrite.basicAuthPasswordFile

File that contains the Basic Auth password used to connect to remote_write endpoint

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/vmagent.nix>

services.vmagent.remoteWrite.basicAuthUsername

Basic Auth username used to connect to remote_write endpoint

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/vmagent.nix>

services.vmagent.remoteWrite.url

Endpoint for prometheus compatible remote_write

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/vmagent.nix>

services.vmalert.package
The victoriametrics package to use.

Type: package

Default:

```
pkgs.victoriametrics
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/vmalert.nix>

services.vmalert.instances
Define multiple instances of vmalert.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/vmalert.nix>

services.vmalert.instances.<name>.enable
Wether to enable VictoriaMetrics's 'vmalert'.

'vmalert' evaluates alerting and recording rules against a data source, sends notifications via Alertmanager.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/vmalert.nix>

services.vmalert.instances.<name>.rules
A list of the given alerting or recording rules against configured '"datasource.url"' compatible with Prometheus HTTP API for 'vmalert' to execute. Refer to **https://github.com/VictoriaMetrics/VictoriaMetrics/blob/master/app/vmalert/README.md#rules** for details on supported values.

Type: YAML 1.1 value

Default:

```
{ }
```

Example:

```
{
  group = [
    {
      name = "TestGroup";
      rules = [
        {
          alert = "ExampleAlertAlwaysFiring";
          expr = ''
            sum by(job)
            (up == 1)
          '';
```

```
          }
        ];
      }
    ];
}
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/vmalert.nix>

services.vmalert.instances.<name>.settings
'vmalert' configuration, passed via command line flags. Refer to **https://github.com/VictoriaMetrics/VictoriaMetrics/blob/master/app/vmalert/README.md#configuration** for details on supported values.

Type: open submodule of attribute set of (boolean or signed integer or absolute path or string or list of (boolean or signed integer or absolute path or string))

Default:

```
{ }
```

Example:

```
{
  "datasource.disableKeepAlive" = true;
  "datasource.showURL" = false;
  "datasource.url" = "http://localhost:8428";
  rule = [
    "http://<some-server-addr>/path/to/rules"
    "dir/*.yaml"
  ];
}
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/vmalert.nix>

services.vmalert.instances.<name>.settings."datasource.url"
Datasource compatible with Prometheus HTTP API.

Type: non−empty string

Example:

```
"http://localhost:8428"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/vmalert.nix>

services.vmalert.instances.<name>.settings."notifier.url"
Prometheus Alertmanager URL. List all Alertmanager URLs if it runs in the cluster mode to ensure high availability.

Type: list of non−empty string

Default:

```
[ ]
```

Example:

```
[
  "http://127.0.0.1:9093"
]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/vmalert.nix>

services.vmalert.instances.<name>.settings.rule
Path to the files with alerting and/or recording rules.

Note
Consider using the **services.vmalert.instances.<name>.rules** option as a convenient alternative for declaring rules directly in the ‘nix’ language.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/vmalert.nix>

services.vnstat.enable
Whether to enable update of network usage statistics via vnstatd.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/vnstat.nix>

services.vnstat.package
The vnstat package to use.

Type: package

Default:

```
pkgs.vnstat
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/vnstat.nix>

services.vsftpd.enable
Whether to enable vsftpd.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/vsftpd.nix>

services.vsftpd.enableVirtualUsers
Whether to enable the ‘pam_userdb’−based virtual user system

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/vsftpd.nix>

services.vsftpd.allowWriteableChroot

Allow the use of writeable root inside chroot().

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/vsftpd.nix>

services.vsftpd.anonymousMkdirEnable

Whether any uploads are permitted to anonymous users.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/vsftpd.nix>

services.vsftpd.anonymousUmask

Anonymous write umask.

Type: string

Default:

```
"077"
```

Example:

```
"002"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/vsftpd.nix>

services.vsftpd.anonymousUploadEnable

Whether any uploads are permitted to anonymous users.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/vsftpd.nix>

services.vsftpd.anonymousUser

Whether to enable the anonymous FTP user.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/vsftpd.nix>

services.vsftpd.anonymousUserHome

Directory to consider the HOME of the anonymous user.

Type: absolute path

Default:

```
"/home/ftp/"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/vsftpd.nix>

services.vsftpd.anonymousUserNoPassword

Whether to disable the password for the anonymous FTP user.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/vsftpd.nix>

services.vsftpd.chrootlocalUser

Whether local users are confined to their home directory.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/vsftpd.nix>

services.vsftpd.extraConfig

Extra configuration to add at the bottom of the generated configuration file.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
"ftpd_banner=Hello"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/vsftpd.nix>

services.vsftpd.forceLocalDataSSL

Only applies if **sslEnable** is true. Non anonymous (local) users must use a secure SSL connection for sending/receiving data on data connection.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/vsftpd.nix>

services.vsftpd.forceLocalLoginsSSL

Only applies if **sslEnable** is true. Non anonymous (local) users must use a secure SSL connection to send a password.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/vsftpd.nix>

services.vsftpd.localRoot

This option represents a directory which vsftpd will try to change into after a local (i.e. non− anonymous) login.

Failure is silently ignored.

Type: null or string

Default:

```
null
```

Example:

```
"/var/www/$USER"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/vsftpd.nix>

services.vsftpd.localUsers

Whether to enable FTP for local users.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/vsftpd.nix>

services.vsftpd.portPromiscuous

Set to YES if you want to disable the PORT security check that ensures that outgoing data connections can only connect to the client. Only enable if you know what you are doing!

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/vsftpd.nix>

services.vsftpd.rsaCertFile

RSA certificate file.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/vsftpd.nix>

services.vsftpd.rsaKeyFile
RSA private key file.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/vsftpd.nix>

services.vsftpd.ssl_sslv2
Only applies if **ssl_enable** is activated. If enabled, this option will permit SSL v2 protocol connections. TLS v1 connections are preferred.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/vsftpd.nix>

services.vsftpd.ssl_sslv3
Only applies if **ssl_enable** is activated. If enabled, this option will permit SSL v3 protocol connections. TLS v1 connections are preferred.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/vsftpd.nix>

services.vsftpd.ssl_tlsv1
Only applies if **ssl_enable** is activated. If enabled, this option will permit TLS v1 protocol connections. TLS v1 connections are preferred.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/vsftpd.nix>

services.vsftpd.userDbPath
Only applies if **enableVirtualUsers** is true. Path pointing to the ‘pam_userdb’ user database used by vsftpd to authenticate the virtual users.

This user list should be stored in the Berkeley DB database format.

To generate a new user database, create a text file, add your users using the following format:

```
user1
password1
user2
password2
```

You can then install ‘pkgs.db’ to generate the Berkeley DB using

```
db_load -T -t hash -f logins.txt userDb.db
```

Caution: ‘pam_userdb’ will automatically append a ‘.db’ suffix to the filename you provide though this option. This option shouldn’t include this filetype suffix.

Type: null or string

Default:

```
null
```

Example:

```
"/etc/vsftpd/userDb"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/vsftpd.nix>

services.vsftpd.userlist
See **userlistFile**.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/vsftpd.nix>

services.vsftpd.userlistDeny
Specifies whether **userlistFile** is a list of user names to allow or deny access. The default ‘false’ means whitelist/allow.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/vsftpd.nix>

services.vsftpd.userlistEnable
Whether users are included.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/vsftpd.nix>

services.vsftpd.userlistFile
Newline separated list of names to be allowed/denied if **userlistEnable** is ‘true’. Meaning see **userlistDeny**.

The default is a file containing the users from **userlist**.

If explicitly set to null userlist_file will not be set in vsftpd’s config file.

Type: absolute path

Default:

```
pkgs.writeText "userlist" (concatMapStrings (x: "${x}\n") cfg.user \
list)
```

Declared by:
<nixpkgs/nixos/modules/services/networking/vsftpd.nix>

services.vsftpd.virtualUseLocalPrivs
If enabled, virtual users will use the same privileges as local users. By default, virtual users will use the same privileges as anonymous users, which tends to be more restrictive (especially in terms of write access).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/vsftpd.nix>

services.vsftpd.writeEnable
Whether any write activity is permitted to users.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/vsftpd.nix>

services.vsmartcard−vpcd.enable
Whether to enable Virtual smart card driver…

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/development/vsmartcard−vpcd.nix>

services.vsmartcard−vpcd.hostname
Hostname of a waiting vpicc server vpcd will be connecting to. Use /dev/null for listening mode.

Type: string

Default:

```
"/dev/null"
```

Declared by:
<nixpkgs/nixos/modules/services/development/vsmartcard−vpcd.nix>

services.vsmartcard−vpcd.port
Port number vpcd will be listening on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
35963
```

Declared by:
<nixpkgs/nixos/modules/services/development/vsmartcard−vpcd.nix>

services.vwifi.package
The vwifi package to use.

Type: package

Default:

```
pkgs.vwifi
```

Declared by:
<nixpkgs/nixos/modules/services/networking/vwifi.nix>

services.vwifi.client.enable
Whether to enable vwifi client.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/vwifi.nix>

services.vwifi.client.extraArgs
Extra arguments to pass to vwifi−client. You can use this if you want to bring the radios up using vwifi−client instead of at boot.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "−−number"
  "3"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/vwifi.nix>

services.vwifi.client.serverAddress
The address of the server. If set to null, will try to use the vsock protocol. Note that this assumes that the server is spawned on the host and passed through to QEMU, with something like:

−device vhost−vsock−pci,id=vwifi0,guest−cid=42

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/vwifi.nix>

services.vwifi.client.serverPort

The server port port. Set to null if we should leave it unset.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/vwifi.nix>

services.vwifi.client.spy

Whether to enable spy mode, useful for wireless monitors.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/vwifi.nix>

services.vwifi.module.enable

Whether to enable mac80211_hwsim module.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/vwifi.nix>

services.vwifi.module.macPrefix

The prefix for MAC addresses to use, without the trailing ':'. If one radio is created, you can specify the whole MAC address here. The default is defined in vwifi/src/config.h.

Type: string matching the pattern ^(([0−9A−Fa−f]{2}:){0,5}[0−9A−Fa−f]{2})$

Default:

```
"74:F8:F6"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/vwifi.nix>

services.vwifi.module.numRadios

The number of virtual radio interfaces to create.

Type: signed integer

Default:

```
1
```

Declared by:

<nixpkgs/nixos/modules/services/networking/vwifi.nix>

services.vwifi.server.enable

Whether to enable vwifi server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/vwifi.nix>

services.vwifi.server.extraArgs

Extra arguments to pass to vwifi−server. You can use this for things including changing the ports or inducing packet loss.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--lost-packets"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/vwifi.nix>

services.vwifi.server.openFirewall

Whether to enable opening the firewall for the TCP and spy ports.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/vwifi.nix>

services.vwifi.server.ports.control

The control interface port. Set to null if we should leave it unset.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/vwifi.nix>

services.vwifi.server.ports.spy

The spy interface port. Set to null if we should leave it unset.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/vwifi.nix>

services.vwifi.server.ports.tcp
The TCP server port. Set to null if we should leave it unset.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/vwifi.nix>

services.vwifi.server.ports.vhost
The vhost port. Set to null if we should leave it unset.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/vwifi.nix>

services.vwifi.server.vsock.enable
Whether to enable vsock kernel module.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/vwifi.nix>

services.waagent.enable
Whether to enable Windows Azure Linux Agent.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/waagent.nix>

services.waagent.package
The waagent package to use.

Type: package

Default:

```
pkgs.waagent
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/waagent.nix>

services.waagent.extraPackages
Additional packages to add to the waagent **PATH**.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.powershell ]
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/waagent.nix>

services.waagent.settings
The waagent.conf configuration, see **https://learn.microsoft.com/en−us/azure/virtual−machines/extensions/agent−linux** for documentation.

Type: open submodule of attribute set of (atom (bool, string, int or float) or null or a list of them or an attribute set of them)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/waagent.nix>

services.waagent.settings.AutoUpdate.UpdateToLatestVersion
Whether or not to enable auto−update of the Extension Handler.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/waagent.nix>

services.waagent.settings.HttpProxy.Host
If you set http proxy, waagent will use is proxy to access the Internet.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/waagent.nix>

services.waagent.settings.HttpProxy.Port
If you set http proxy, waagent will use this proxy to access the Internet.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/waagent.nix>

services.waagent.settings.Logs.Verbose
If you set this option, log verbosity is boosted. Waagent logs to '/var/log/waagent.log' and uses the system logrotate functionality to rotate logs.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/waagent.nix>

services.waagent.settings.OS.EnableRDMA
If enabled, the agent attempts to install and then load an RDMA kernel driver that matches the version of the firmware on the underlying hardware.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/waagent.nix>

services.waagent.settings.OS.RootDeviceScsiTimeout
Configures the SCSI timeout in seconds on the OS disk and data drives. If set to 'null', the system defaults are used.

Type: null or signed integer

Default:

```
300
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/waagent.nix>

services.waagent.settings.Provisioning.Agent
Which provisioning agent to use.

Type: one of "auto", "waagent", "cloud−init", "disabled"

Default:

```
"auto"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/waagent.nix>

services.waagent.settings.Provisioning.Enable
Whether to enable provisioning functionality in the agent.

If provisioning is disabled, SSH host and user keys in the image are preserved and configuration in the Azure provisioning API is ignored.

Set to 'false' if cloud−init is used for provisioning tasks.

Type: boolean

Default:

```
!config.services.cloud-init.enable
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/waagent.nix>

services.waagent.settings.ResourceDisk.EnableSwap
If enabled, the agent creates a swap file (‘/swapfile’) on the resource disk and adds it to the system swap space.

This configuration has no effect if resource disk is managed by cloud−init.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/waagent.nix>

services.waagent.settings.ResourceDisk.FileSystem
The file system type for the resource disk. If the string is ‘X’, then ‘mkfs.X’ should be present in the environment. You can add additional filesystem packages using ‘services.waagent.extraPackages’.

This configuration has no effect if resource disk is managed by cloud−init.

Type: string

Default:

```
"ext4"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/waagent.nix>

services.waagent.settings.ResourceDisk.Format
If set to ‘true’, waagent formats and mounts the resource disk that the platform provides, unless the file system type in ‘ResourceDisk.FileSystem’ is set to ‘ntfs’. The agent makes a single Linux partition (ID 83) available on the disk. This partition isn’t formatted if it can be successfully mounted.

This configuration has no effect if resource disk is managed by cloud−init.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/waagent.nix>

services.waagent.settings.ResourceDisk.MountOptions
This option specifies disk mount options to be passed to the ‘mount −o’ command. For more information, see the **mount**(8) manual page.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "nodev"
  "nosuid"
]
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/waagent.nix>

services.waagent.settings.ResourceDisk.MountPoint
This option specifies the path at which the resource disk is mounted. The resource disk is a temporary disk and might be emptied when the VM is deprovisioned.

This configuration has no effect if resource disk is managed by cloud−init.

Type: string

Default:

```
"/mnt/resource"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/waagent.nix>

services.waagent.settings.ResourceDisk.SwapSizeMB
Specifies the size of the swap file in MiB (1024×1024 bytes).

This configuration has no effect if resource disk is managed by cloud−init.

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/virtualisation/waagent.nix>

services.wakapi.enable
Whether to enable Wakapi.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wakapi.nix>

services.wakapi.package
The wakapi package to use.

Type: package

Default:

```
pkgs.wakapi
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wakapi.nix>

services.wakapi.database.createLocally
Whether to enable automatic database configuration.

Note
Only PostgreSQL is supported for the time being.

.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wakapi.nix>

services.wakapi.database.dialect
The database type to use for Wakapi.

Type: null or one of “postgres”, “sqlite3”, “mysql”, “cockroach”, “mssql”

Default:

```
  Database dialect from settings if {option}‘services.wakatime.sett \
ings.db.dialect‘
  is set, or ‘null‘ otherwise.
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wakapi.nix>

services.wakapi.database.name
The name of the database to use for Wakapi.

Type: string

Default:

```
  Database name from settings if {option}‘services.wakatime.setting \
s.db.name‘
  is set, or "wakapi" otherwise.
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wakapi.nix>

services.wakapi.database.user
The name of the user to use for Wakapi.

Type: string

Default:

```
  User from settings if {option}‘services.wakatime.settings.db.user \
‘
  is set, or "wakapi" otherwise.
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wakapi.nix>

services.wakapi.environmentFiles
Use this to set ‘WAKAPI_PASSWORD_SALT’ and ‘WAKAPI_MAIL_SMTP_PASS’.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wakapi.nix>

services.wakapi.settings
Settings for Wakapi.

See **config.default.yml** for a list of all possible options.

Type: YAML 1.1 value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wakapi.nix>

services.wakapi.stateDir
The state directory where data is stored. Will also be used as the working directory for the wakapi service.

Type: absolute path

Default:

```
"/var/lib/wakapi"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wakapi.nix>

services.warpgate.enable
Whether to enable Warpgate. This module will initialize Warpgate base on your config automatically. Please run 'warpgate recover−access' to gain access.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.package
The warpgate package to use.

Type: package

Default:

```
pkgs.warpgate
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.databaseUrlFile
Path to file containing database connection string with credentials. Should be a one line file with: 'database_url: <protocol>://<username>:<password>@<host>/<database>'. See **SeaORM documentation**.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings
Warpgate configuration.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Example:

```
{
  http = {
    listen = "[::]:8011";
  };
  ssh = {
    enable = true;
    listen = "[::]:2211";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.database_url
Database connection string. See **SeaORM documentation**.

Type: null or string

Default:

```
"sqlite:/var/lib/warpgate/db"
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.external_host
Configure the domain name of this Warpgate instance. See **HTTP domain binding**. This option is considered legacy, please use protocol specific ‘external_host’ instead.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.http.certificate
Path to HTTPS listener certificate.

Type: string

Default:

```
"/var/lib/warpgate/tls.certificate.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.http.cookie_max_age
How long until logged in cookie expires.

Type: string

Default:

```
"1day"
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.http.external_host
The HTTP listener is reachable via this domain name externally.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.http.external_port
The HTTP listener is reachable via this port externally.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.http.key
Path to HTTPS listener private key.

Type: string

Default:

```
"/var/lib/warpgate/tls.key.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.http.listen
Listen endpoint of HTTP listener.

Type: string

Default:

```
"[::]:8888"
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.http.session_max_age
How long until a logged in session expires.

Type: string

Default:

```
"30m"
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.http.sni_certificates
Certificates for additional domains.

Type: list of (open submodule of (YAML 1.1 value))

Default:

```
[ ]
```

Example:

```
[
  {
    certificate = "/var/lib/warpgate/example.tld.pem";
    key = "/var/lib/warpgate/example.tld.key.pem";
  }
  {
    ...
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.http.sni_certificates.*.certificate
Path to certificate.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.http.sni_certificates.*.key
Path to private key.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.http.trust_x_forwarded_headers
Trust X-Forwarded-* headers. Required when being reverse proxied. See **Running behind a reverse proxy**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.kubernetes.enable
Whether to enable Kubernetes listener.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.kubernetes.certificate
Path to Kubernetes listener certificate.

Type: string

Default:

```
"/var/lib/warpgate/tls.certificate.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.kubernetes.external_host
The Kubernetes listener is reachable via this domain name externally.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.kubernetes.external_port
The Kubernetes listener is reachable via this port externally.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.kubernetes.key
Path to Kubernetes listener private key.

Type: string

Default:

```
"/var/lib/warpgate/tls.key.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.kubernetes.listen
Listen endpoint of Kubernetes listener.

Type: string

Default:

```
"[::]:8443"
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.kubernetes.session_max_age
How long until a logged in session expires.

Type: string

Default:

```
"30m"
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.log.audit_retention
How long Warpgate keeps its audit logs.

Type: string

Default:

```
"1year"
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.log.format
The format Warpgate emits logs in.

Type: one of “text”, “json”

Default:

```
"text"
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.log.retention
How long Warpgate keeps its non−audit logs and session recordings.

Type: string

Default:

```
"7days"
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.log.send_to
Path of UNIX socket of log forwarder. See **Log forwarding**;

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.mysql.enable
Whether to enable MySQL listener.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.mysql.certificate
Path to MySQL listener certificate.

Type: string

Default:

```
"/var/lib/warpgate/tls.certificate.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.mysql.external_host
The MySQL listener is reachable via this domain name externally.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.mysql.external_port
The MySQL listener is reachable via this port externally.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.mysql.key
Path to MySQL listener private key.

Type: string

Default:

```
"/var/lib/warpgate/tls.key.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.mysql.listen
Listen endpoint of MySQL listener.

Type: string

Default:

```
"[::]:33306"
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.postgres.enable
Whether to enable PostgreSQL listener.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.postgres.certificate
Path to PostgreSQL listener certificate.

Type: string

Default:

```
"/var/lib/warpgate/tls.certificate.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.postgres.external_host
The PostgreSQL listener is reachable via this domain name externally.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.postgres.external_port
The PostgreSQL listener is reachable via this port externally.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.postgres.key
Path to PostgreSQL listener private key.

Type: string

Default:

```
"/var/lib/warpgate/tls.key.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.postgres.listen
Listen endpoint of PostgreSQL listener.

Type: string

Default:

```
"[::]:55432"
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.recordings.enable
Whether to enable session recording.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.recordings.path
Path to store session recordings.

Type: string

Default:

```
"/var/lib/warpgate/recordings"
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.ssh.enable
Whether to enable SSH listener.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.ssh.external_host
The SSH listener is reachable via this domain name externally.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.ssh.external_port
The SSH listener is reachable via this port externally.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.ssh.host_key_verification
Specify host key verification action when connecting to a SSH target with unknown/differing host key.

Type: one of “prompt”, “auto_accept”, “auto_reject”

Default:

```
"prompt"
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.ssh.inactivity_timeout
How long can user be inactive until Warpgate terminates the connection.

Type: string

Default:

```
"5m"
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.ssh.keepalive_interval
If nothing is received from the client for this amount of time, server will send a keepalive message.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.ssh.keys
Path to store SSH host & client keys.

Type: string

Default:

```
"/var/lib/warpgate/ssh-keys"
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.ssh.listen
Listen endpoint of SSH listener.

Type: string

Default:

```
"[::]:2222"
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.sso_providers
Configure OIDC single sign-on providers. Main documentation can be found **here**.

Type: list of (open submodule of (YAML 1.1 value))

Default:

```
[ ]
```

Example:

```
[
  {
    name = "3rd party SSO";
    label = "ACME SSO";
    provider = {
```

```
            type = "custom";
            client_id = "123...";
            client_secret = "BC...";
            issuer_url = "https://sso.acme.inc";
            scopes = ["email"];
          };
        }
        {
          ...
        }
      ]
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.sso_providers.*.auto_create_users
Whether to create user automatically at first SSO login.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.sso_providers.*.label
SSO provider name displayed on login page.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.sso_providers.*.name
Internal identifier of SSO provider.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.sso_providers.*.provider
SSO provider configurations. See **here** for all acceptable options.

Type: attribute set of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.sso_providers.*.return_domain_whitelist
Controls the SSO return URL supplied to SSO provider. This will also required you to connect to this instance via whitelisted domain when doing SSO login.

Type: null or (list of string)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.warpgate.settings.sso_providers.*.return_url_prefix

Controls the SSO return URL supplied to SSO provider. Useful for providers that do not allow the @ sign in the URL (e.g. Azure).

Type: one of “@”, “_”

Default:

```
"@"
```

Declared by:

<nixpkgs/nixos/modules/services/security/warpgate.nix>

services.wasabibackend.enable

Whether to enable Wasabi backend service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/wasabibackend.nix>

services.wasabibackend.customConfigFile

Defines the path to a custom configuration file that is copied to the user’s directory. Overrides any config options.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/networking/wasabibackend.nix>

services.wasabibackend.dataDir

The data directory for the Wasabi backend node.

Type: absolute path

Default:

```
"/var/lib/wasabibackend"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/wasabibackend.nix>

services.wasabibackend.endpoint.ip

IP address for P2P connection to bitcoind.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wasabibackend.nix>

services.wasabibackend.endpoint.port
Port for P2P connection to bitcoind.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8333
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wasabibackend.nix>

services.wasabibackend.group
The group as which to run the wasabibackend node.

Type: string

Default:

```
config.services.wasabibackend.user
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wasabibackend.nix>

services.wasabibackend.network
The network to use for the Wasabi backend service.

Type: one of “mainnet”, “testnet”, “regtest”

Default:

```
"mainnet"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wasabibackend.nix>

services.wasabibackend.rpc.ip
IP address for RPC connection to bitcoind.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wasabibackend.nix>

services.wasabibackend.rpc.password
RPC password for the bitcoin endpoint. Warning: this is stored in cleartext in the Nix store! Use ‘configFile’ or ‘passwordFile’ if needed.

Type: string

Default:

```
"password"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wasabibackend.nix>

services.wasabibackend.rpc.passwordFile
File that contains the password of the RPC user.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wasabibackend.nix>

services.wasabibackend.rpc.port
Port for RPC connection to bitcoind.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8332
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wasabibackend.nix>

services.wasabibackend.rpc.user
RPC user for the bitcoin endpoint.

Type: string

Default:

```
"bitcoin"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wasabibackend.nix>

services.wasabibackend.user
The user as which to run the wasabibackend node.

Type: string

Default:

```
"wasabibackend"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wasabibackend.nix>

services.wastebin.enable
Whether to enable Wastebin, a pastebin service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/wastebin.nix>

services.wastebin.package

The wastebin package to use.

Type: package

Default:

```
pkgs.wastebin
```

Declared by:

<nixpkgs/nixos/modules/services/misc/wastebin.nix>

services.wastebin.secretFile

Path to file containing sensitive environment variables. Some variables that can be considered secrets are:

- WASTEBIN_PASSWORD_SALT: salt used to hash user passwords used for encrypting pastes.
- WASTEBIN_SIGNING_KEY: sets the key to sign cookies. If not set, a random key will be generated which means cookies will become invalid after restarts and paste creators will not be able to delete their pastes anymore.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/wastebin.env"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/wastebin.nix>

services.wastebin.settings

Additional configuration for wastebin, see **https://github.com/matze/wastebin#usage** for supported values. For secrets use secretFile option instead.

Type: open submodule of attribute set of (boolean or signed integer or string)

Default:

```
{ }
```

Example:

```
{
  WASTEBIN_TITLE = "My awesome pastebin";
}
```

Declared by:

<nixpkgs/nixos/modules/services/misc/wastebin.nix>

services.wastebin.settings.RUST_LOG

Influences logging. Besides the typical trace, debug, info etc. keys, you can also set the tower_http key to some log level to get additional information request and response logs.

Type: string

Default:

```
"info"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/wastebin.nix>

services.wastebin.settings.WASTEBIN_ADDRESS_PORT
Address and port to bind to

Type: string

Default:

```
"0.0.0.0:8088"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/wastebin.nix>

services.wastebin.settings.WASTEBIN_BASE_URL
Base URL for the QR code display. If not set, the user agent's Host header field is used as an approximation.

Type: string

Default:

```
"http://localhost"
```

Example:

```
"https://myhost.tld"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/wastebin.nix>

services.wastebin.settings.WASTEBIN_CACHE_SIZE
Number of rendered syntax highlight items to cache. Can be disabled by setting to 0.

Type: signed integer

Default:

```
128
```

Declared by:
<nixpkgs/nixos/modules/services/misc/wastebin.nix>

services.wastebin.settings.WASTEBIN_DATABASE_PATH
Path to the sqlite3 database file. If not set, an in−memory database is used.

Type: string

Default:

```
"/var/lib/wastebin/sqlite3.db"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/wastebin.nix>

services.wastebin.settings.WASTEBIN_HTTP_TIMEOUT
Maximum number of seconds a request can be processed until wastebin responds with 408

Type: signed integer

Default:

```
5
```

Declared by:
<nixpkgs/nixos/modules/services/misc/wastebin.nix>

services.wastebin.settings.WASTEBIN_MAX_BODY_SIZE
Number of bytes to accept for POST requests

Type: signed integer

Default:

```
1048576
```

Declared by:
<nixpkgs/nixos/modules/services/misc/wastebin.nix>

services.wastebin.settings.WASTEBIN_TITLE
Overrides the HTML page title

Type: string

Default:

```
"wastebin"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/wastebin.nix>

services.wastebin.stateDir
State directory of the daemon.

Type: absolute path

Default:

```
"/var/lib/wastebin"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/wastebin.nix>

services.watchdogd.enable
Whether to enable watchdogd, an advanced system & process supervisor.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/watchdogd.nix>

services.watchdogd.package
The watchdogd package to use.

Type: package

Default:

```
pkgs.watchdogd
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/watchdogd.nix>

services.watchdogd.settings

Configuration to put in *watchdogd.conf*. See **watchdogd.conf**(5) for more details.

Type: open submodule of attribute set of (boolean or signed integer or floating point number or string or attribute set of (boolean or signed integer or floating point number or string))

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/watchdogd.nix>

services.watchdogd.settings.filenr.enabled

Whether to enable watchdogd plugin filenr.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/watchdogd.nix>

services.watchdogd.settings.filenr.critical

The critical watermark level. Alert sent to log, followed by reboot or script action.

Type: nonnegative integer or floating point number, meaning >=0

Default:

```
1.0
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/watchdogd.nix>

services.watchdogd.settings.filenr.interval

Amount of seconds between every poll.

Type: unsigned integer, meaning >=0

Default:

```
300
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/watchdogd.nix>

services.watchdogd.settings.filenr.logmark

Whether to log current stats every poll interval.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/watchdogd.nix>

services.watchdogd.settings.filenr.warning

The high watermark level. Alert sent to log.

Type: nonnegative integer or floating point number, meaning >=0

Default:

```
0.9
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/watchdogd.nix>

services.watchdogd.settings.interval

The kick interval, i.e. how often **watchdogd**(8) should reset the WDT timer.

Type: unsigned integer, meaning >=0

Default:

```
5
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/watchdogd.nix>

services.watchdogd.settings.loadavg.enabled

Whether to enable watchdogd plugin loadavg.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/watchdogd.nix>

services.watchdogd.settings.loadavg.critical

The critical watermark level. Alert sent to log, followed by reboot or script action.

Type: nonnegative integer or floating point number, meaning >=0

Default:

```
2.0
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/watchdogd.nix>

services.watchdogd.settings.loadavg.interval

Amount of seconds between every poll.

Type: unsigned integer, meaning >=0

Default:

```
300
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/watchdogd.nix>

services.watchdogd.settings.loadavg.logmark
Whether to log current stats every poll interval.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/watchdogd.nix>

services.watchdogd.settings.loadavg.warning
The high watermark level. Alert sent to log.

Type: nonnegative integer or floating point number, meaning >=0

Default:

```
1.0
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/watchdogd.nix>

services.watchdogd.settings.meminfo.enabled
Whether to enable watchdogd plugin meminfo.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/watchdogd.nix>

services.watchdogd.settings.meminfo.critical
The critical watermark level. Alert sent to log, followed by reboot or script action.

Type: nonnegative integer or floating point number, meaning >=0

Default:

```
0.95
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/watchdogd.nix>

services.watchdogd.settings.meminfo.interval
Amount of seconds between every poll.

Type: unsigned integer, meaning >=0

Default:

```
300
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/watchdogd.nix>

services.watchdogd.settings.meminfo.logmark
Whether to log current stats every poll interval.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/watchdogd.nix>

services.watchdogd.settings.meminfo.warning
The high watermark level. Alert sent to log.

Type: nonnegative integer or floating point number, meaning >=0

Default:

```
0.9
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/watchdogd.nix>

services.watchdogd.settings.safe−exit
With *safeExit* enabled, the daemon will ask the driver to disable the WDT before exiting. However, some WDT drivers (or hardware) may not support this.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/watchdogd.nix>

services.watchdogd.settings.timeout
The WDT timeout before reset.

Type: unsigned integer, meaning >=0

Default:

```
15
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/watchdogd.nix>

services.webdav.enable
Whether to enable WebDAV server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/webdav.nix>

services.webdav.package
The webdav package to use.

Type: package

Default:

```
pkgs.webdav
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/webdav.nix>

services.webdav.configFile
Path to config file. If this option is set, it will override any configuration done in options.services.webdav.settings.

Type: absolute path

Default:

```
"Config file generated from services.webdav.settings"
```

Example:

```
"/etc/webdav/config.yaml"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/webdav.nix>

services.webdav.environmentFile
Environment file as defined in **systemd.exec**(5).

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/webdav.nix>

services.webdav.group
Group under which WebDAV runs.

Type: string

Default:

```
"webdav"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/webdav.nix>

services.webdav.settings
Attrset that is converted and passed as config file. Available options can be found at **here**.

This program supports reading username and password configuration from environment variables, so it's strongly recommended to store username and password in a separate **EnvironmentFile**. This prevents adding secrets to the world−readable Nix store.

Type: YAML 1.1 value

Default:

```
{ }
```

Example:

```
{
    address = "0.0.0.0";
```

```
        port = 8080;
        directory = "/srv/public";
        permissions = "R";
        users = [
          {
            username = "{env}ENV_USERNAME";
            password = "{env}ENV_PASSWORD";
          }
        ];
      }
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/webdav.nix>

services.webdav.user
User account under which WebDAV runs.

Type: string

Default:

```
"webdav"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/webdav.nix>

services.webdav−server−rs.enable
Whether to enable WebDAV server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/webdav−server−rs.nix>

services.webdav−server−rs.configFile
Path to config file. If this option is set, it will override any configuration done in services.webdav−server−rs.settings.

Type: absolute path

Default:

```
"Config file generated from services.webdav−server−rs.settings"
```

Example:

```
"/etc/webdav−server.toml"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/webdav−server−rs.nix>

services.webdav−server−rs.debug
Enable debug mode.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/webdav−server−rs.nix>

services.webdav−server−rs.group
Group to run under when setuid is not enabled.

Type: string

Default:

```
"webdav"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/webdav−server−rs.nix>

services.webdav−server−rs.settings
Attrset that is converted and passed as config file. Available options can be found at **here**.

Type: TOML value

Default:

```
{ }
```

Example:

```
{
  server.listen = [ "0.0.0.0:4918" "[::]:4918" ];
  accounts = {
    auth−type = "htpasswd.default";
    acct−type = "unix";
  };
  htpasswd.default = {
    htpasswd = "/etc/htpasswd";
  };
  location = [
    {
      route = [ "/public/*path" ];
      directory = "/srv/public";
      handler = "filesystem";
      methods = [ "webdav−ro" ];
      autoindex = true;
      auth = "false";
    }
    {
      route = [ "/user/:user/*path" ];
      directory = "~";
      handler = "filesystem";
      methods = [ "webdav−rw" ];
      autoindex = true;
      auth = "true";
      setuid = true;
    }
  ];
}
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/webdav−server−rs.nix>

services.webdav−server−rs.user

User to run under when setuid is not enabled.

Type: string

Default:

```
"webdav"
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/webdav−server−rs.nix>

services.webhook.enable

Whether to enable **Webhook**, a server written in Go that allows you to create HTTP endpoints (hooks), which execute configured commands for any person or service that knows the URL .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/webhook.nix>

services.webhook.enableTemplates

Enable the generated hooks file to be parsed as a Go template. See **the documentation** for more information.

Type: boolean

Default:

```
hooksTemplated != {}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/webhook.nix>

services.webhook.package

The webhook package to use.

Type: package

Default:

```
pkgs.webhook
```

Declared by:

<nixpkgs/nixos/modules/services/networking/webhook.nix>

services.webhook.environment

Extra environment variables passed to webhook.

Type: attribute set of string

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/webhook.nix>

services.webhook.extraArgs

These are arguments passed to the webhook command in the systemd service. You can find the available arguments and options in the **documentation**.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-secure"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/webhook.nix>

services.webhook.group

Webhook will be run under this group.

If set, you must create this group yourself!

Type: string

Default:

```
"webhook"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/webhook.nix>

services.webhook.hooks

The actual configuration of which hooks will be served.

Read more on the **project homepage** and on the **hook definition** page. At least one hook needs to be configured.

Type: attribute set of (open submodule of (JSON value))

Default:

```
{ }
```

Example:

```
{
  echo = {
    execute-command = "echo";
    response-message = "Webhook is reachable!";
  };
  redeploy-webhook = {
    command-working-directory = "/var/webhook";
    execute-command = "/var/scripts/redeploy.sh";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/webhook.nix>

services.webhook.hooks.<name>.execute-command

The command that should be executed when the hook is triggered.

Type: string

Declared by:

<nixpkgs/nixos/modules/services/networking/webhook.nix>

services.webhook.hooks.<name>.id

The ID of your hook. This value is used to create the HTTP endpoint ('protocol://yourserver:port/prefix/${id}').

Type: string

Default:

```
"‹name›"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/webhook.nix>

services.webhook.hooksTemplated

Same as **hooks**, but these hooks are specified as literal strings instead of Nix values, and hence can include **template syntax** which might not be representable as JSON.

Template syntax requires the **enableTemplates** option to be set to 'true', which is done by default if this option is set.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  echo-template = ''
    {
      "id": "echo-template",
      "execute-command": "echo",
      "response-message": "{{ getenv "MESSAGE" }}"
    }
  '';
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/webhook.nix>

services.webhook.ip

The IP webhook should serve hooks on.

The default means it can be reached on any interface if 'openFirewall = true'.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/webhook.nix>

services.webhook.openFirewall

Open the configured port in the firewall for external ingress traffic. Preferably the Webhook server is instead put behind a reverse proxy.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/webhook.nix>

services.webhook.port

The port webhook should be reachable from.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9000
```

Declared by:

<nixpkgs/nixos/modules/services/networking/webhook.nix>

services.webhook.urlPrefix

The URL path prefix to use for served hooks (‘protocol://yourserver:port/${prefix}/hook−id’).

Type: string

Default:

```
"hooks"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/webhook.nix>

services.webhook.user

Webhook will be run under this user.

If set, you must create this user yourself!

Type: string

Default:

```
"webhook"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/webhook.nix>

services.webhook.verbose

Whether to show verbose output.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/webhook.nix>

services.weblate.enable

Whether to enable Weblate service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/weblate.nix>

services.weblate.package
The weblate package to use.

Type: package

Default:

```
pkgs.weblate
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/weblate.nix>

services.weblate.configurePostgresql
Whether to enable and configure a local PostgreSQL server by creating a user and database for weblate. The default ‘settings’ reference this database, if you disable this option you must provide a database URL in ‘extraConfig’.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/weblate.nix>

services.weblate.djangoSecretKeyFile
Location of the Django secret key.

This should be a path pointing to a file with secure permissions (not /nix/store).

Can be generated with ‘weblate−generate−secret−key’ which is available as the ‘weblate’ user.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/web−apps/weblate.nix>

services.weblate.extraConfig
Text to append to ‘settings.py’ Weblate configuration file.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/weblate.nix>

services.weblate.localDomain
The domain name serving your Weblate instance.

Type: string

Example:

```
"weblate.example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/weblate.nix>

services.weblate.smtp.enable
Whether to enable Weblate SMTP support.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/weblate.nix>

services.weblate.smtp.from
The from address being used in sent emails.

Type: string

Default:

```
"config.services.weblate.smtp.user"
```

Example:

```
"weblate@example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/weblate.nix>

services.weblate.smtp.host
SMTP host used when sending emails to users.

Type: string

Example:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/weblate.nix>

services.weblate.smtp.passwordFile
Location of a file containing the SMTP password.

This should be a path pointing to a file with secure permissions (not /nix/store).

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/weblate.nix>

services.weblate.smtp.port
SMTP port used when sending emails to users.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
587
```

Example:

```
25
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/weblate.nix>

services.weblate.smtp.user
SMTP login name.

Type: null or string

Default:

```
null
```

Example:

```
"weblate@example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/weblate.nix>

services.websurfx.enable
Whether to enable Websurfx, a metasearch engine.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/websurfx.nix>

services.websurfx.package
The websurfx package to use.

Type: package

Default:

```
pkgs.websurfx
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/websurfx.nix>

services.websurfx.openFirewall
Whether to enable Whether to open the used port in the firewall.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/websurfx.nix>

services.websurfx.settings

Configuration options for Websurfx, see **websurfx/config.lua** for supported values.

Type: open submodule of attribute set of lua value

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/websurfx.nix>

services.websurfx.settings.binding_ip

IP address on which the server should be launched

Type: string

Default:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/websurfx.nix>

services.websurfx.settings.port

Port on which the server should be launched

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
4567
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/websurfx.nix>

services.weechat.enable

Whether to enable weechat.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/weechat.nix>

services.weechat.package

The weechat package to use.

Type: package

Default:

```
pkgs.weechat
```

Declared by:

<nixpkgs/nixos/modules/services/misc/weechat.nix>

services.weechat.binary
Binary to execute.

Type: absolute path

Default:

```
"${cfg.package}/bin/weechat"
```

Example:

```
"${cfg.package}/bin/weechat-headless"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/weechat.nix>

services.weechat.headless
Allows specifying if weechat should run in TUI or headless mode.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/weechat.nix>

services.weechat.root
Weechat state directory.

Type: absolute path

Default:

```
"/var/lib/weechat"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/weechat.nix>

services.weechat.sessionName
Name of the ‘screen’ session for weechat.

Type: string

Default:

```
"weechat-screen"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/weechat.nix>

services.wg-access-server.enable
Whether to enable wg-access-server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wg-access-server.nix>

services.wg−access−server.package
The wg−access−server package to use.

Type: package

Default:

```
pkgs.wg−access−server
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wg−access−server.nix>

services.wg−access−server.secretsFile
yaml file containing all secrets. this needs to be in the same structure as the configuration.

This must to contain the admin password and wireguard private key. As well as the secrets for your auth backend.

Example:

```
adminPassword: <admin password>
wireguard:
  privateKey: <wireguard private key>
auth:
  oidc:
    clientSecret: <client secret>
```

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/networking/wg−access−server.nix>

services.wg−access−server.settings
See **https://www.freie−netze.org/wg−access−server/2−configuration/** for possible options

Type: open submodule of (YAML 1.1 value)

Declared by:
<nixpkgs/nixos/modules/services/networking/wg−access−server.nix>

services.wg−access−server.settings.dns.enabled
Enable/disable the embedded DNS proxy server. This is enabled by default and allows VPN clients to avoid DNS leaks by sending all DNS requests to wg−access−server itself.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wg−access−server.nix>

services.wg−access−server.settings.storage
A storage backend connection string. See **storage docs**

Type: string

Default:

```
"sqlite3://db.sqlite"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wg−access−server.nix>

services.wg−netmanager.enable
Whether to enable Wireguard network manager.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wg−netmanager.nix>

services.wgautomesh.enable
Whether to enable the wgautomesh daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wgautomesh.nix>

services.wgautomesh.enableGossipEncryption
Enable encryption of gossip traffic.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wgautomesh.nix>

services.wgautomesh.enablePersistence
Enable persistence of Wireguard peer info between restarts.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wgautomesh.nix>

services.wgautomesh.gossipSecretFile
File containing the gossip secret, a shared secret key to use for gossip encryption. Required if ‘enableGossipEncryption’ is set. This file may contain any arbitrary−length utf8 string. To generate a new gossip secret, use a command such as ‘openssl rand −base64 32’.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/networking/wgautomesh.nix>

services.wgautomesh.logLevel

wgautomesh log level.

Type: one of “trace”, “debug”, “info”, “warn”, “error”

Default:

```
"info"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/wgautomesh.nix>

services.wgautomesh.openFirewall

Automatically open gossip port in firewall (recommended).

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/wgautomesh.nix>

services.wgautomesh.settings

Configuration for wgautomesh.

Type: open submodule of (TOML value)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/wgautomesh.nix>

services.wgautomesh.settings.gossip_port

wgautomesh gossip port, this MUST be the same number on all nodes in the wgautomesh network.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
1666
```

Declared by:

<nixpkgs/nixos/modules/services/networking/wgautomesh.nix>

services.wgautomesh.settings.interface

Wireguard interface to manage (it is NOT created by wgautomesh, you should use another NixOS option to create it such as ‘networking.wireguard.interfaces.wg0 = {...};’).

Type: string

Example:

```
"wg0"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/wgautomesh.nix>

services.wgautomesh.settings.lan_discovery

Enable discovery of peers on the same LAN using UDP broadcast.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wgautomesh.nix>

services.wgautomesh.settings.peers
wgautomesh peer list.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wgautomesh.nix>

services.wgautomesh.settings.peers.*.address
Wireguard address of this peer (a single IP address, multiple addresses or address ranges are not supported).

Type: string

Example:

```
"10.0.0.42"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wgautomesh.nix>

services.wgautomesh.settings.peers.*.endpoint
Bootstrap endpoint for connecting to this Wireguard peer if no other address is known or none are working.

Type: null or string

Default:

```
null
```

Example:

```
"wgnode.mydomain.example:51820"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wgautomesh.nix>

services.wgautomesh.settings.peers.*.pubkey
Wireguard public key of this peer.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/wgautomesh.nix>

services.wgautomesh.settings.upnp_forward_external_port
Public port number to try to redirect to this machine's Wireguard daemon using UPnP IGD.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wgautomesh.nix>

services.whisparr.enable

Whether to enable Whisparr.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/servarr/whisparr.nix>

services.whisparr.package

The whisparr package to use.

Type: package

Default:

```
pkgs.whisparr
```

Declared by:

<nixpkgs/nixos/modules/services/misc/servarr/whisparr.nix>

services.whisparr.dataDir

The directory where Whisparr stores its data files.

Type: absolute path

Default:

```
"/var/lib/whisparr/.config/Whisparr"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/servarr/whisparr.nix>

services.whisparr.environmentFiles

Environment file to pass secret configuration values. Each line must follow the 'WHISPARR__SECTION__KEY=value' pattern. Please consult the documentation at the **wiki**.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/misc/servarr/whisparr.nix>

services.whisparr.group

Group under which Whisparr runs.

Type: string

Default:

```
"whisparr"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/servarr/whisparr.nix>

services.whisparr.openFirewall

Open ports in the firewall for the Whisparr web interface.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/servarr/whisparr.nix>

services.whisparr.settings

Attribute set of arbitrary config options. Please consult the documentation at the **wiki**.

WARNING: this configuration is stored in the world−readable Nix store! For secrets use **services.whisparr.environmentFiles**.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Example:

```
{
  update.mechanism = "internal";
  server = {
    urlbase = "localhost";
    port = 6969;
    bindaddress = "*";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/misc/servarr/whisparr.nix>

services.whisparr.settings.log.analyticsEnabled

Send Anonymous Usage Data

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/misc/servarr/whisparr.nix>

services.whisparr.settings.server.port

Port Number

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
6969
```

Declared by:

<nixpkgs/nixos/modules/services/misc/servarr/whisparr.nix>

services.whisparr.settings.update.automatically
Automatically download and install updates.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/whisparr.nix>

services.whisparr.settings.update.mechanism
which update mechanism to use

Type: null or one of “external”, “builtIn”, “script”

Default:

```
"external"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/whisparr.nix>

services.whisparr.user
User account under which Whisparr runs.

Type: string

Default:

```
"whisparr"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/servarr/whisparr.nix>

services.whitebophir.enable
Whether to enable whitebophir, an online collaborative whiteboard server (persistent state will be maintained under */var/lib/whitebophir*).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/whitebophir.nix>

services.whitebophir.package
The whitebophir package to use.

Type: package

Default:

```
pkgs.whitebophir
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/whitebophir.nix>

services.whitebophir.listenAddress

Address to listen on (use 0.0.0.0 to allow access from any address).

Type: string

Default:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/whitebophir.nix>

services.whitebophir.port

Port to bind to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5001
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/whitebophir.nix>

services.whoami.enable

Whether to enable whoami.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/whoami.nix>

services.whoami.package

The whoami package to use.

Type: package

Default:

```
pkgs.whoami
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/whoami.nix>

services.whoami.extraArgs

Extra command line arguments to pass to whoami. See **https://github.com/traefik/whoami#flags** for details.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/whoami.nix>

services.whoami.port

The port whoami should listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8000
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/whoami.nix>

services.whoogle−search.enable

Whether to enable Whoogle, a metasearch engine.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/whoogle−search.nix>

services.whoogle−search.extraEnv

Extra environment variables to pass to Whoogle, see https://github.com/benbusby/whoogle−search?tab=readme−ov−file#environment−variables

Type: attribute set of string

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/whoogle−search.nix>

services.whoogle−search.listenAddress

Address to listen on for the web interface.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/whoogle−search.nix>

services.whoogle−search.port

Port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5000
```

Declared by:

<nixpkgs/nixos/modules/services/networking/whoogle−search.nix>

services.wiki−js.enable
Whether to enable wiki−js.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wiki−js.nix>

services.wiki−js.environmentFile
Environment file to inject e.g. secrets into the configuration.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/root/wiki−js.env"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wiki−js.nix>

services.wiki−js.settings
Settings to configure ‘wiki−js’. This directly corresponds to **the upstream configuration options**.

Secrets can be injected via the environment by

- specifying **services.wiki-js.environmentFile** to contain secrets
- and setting sensitive values to ‘$(ENVIRONMENT_VAR)’ with this value defined in the environment−file.

Type: open submodule of (JSON value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wiki−js.nix>

services.wiki−js.settings.bindIP
IPs the service should listen to.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wiki−js.nix>

services.wiki−js.settings.db.db
Name of the database to use.

Type: string

Default:

```
"wiki"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wiki−js.nix>

services.wiki−js.settings.db.host
Hostname or socket−path to connect to.

Type: string

Example:

```
"/run/postgresql"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wiki−js.nix>

services.wiki−js.settings.db.type
Database driver to use for persistence. Please note that ‘sqlite’ is currently not supported as the build process for it is currently not implemented in ‘pkgs.wiki−js’ and it’s not recommended by upstream for production use.

Type: one of “postgres”, “mysql”, “mariadb”, “mssql”

Default:

```
"postgres"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wiki−js.nix>

services.wiki−js.settings.logLevel
Define how much detail is supposed to be logged at runtime.

Type: one of “error”, “warn”, “info”, “verbose”, “debug”, “silly”

Default:

```
"info"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wiki−js.nix>

services.wiki−js.settings.offline
Disable latest file updates and enable **sideloading**.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wiki−js.nix>

services.wiki−js.settings.port
TCP port the process should listen to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wiki−js.nix>

services.wiki−js.stateDirectoryName
Name of the directory in */var/lib*.

Type: string

Default:

```
"wiki−js"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wiki−js.nix>

services.windmill.enable
Whether to enable windmill service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/windmill.nix>

services.windmill.package
The windmill package to use.

Type: package

Default:

```
pkgs.windmill
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/windmill.nix>

services.windmill.baseUrl
The base url that windmill will be served on.

Type: string

Default:

```
"https://localhost:\$\{toString config.services.windmill.serverPo \
rt}";
```

Example:

```
"https://windmill.example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/windmill.nix>

services.windmill.database.createLocally
Whether to create a local database automatically.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/windmill.nix>

services.windmill.database.name
Database name.

Type: string

Default:

```
"windmill"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/windmill.nix>

services.windmill.database.url
Database url. Note that any secret here would be world−readable. Use ‘services.windmill.database.urlPath’ unstead to include secrets in the url.

Type: string

Default:

```
"postgres://\$\{config.services.windmill.database.name}?host=/var \
/run/postgresql";
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/windmill.nix>

services.windmill.database.urlPath
Path to the file containing the database url windmill should connect to. This is not deducted from database user and name as it might contain a secret

Type: null or absolute path

Default:

```
null
```

Example:

```
"config.age.secrets.DATABASE_URL_FILE.path"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/windmill.nix>

services.windmill.database.user
Database user.

Type: string

Default:

```
"windmill"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/windmill.nix>

services.windmill.logLevel
Log level

Type: one of “error”, “warn”, “info”, “debug”, “trace”

Default:

```
"info"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/windmill.nix>

services.windmill.lspPort
Port the windmill lsp listens on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3001
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/windmill.nix>

services.windmill.serverPort
Port the windmill server listens on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8001
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/windmill.nix>

services.wivrn.enable
Whether to enable WiVRn, an OpenXR streaming application.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/video/wivrn.nix>

services.wivrn.package
The wivrn package to use.

Type: package

Default:

```
pkgs.wivrn
```

Declared by:
<nixpkgs/nixos/modules/services/video/wivrn.nix>

services.wivrn.autoStart
Whether to enable starting the service by default.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/video/wivrn.nix>

services.wivrn.config.enable
Whether to enable configuration for WiVRn.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/video/wivrn.nix>

services.wivrn.config.json
Configuration for WiVRn. The attributes are serialized to JSON in config.json. The server will fallback to default values for any missing attributes.

Like upstream, the application option is a list including the application and it's flags. In the case of the NixOS module however, the first element of the list must be a package. The module will assert otherwise. The application can be set to a single package because it gets passed to lib.toList, though this will not allow for flags to be passed.

WiVRn has good default configurations and most options can be configured at runtime so it is recommended to leave this empty and try the defaults before attempting manual configuration.

See **https://github.com/WiVRn/WiVRn/blob/master/docs/configuration.md**

Type: JSON value

Default:

```
{ }
```

Example:

```
{
  # left eye, hardware; right eye, software; transparency, hardware
  encoder = [
    {
      encoder = "vulkan";
      codec = "h265";
    }
    {
      encoder = "x264";
      codec = "h264";
    }
    {
      encoder = "vulkan";
      codec = "h265";
    }
  ];
  application = [ pkgs.wayvr ];
}
```

Declared by:
<nixpkgs/nixos/modules/services/video/wivrn.nix>

services.wivrn.extraServerFlags
Flags to add to the wivrn service.

Type: list of string

Default:

```
[ ]
```

Example:

```
[ "--no-publish-service" ]
```

Declared by:
<nixpkgs/nixos/modules/services/video/wivrn.nix>

services.wivrn.highPriority
Whether to enable high priority capability for asynchronous reprojection.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/video/wivrn.nix>

services.wivrn.monadoEnvironment
Environment variables to be passed to the Monado environment.

Type: attribute set

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/video/wivrn.nix>

services.wivrn.openFirewall
Whether to enable the default ports in the firewall for the WiVRn server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/video/wivrn.nix>

services.wivrn.steam.enable
Whether to enable Steam support.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/video/wivrn.nix>

services.wivrn.steam.package
The steam package to use.

Type: package

Default:

```
pkgs.steam
```

Declared by:
<nixpkgs/nixos/modules/services/video/wivrn.nix>

services.wivrn.steam.importOXRRuntimes
Whether to enable Sets ‘PRESSURE_VESSEL_IMPORT_OPENXR_1_RUNTIMES’ system−wide to allow Steam to automatically discover the WiVRn server.

Note that you may have to logout for this variable to be visible .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/video/wivrn.nix>

services.wlock.enable
Whether to enable wlock, a Wayland sessionlocker using the ext−session−lock−v1 protocol.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/wlock.nix>

services.wlock.package
The wlock package to use.

Type: package

Default:

```
pkgs.wlock
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/wlock.nix>

services.woodpecker−agents.agents

woodpecker−agents configurations

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  podman = {
    environment = {
      WOODPECKER_SERVER = "localhost:9000";
      WOODPECKER_BACKEND = "docker";
      DOCKER_HOST = "unix:///run/podman/podman.sock";
    };
    extraGroups = [ "podman" ];
    environmentFile = [ "/run/secrets/woodpecker/agent−secret.txt" \
 ];
  };
  exec = {
    environment = {
      WOODPECKER_SERVER = "localhost:9000";
      WOODPECKER_BACKEND = "local";
    };
    environmentFile = [ "/run/secrets/woodpecker/agent−secret.txt" \
 ];
    path = [
      # Needed to clone repos
      git
      git−lfs
      woodpecker−plugin−git
      # Used by the runner as the default shell
      bash
      # Most likely to be used in pipeline definitions
      coreutils
    ];
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/continuous−integration/woodpecker/agents.nix>

services.woodpecker−agents.agents.<name>.enable

Whether to enable this Woodpecker−Agent. Agents execute tasks generated by a Server, every install will need one server and at least one agent.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/woodpecker/agents.nix>

services.woodpecker-agents.agents.<name>.package
The woodpecker-agent package to use.

Type: package

Default:

```
pkgs.woodpecker-agent
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/woodpecker/agents.nix>

services.woodpecker-agents.agents.<name>.environment
woodpecker-agent config environment variables, for other options read the **documentation**

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  WOODPECKER_SERVER = "localhost:9000";
  WOODPECKER_BACKEND = "docker";
  DOCKER_HOST = "unix:///run/podman/podman.sock";
}
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/woodpecker/agents.nix>

services.woodpecker-agents.agents.<name>.environmentFile
File to load environment variables from. This is helpful for specifying secrets. Example content of environmentFile:

```
WOODPECKER_AGENT_SECRET=your-shared-secret-goes-here
```

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[
  "/var/secrets/woodpecker-agent.env"
]
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/woodpecker/agents.nix>

services.woodpecker-agents.agents.<name>.extraGroups
Additional groups for the systemd service.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "podman"
```

```
]
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/woodpecker/agents.nix>

services.woodpecker-agents.agents.<name>.path
Additional packages that should be added to the agent's 'PATH'. Mostly useful for the 'local' backend.

Type: list of package

Default:

```
[ ]
```

Example:

```
[
  ""
]
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/woodpecker/agents.nix>

services.woodpecker-server.enable
Whether to enable the Woodpecker-Server, a CI/CD application for automatic builds, deployments and tests.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/woodpecker/server.nix>

services.woodpecker-server.package
The woodpecker-server package to use.

Type: package

Default:

```
pkgs.woodpecker-server
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/woodpecker/server.nix>

services.woodpecker-server.environment
woodpecker-server config environment variables, for other options read the **documentation**

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  WOODPECKER_HOST = "https://woodpecker.example.com";
  WOODPECKER_OPEN = "true";
  WOODPECKER_GITEA = "true";
  WOODPECKER_GITEA_CLIENT = "ffffffff-ffff-ffff-ffff-ffffffffff \
ff";
```

```
  WOODPECKER_GITEA_URL = "https://git.example.com";
}
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/woodpecker/server.nix>

services.woodpecker-server.environmentFile
File to load environment variables from. This is helpful for specifying secrets. Example content of environmentFile:

```
WOODPECKER_AGENT_SECRET=your-shared-secret-goes-here
WOODPECKER_GITEA_SECRET=gto_************************************
```

Type: (list of absolute path) or absolute path convertible to it

Default:

```
[ ]
```

Example:

```
[
  "/root/woodpecker-server.env"
]
```

Declared by:
<nixpkgs/nixos/modules/services/continuous-integration/woodpecker/server.nix>

services.wordpress.sites
Specification of one or more WordPress sites to serve

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/wordpress.nix>

services.wordpress.sites.<name>.package
The wordpress package to use.

Type: package

Default:

```
pkgs.wordpress
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/wordpress.nix>

services.wordpress.sites.<name>.database.createLocally
Create the database and database user locally.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/wordpress.nix>

services.wordpress.sites.<name>.database.host
Database host address.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wordpress.nix>

services.wordpress.sites.<name>.database.name
Database name.

Type: string

Default:

```
"wordpress"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wordpress.nix>

services.wordpress.sites.<name>.database.passwordFile
A file containing the password corresponding to **database.user**.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/wordpress−dbpassword"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wordpress.nix>

services.wordpress.sites.<name>.database.port
Database host port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3306
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wordpress.nix>

services.wordpress.sites.<name>.database.socket
Path to the unix socket file to use for authentication.

Type: null or absolute path

Default:

```
/run/mysqld/mysqld.sock
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wordpress.nix>

services.wordpress.sites.<name>.database.tablePrefix

The $table_prefix is the value placed in the front of your database tables. Change the value if you want to use something other than wp_ for your database prefix. Typically this is changed if you are installing multiple WordPress blogs in the same database.

See **https://codex.wordpress.org/Editing_wp−config.php#table_prefix**.

Type: string

Default:

```
"wp_"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/wordpress.nix>

services.wordpress.sites.<name>.database.user

Database user.

Type: string

Default:

```
"wordpress"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/wordpress.nix>

services.wordpress.sites.<name>.extraConfig

Any additional text to be appended to the wp−config.php configuration file. This is a PHP script. For configuration settings, see **https://codex.wordpress.org/Editing_wp−config.php**.

Note: Please pass structured settings via ‘services.wordpress.sites.‹name›.settings’ instead.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
@ini_set( 'log_errors', 'Off' );
@ini_set( 'display_errors', 'On' );
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/wordpress.nix>

services.wordpress.sites.<name>.finalPackage

WordPress package with bundled configuration, plugins and themes.

Type: package *(read only)*

Default:

```
pkg name config
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/wordpress.nix>

services.wordpress.sites.<name>.fontsDir

This directory is used to download fonts from a remote location, e.g. to host google fonts locally.

Type: absolute path

Default:

```
"/var/lib/wordpress/‹name›/fonts"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wordpress.nix>

services.wordpress.sites.<name>.languages
List of path(s) to respective language(s) which are copied from the ‘languages’ directory.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[
  # Let’s package the German language.
  # For other languages try to replace language and country code in \
 the download URL with your desired one.
  # Reference https://translate.wordpress.org for available transla \
tions and
  # codes.
  (pkgs.stdenv.mkDerivation {
    name = "language−de";
    src = pkgs.fetchurl {
      url = "https://de.wordpress.org/wordpress−${pkgs.wordpress.v \
ersion}−de_DE.tar.gz";
      # Name is required to invalidate the hash when wordpress is u \
pdated
      name = "wordpress−${pkgs.wordpress.version}−language−de";
      sha256 = "sha256−dlas0rXTSV4JAl8f/UyMbig57yURRYRhTMtJwF9g8h0 \
=";
    };
    installPhase = "mkdir −p $out; cp −r ./wp−content/languages/ \
* $out/";
  })
];
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wordpress.nix>

services.wordpress.sites.<name>.mergedConfig
Read only representation of the final configuration.

Type: unspecified value *(read only)*

Default:

```
{
  DISALLOW_FILE_EDIT = true;
  AUTOMATIC_UPDATER_DISABLED = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wordpress.nix>

services.wordpress.sites.<name>.plugins
Path(s) to respective plugin(s) which are copied from the ‘plugins’ directory.

Note
These plugins need to be packaged before use, see example.

Type: (attribute set of absolute path) or (list of absolute path) convertible to it

Default:

```
{ }
```

Example:

```
{
  inherit (pkgs.wordpressPackages.plugins) embed-pdf-viewer-plug \
in;
}
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/wordpress.nix>

services.wordpress.sites.<name>.poolConfig

Options for the WordPress PHP pool. See the documentation on 'php-fpm.conf' for details on configuration directives.

Type: attribute set of (string or signed integer or boolean)

Default:

```
{
  pm = "dynamic";
  "pm.max_children" = 32;
  "pm.max_requests" = 500;
  "pm.max_spare_servers" = 4;
  "pm.min_spare_servers" = 2;
  "pm.start_servers" = 2;
}
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/wordpress.nix>

services.wordpress.sites.<name>.settings

Structural Wordpress configuration. Refer to **https://developer.wordpress.org/apis/wp-config-php** for details and supported values.

Type: attribute set of anything

Default:

```
{ }
```

Example:

```
{
  WP_DEFAULT_THEME = "twentytwentytwo";
  WP_SITEURL = "https://example.org";
  WP_HOME = "https://example.org";
  WP_DEBUG = true;
  WP_DEBUG_DISPLAY = true;
  WPLANG = "de_DE";
  FORCE_SSL_ADMIN = true;
  AUTOMATIC_UPDATER_DISABLED = true;
}
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/wordpress.nix>

services.wordpress.sites.<name>.themes

Path(s) to respective theme(s) which are copied from the 'theme' directory.

Note

These themes need to be packaged before use, see example.

Type: (attribute set of absolute path) or (list of absolute path) convertible to it

Default:

```
{ inherit (pkgs.wordpressPackages.themes) twentytwentyfive; }
```

Example:

```
{
  inherit (pkgs.wordpressPackages.themes) responsive-theme;
}
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/wordpress.nix>

services.wordpress.sites.<name>.uploadsDir

This directory is used for uploads of pictures. The directory passed here is automatically created and permissions adjusted as required.

Type: absolute path

Default:

```
"/var/lib/wordpress/‹name›/uploads"
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/wordpress.nix>

services.wordpress.sites.<name>.virtualHost

Apache configuration can be done by adapting **services.httpd.virtualHosts**.

Type: submodule

Example:

```
{
  adminAddr = "webmaster@example.org";
  forceSSL = true;
  enableACME = true;
}
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/wordpress.nix>

services.wordpress.sites.<name>.virtualHost.enableACME

Whether to ask Let's Encrypt to sign a certificate for this vhost. Alternately, you can use an existing certificate through **useACMEHost**.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/wordpress.nix>

services.wordpress.sites.<name>.virtualHost.enableUserDir
Whether to enable serving *~/public_html* as ‘/~«username»’.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wordpress.nix>

services.wordpress.sites.<name>.virtualHost.acmeRoot
Directory for the acme challenge which is PUBLIC, don’t put certs or keys in here. Set to null to inherit from config.security.acme.

Type: null or string

Default:

```
"/var/lib/acme/acme−challenge"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wordpress.nix>

services.wordpress.sites.<name>.virtualHost.addSSL
Whether to enable HTTPS in addition to plain HTTP. This will set defaults for ‘listen’ to listen on all interfaces on the respective default ports (80, 443).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wordpress.nix>

services.wordpress.sites.<name>.virtualHost.adminAddr
E−mail address of the server administrator.

Type: null or string

Default:

```
null
```

Example:

```
"admin@example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wordpress.nix>

services.wordpress.sites.<name>.virtualHost.documentRoot
The path of Apache’s document root directory. If left undefined, an empty directory in the Nix store will be used as root.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/data/webserver/docs"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wordpress.nix>

services.wordpress.sites.<name>.virtualHost.extraConfig
These lines go to httpd.conf verbatim. They will go after directories and directory aliases defined by default.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
<Directory /home>
  Options FollowSymlinks
  AllowOverride All
</Directory>
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wordpress.nix>

services.wordpress.sites.<name>.virtualHost.forceSSL
Whether to add a separate nginx server block that permanently redirects (301) all plain HTTP traffic to HTTPS. This will set defaults for ‘listen’ to listen on all interfaces on the respective default ports (80, 443), where the non−SSL listens are used for the redirect vhosts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wordpress.nix>

services.wordpress.sites.<name>.virtualHost.globalRedirect
If set, all requests for this host are redirected permanently to the given URL.

Type: null or string

Default:

```
null
```

Example:

```
"http://newserver.example.org/"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wordpress.nix>

services.wordpress.sites.<name>.virtualHost.hostName
Canonical hostname for the server.

Type: string

Default:

```
"‹name›"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wordpress.nix>

services.wordpress.sites.<name>.virtualHost.http2

Whether to enable HTTP 2. HTTP/2 is supported in all multi−processing modules that come with httpd. *However, if you use the prefork mpm, there will be severe restrictions.* Refer to **https://httpd.apache.org/docs/2.4/howto/http2.html#mpm−config** for details.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/wordpress.nix>

services.wordpress.sites.<name>.virtualHost.listen

Listen addresses and ports for this virtual host.

Note

This option overrides ‘addSSL’, ‘forceSSL’ and ‘onlySSL’.

If you only want to set the addresses manually and not the ports, take a look at ‘listenAddresses’.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    ip = "195.154.1.1";
    port = 443;
    ssl = true;
  }
  {
    ip = "192.154.1.1";
    port = 80;
  }
  {
    ip = "*";
    port = 8080;
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/wordpress.nix>

services.wordpress.sites.<name>.virtualHost.listen.*.ip

IP to listen on. 0.0.0.0 for IPv4 only, * for all.

Type: string

Default:

```
"*"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/wordpress.nix>

services.wordpress.sites.<name>.virtualHost.listen.*.port

Port to listen on

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Declared by:

<nixpkgs/nixos/modules/services/web−apps/wordpress.nix>

services.wordpress.sites.<name>.virtualHost.listen.*.ssl

Whether to enable SSL (https) support.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/wordpress.nix>

services.wordpress.sites.<name>.virtualHost.listenAddresses

Listen addresses for this virtual host. Compared to ‘listen’ this only sets the addresses and the ports are chosen automatically.

Type: non−empty (list of string)

Default:

```
[
  "*"
]
```

Example:

```
[
  "127.0.0.1"
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/wordpress.nix>

services.wordpress.sites.<name>.virtualHost.locations

Declarative location config. See **https://httpd.apache.org/docs/2.4/mod/core.html#location** for details.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "/" = {
    proxyPass = "http://localhost:3000";
  };
  "/foo/bar.png" = {
    alias = "/home/eelco/some−file.png";
  };
};
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/wordpress.nix>

services.wordpress.sites.<name>.virtualHost.locations.<name>.alias

Alias directory for requests. See **https://httpd.apache.org/docs/2.4/mod/mod_alias.html#alias**.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/alias/directory"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/wordpress.nix>

services.wordpress.sites.<name>.virtualHost.locations.<name>.extraConfig

These lines go to the end of the location verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/wordpress.nix>

services.wordpress.sites.<name>.virtualHost.locations.<name>.index

Adds DirectoryIndex directive. See **https://httpd.apache.org/docs/2.4/mod/mod_dir.html#directoryindex**.

Type: null or string

Default:

```
null
```

Example:

```
"index.php index.html"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/wordpress.nix>

services.wordpress.sites.<name>.virtualHost.locations.<name>.priority

Order of this location block in relation to the others in the vhost. The semantics are the same as with ‘lib.mkOrder’. Smaller values have a greater priority.

Type: signed integer

Default:

```
1000
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/wordpress.nix>

services.wordpress.sites.<name>.virtualHost.locations.<name>.proxyPass

Sets up a simple reverse proxy as described by **https://httpd.apache.org/docs/2.4/howto/reverse_proxy.html#simple**.

Type: null or string

Default:

```
null
```

Example:

```
"http://www.example.org/"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/wordpress.nix>

services.wordpress.sites.<name>.virtualHost.logFormat
Log format for Apache's log files. Possible values are: combined, common, referer, agent.

Type: string

Default:

```
"common"
```

Example:

```
"combined"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/wordpress.nix>

services.wordpress.sites.<name>.virtualHost.onlySSL
Whether to enable HTTPS and reject plain HTTP connections. This will set defaults for 'listen' to listen on all interfaces on port 443.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/wordpress.nix>

services.wordpress.sites.<name>.virtualHost.robotsEntries
Specification of pages to be ignored by web crawlers. See **http://www.robotstxt.org/** for details.

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
"Disallow: /foo/"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/wordpress.nix>

services.wordpress.sites.<name>.virtualHost.servedDirs
This option provides a simple way to serve static directories.

Type: list of (attribute set)

Default:

```
[ ]
```

Example:

```
[
  {
    dir = "/home/eelco/Dev/nix-homepage";
    urlPath = "/nix";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wordpress.nix>

services.wordpress.sites.<name>.virtualHost.servedFiles
This option provides a simple way to serve individual, static files.

Note
This option has been deprecated and will be removed in a future version of NixOS. You can achieve the same result by making use of the ‘locations.<name>.alias’ option.

Type: list of (attribute set)

Default:

```
[ ]
```

Example:

```
[
  {
    file = "/home/eelco/some−file.png";
    urlPath = "/foo/bar.png";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wordpress.nix>

services.wordpress.sites.<name>.virtualHost.serverAliases
Additional names of virtual hosts served by this virtual host configuration.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
  "www.example.org:8080"
  "example.org"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wordpress.nix>

services.wordpress.sites.<name>.virtualHost.sslServerCert
Path to server SSL certificate.

Type: absolute path

Example:

```
"/var/host.cert"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wordpress.nix>

services.wordpress.sites.<name>.virtualHost.sslServerChain
Path to server SSL chain file.

Type: null or absolute path

Default:

`null`

Example:

`"/var/ca.pem"`

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wordpress.nix>

services.wordpress.sites.<name>.virtualHost.sslServerKey
Path to server SSL certificate key.

Type: absolute path

Example:

`"/var/host.key"`

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wordpress.nix>

services.wordpress.sites.<name>.virtualHost.useACMEHost
A host of an existing Let's Encrypt certificate to use. This is useful if you have many subdomains and want to avoid hitting the **rate limit**. Alternately, you can generate a certificate through **enableACME**. *Note that this option does not create any certificates, nor it does add subdomains to existing ones – you will need to create them manually using* **security.acme.certs**[2].

Type: null or string

Default:

`null`

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wordpress.nix>

2. see the **security.acme.certs** option

services.wordpress.webserver
Whether to use apache2 or nginx for virtual host management.

Further nginx configuration can be done by adapting 'services.nginx.virtualHosts.<name>'. See **services.nginx.virtualHosts** for further information.

Further apache2 configuration can be done by adapting 'services.httpd.virtualHosts.<name>'. See **services.httpd.virtualHosts** for further information.

Type: one of "httpd", "nginx", "caddy"

Default:

`"httpd"`

Declared by:
<nixpkgs/nixos/modules/services/web−apps/wordpress.nix>

services.workout−tracker.enable
Whether to enable workout tracking web application for personal use (or family, friends), geared towards running and other GPX−based activities.

Type: boolean

Default:

`false`

Example:

`true`

Declared by:
<nixpkgs/nixos/modules/services/misc/workout−tracker.nix>

services.workout−tracker.package
The workout−tracker package to use.

Type: package

Default:

```
pkgs.workout−tracker
```

Declared by:
<nixpkgs/nixos/modules/services/misc/workout−tracker.nix>

services.workout−tracker.address
Web interface address.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/workout−tracker.nix>

services.workout−tracker.environmentFile
An environment file as defined in **systemd.exec**(5).

Secrets like ‘WT_JWT_ENCRYPTION_KEY’ may be passed to the service without adding them to the world−readable Nix store.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/workout−tracker.env"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/workout−tracker.nix>

services.workout−tracker.port
Web interface port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/misc/workout−tracker.nix>

services.workout−tracker.settings
Extra config options.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
```

```
    WT_DATABASE_DRIVER = "sqlite";
    WT_DEBUG = "false";
    WT_DSN = "./database.db";
    WT_LOGGING = "true";
  }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/workout-tracker.nix>

services.writefreely.enable
Whether to enable Writefreely, build a digital writing community.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/writefreely.nix>

services.writefreely.package
The writefreely package to use.

Type: package

Default:

```
pkgs.writefreely
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/writefreely.nix>

services.writefreely.acme.enable
Whether or not to automatically fetch and configure SSL certs.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/writefreely.nix>

services.writefreely.admin.initialPasswordFile
Path to a file containing the initial password for the admin user. If not provided, the default password will be set to ‘nixos’.

Type: absolute path

Default:

```
"/nix/store/xxx-default-admin-pass"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/writefreely.nix>

services.writefreely.admin.name
The name of the first admin user.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/writefreely.nix>

services.writefreely.database.createLocally
When **services.writefreely.database.type** is set to ‘"mysql"’, this option will enable the MySQL service locally.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/writefreely.nix>

services.writefreely.database.host
The database host to connect to.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/writefreely.nix>

services.writefreely.database.migrate
Whether or not to automatically run migrations on startup.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/writefreely.nix>

services.writefreely.database.name
The name of the database to store data in.

Type: string

Default:

```
"writefreely"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/writefreely.nix>

services.writefreely.database.passwordFile
The file to load the database password from.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/writefreely.nix>

services.writefreely.database.port
The port used when connecting to the database host.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3306
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/writefreely.nix>

services.writefreely.database.tls
Whether or not TLS should be used for the database connection.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/writefreely.nix>

services.writefreely.database.type
The database provider to use.

Type: one of “sqlite3”, “mysql”

Default:

```
"sqlite3"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/writefreely.nix>

services.writefreely.database.user
The database user to connect as.

Type: null or string

Default:

```
"writefreely"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/writefreely.nix>

services.writefreely.group
Group under which Writefreely is ran.

Type: string

Default:

```
"writefreely"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/writefreely.nix>

services.writefreely.host
The public host name to serve.

Type: string

Default:

```
""
```

Example:

```
"example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/writefreely.nix>

services.writefreely.nginx.enable
Whether or not to enable and configure nginx as a proxy for WriteFreely.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/writefreely.nix>

services.writefreely.nginx.forceSSL
Whether or not to force the use of SSL.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/writefreely.nix>

services.writefreely.settings
Writefreely configuration (*config.ini*). Refer to **https://writefreely.org/docs/latest/admin/config** for details.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/writefreely.nix>

services.writefreely.settings.app.theme
The theme to apply.

Type: string

Default:

```
"write"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/writefreely.nix>

services.writefreely.settings.server.port
The port WriteFreely should listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
"80"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/writefreely.nix>

services.writefreely.stateDir
The state directory where keys and data are stored.

Type: absolute path

Default:

```
"/var/lib/writefreely"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/writefreely.nix>

services.writefreely.user
User under which Writefreely is ran.

Type: string

Default:

```
"writefreely"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/writefreely.nix>

services.wstunnel.enable
Whether to enable wstunnel.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wstunnel.nix>

services.wstunnel.clients
‘wstunnel’ clients to set up.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  wg-tunnel = {
    connectTo = "wss://wstunnel.server.com:8443";
    localToRemote = [
      "tcp://1212:google.com:443"
      "tcp://2:n.lan:4?proxy_protocol"
    ];
    remoteToLocal = [
      "socks5://[::1]:1212"
      "unix://wstunnel.sock:g.com:443"
    ];
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wstunnel.nix>

services.wstunnel.clients.<name>.enable
Whether to enable this ‘wstunnel’ instance.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wstunnel.nix>

services.wstunnel.clients.<name>.package
The wstunnel package to use.

Type: package

Default:

```
pkgs.wstunnel
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wstunnel.nix>

services.wstunnel.clients.<name>.addNetBind
Whether to enable Whether add CAP_NET_BIND_SERVICE to the tunnel service, this should be enabled if you want to bind port < 1024.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wstunnel.nix>

services.wstunnel.clients.<name>.autoStart
Whether to enable starting this wstunnel instance automatically.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wstunnel.nix>

services.wstunnel.clients.<name>.connectTo

Server address and port to connect to.

Type: string

Example:

```
"https://wstunnel.server.com:8443"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/wstunnel.nix>

services.wstunnel.clients.<name>.environmentFile

Environment file to be passed to the systemd service. Useful for passing secrets to the service to prevent them from being world−readable in the Nix store. Note however that the secrets are passed to 'wstunnel' through the command line, which makes them locally readable for all users of the system at runtime.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/lib/secrets/wstunnelSecrets"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/wstunnel.nix>

services.wstunnel.clients.<name>.settings

Command line arguments to pass to 'wstunnel'. Attributes of the form 'argName = true;' will be translated to '−−argName', and 'argName = \"value\"' to '−−argName value'.

Type: open submodule of attribute set of (boolean or signed integer or string or list of string)

Default:

```
{ }
```

Example:

```
{
  someNewOption = true;
  someNewOptionWithValue = "someValue";
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/wstunnel.nix>

services.wstunnel.clients.<name>.settings.http−headers

Custom headers to send in the upgrade request

Type: (list of string) or (attribute set of string) convertible to it

Default:

```
{ }
```

Example:

```
{
  X−Some−Header = "some−value";
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wstunnel.nix>

services.wstunnel.servers
'wstunnel' servers to set up.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  wg-tunnel = {
    listen = {
      enableHTTPS = true;
      host = "0.0.0.0";
      port = 8080;
    };
    settings = {
      restrict-to = [
        {
          host = "127.0.0.1";
          port = 51820;
        }
      ];
      tls-certificate = "/var/lib/secrets/fullchain.pem";
      tls-private-key = "/var/lib/secrets/key.pem";
    };
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wstunnel.nix>

services.wstunnel.servers.<name>.enable
Whether to enable this 'wstunnel' instance.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wstunnel.nix>

services.wstunnel.servers.<name>.package
The wstunnel package to use.

Type: package

Default:

```
pkgs.wstunnel
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wstunnel.nix>

services.wstunnel.servers.<name>.autoStart
Whether to enable starting this wstunnel instance automatically.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wstunnel.nix>

services.wstunnel.servers.<name>.environmentFile
Environment file to be passed to the systemd service. Useful for passing secrets to the service to prevent them from being world−readable in the Nix store. Note however that the secrets are passed to 'wstunnel' through the command line, which makes them locally readable for all users of the system at runtime.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/lib/secrets/wstunnelSecrets"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wstunnel.nix>

services.wstunnel.servers.<name>.listen
Address and port to listen on. Setting the port to a value below 1024 will also give the process the required 'CAP_NET_BIND_SERVICE' capability.

Type: submodule

Default:

```
{ config, ... }:
{
  host = "0.0.0.0";
  port = if config.enableHTTPS then 443 else 80;
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wstunnel.nix>

services.wstunnel.servers.<name>.listen.enableHTTPS
Use HTTPS for the tunnel server.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wstunnel.nix>

services.wstunnel.servers.<name>.listen.host

The hostname.

Type: string

Declared by:

<nixpkgs/nixos/modules/services/networking/wstunnel.nix>

services.wstunnel.servers.<name>.listen.port

The port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Declared by:

<nixpkgs/nixos/modules/services/networking/wstunnel.nix>

services.wstunnel.servers.<name>.settings

Command line arguments to pass to ‘wstunnel’. Attributes of the form ‘argName = true;’ will be translated to ‘−−argName’, and ‘argName = \"value\"’ to ‘−−argName value’.

Type: open submodule of attribute set of (boolean or signed integer or string or list of string)

Default:

```
{ }
```

Example:

```
{
  someNewOption = true;
  someNewOptionWithValue = "someValue";
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/wstunnel.nix>

services.wstunnel.servers.<name>.settings.restrict−to

Restrictions on the connections that the server will accept. For more flexibility, and the possibility to also allow reverse tunnels, look into the ‘restrict−config’ option that takes a path to a yaml file.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    host = "127.0.0.1";
    port = 51820;
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/wstunnel.nix>

services.wstunnel.servers.<name>.settings.restrict−to.*.host

The hostname.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/wstunnel.nix>

services.wstunnel.servers.<name>.settings.restrict−to.*.port
The port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Declared by:
<nixpkgs/nixos/modules/services/networking/wstunnel.nix>

services.wstunnel.servers.<name>.useACMEHost
Use a certificate generated by the NixOS ACME module for the given host. Note that this will not generate a new certificate − you will need to do so with 'security.acme.certs'.

Type: null or string

Default:

```
null
```

Example:

```
"example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/wstunnel.nix>

services.wyoming.faster−whisper.package
The wyoming−faster−whisper package to use.

Type: package

Default:

```
pkgs.wyoming−faster−whisper
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/wyoming/faster−whisper.nix>

services.wyoming.faster−whisper.servers
Attribute set of wyoming−faster−whisper instances to spawn.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/wyoming/faster−whisper.nix>

services.wyoming.faster−whisper.servers.<name>.enable
Whether to enable Wyoming faster−whisper server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/wyoming/faster−whisper.nix>

services.wyoming.faster−whisper.servers.<name>.beamSize

The number of beams to use in beam search.

The default (‘0’) will use 1 beam on ARM systems (assumes an ARM SBC) and 5 everywhere else.

Type: unsigned integer, meaning >=0

Default:

Example:

```
5
```

Declared by:

<nixpkgs/nixos/modules/services/home−automation/wyoming/faster−whisper.nix>

services.wyoming.faster−whisper.servers.<name>.device

Determines the platform faster−whisper is run on. CPU works everywhere, CUDA requires a compatible NVIDIA GPU.

Type: one of “cpu”, “cuda”, “auto”

Default:

```
"cpu"
```

Declared by:

<nixpkgs/nixos/modules/services/home−automation/wyoming/faster−whisper.nix>

services.wyoming.faster−whisper.servers.<name>.extraArgs

Extra arguments to pass to the server commandline.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/home−automation/wyoming/faster−whisper.nix>

services.wyoming.faster−whisper.servers.<name>.initialPrompt

Optional text to provide as a prompt for the first window. This can be used to provide, or “prompt−engineer” a context for transcription, e.g. custom vocabularies or proper nouns to make it more likely to predict those word correctly.

Only supported when the **sttLibrary** is ‘faster−whisper’.

Type: null or string

Default:

```
null
```

Example:

```
The following conversation takes place in the universe of
Wizard of Oz. Key terms include 'Yellow Brick Road' (the path
to follow), 'Emerald City' (the ultimate goal), and 'Ruby
Slippers' (the magical tools to succeed). Keep these in mind as
they guide the journey.
```

Declared by:

<nixpkgs/nixos/modules/services/home−automation/wyoming/faster−whisper.nix>

services.wyoming.faster−whisper.servers.<name>.language

The language used to to parse words and sentences.

Type: one of “auto”, “af”, “am”, “ar”, “as”, “az”, “ba”, “be”, “bg”, “bn”, “bo”, “br”, “bs”, “ca”, “cs”, “cy”, “da”, “de”, “el”, “en”, “es”, “et”, “eu”, “fa”, “fi”, “fo”, “fr”, “gl”, “gu”, “ha”, “haw”, “he”, “hi”, “hr”, “ht”, “hu”, “hy”, “id”, “is”, “it”, “ja”, “jw”, “ka”, “kk”, “km”, “kn”, “ko”, “la”, “lb”, “ln”, “lo”, “lt”, “lv”, “mg”, “mi”, “mk”, “ml”, “mn”, “mr”, “ms”, “mt”, “my”, “ne”, “nl”, “nn”, “no”, “oc”, “pa”, “pl”, “ps”, “pt”, “ro”, “ru”, “sa”, “sd”, “si”, “sk”, “sl”, “sn”, “so”, “sq”, “sr”, “su”, “sv”, “sw”, “ta”, “te”, “tg”, “th”, “tk”, “tl”, “tr”, “tt”, “uk”, “ur”, “uz”, “vi”, “yi”, “yue”, “yo”, “zh”

Example:

```
"en"
```

Declared by:

<nixpkgs/nixos/modules/services/home−automation/wyoming/faster−whisper.nix>

services.wyoming.faster−whisper.servers.<name>.model

Name of the voice model to use. Can also be a HuggingFace model ID or a path to a custom model directory.

When set to ‘auto’ picks a default based on the **language**,

With **sttLibrary** set to ‘transformers’, a HuggingFace transformers Whisper model ID from HuggingFace like ‘openai/whisper−tiny’ or ‘openai/whisper−base’ must be used.

Compressed models (‘int8’) are slightly less accurate, but smaller and faster. Distilled models are uncompressed and faster and smaller than non−distilled models.

Available models for faster−whisper:

- ‘tiny−int8’ (compressed)
- ‘tiny’
- ‘tiny.en’ (English only)
- ‘base−int8’ (compressed)
- ‘base’
- ‘base.en’ (English only)
- ‘small−int8’ (compressed)
- ‘distil−small.en’ (distilled, English only)
- ‘small’
- ‘small.en’ (English only)
- ‘medium−int8’ (compressed)
- ‘distil−medium.en’ (distilled, English only)
- ‘medium’
- ‘medium.en’ (English only)
- ‘large’
- ‘large−v1’
- ‘distil−large−v2’ (distilled, English only)
- ‘large−v2’
- ‘distil−large−v3’ (distilled, English only)
- ‘large−v3’
- ‘turbo’ (faster than large−v3)

Type: string

Default:

```
"auto"
```

Example:

```
"sherpa−onnx−nemo−parakeet−tdt−0.6b−v3−int8"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/wyoming/faster−whisper.nix>

services.wyoming.faster−whisper.servers.<name>.sttLibrary
Library used for speech−to−text process.

When set to ‘auto’ picks a default based on the **language**.

Type: one of “auto”, “faster−whisper”, “onnx−asr”, “sherpa”, “transformers”

Default:

```
"auto"
```

Example:

```
"sherpa"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/wyoming/faster−whisper.nix>

services.wyoming.faster−whisper.servers.<name>.uri
URI to bind the wyoming server to.

Type: string matching the pattern ^(tcp|unix)://.*$

Example:

```
"tcp://0.0.0.0:10300"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/wyoming/faster−whisper.nix>

services.wyoming.faster−whisper.servers.<name>.zeroconf.enable
Whether to enable zeroconf discovery.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/wyoming/faster−whisper.nix>

services.wyoming.faster−whisper.servers.<name>.zeroconf.name
The advertised name for zeroconf discovery.

Type: string

Default:

```
"faster−whisper−‹name›"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/wyoming/faster−whisper.nix>

services.wyoming.openwakeword.enable
Whether to enable Wyoming protocol server for openWakeWord wake word detection system.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/wyoming/openwakeword.nix>

services.wyoming.openwakeword.package
The wyoming−openwakeword package to use.

Type: package

Default:

```
pkgs.wyoming−openwakeword
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/wyoming/openwakeword.nix>

services.wyoming.openwakeword.customModelsDirectories
Paths to directories with custom wake word models (*.tflite model files).

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/wyoming/openwakeword.nix>

services.wyoming.openwakeword.extraArgs
Extra arguments to pass to the server commandline.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/wyoming/openwakeword.nix>

services.wyoming.openwakeword.refractorySeconds
Duration in seconds before a wake word can be detected again.

Type: signed integer or floating point number

Default:

```
2
```

Example:

```
1.5
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/wyoming/openwakeword.nix>

services.wyoming.openwakeword.threshold
Activation threshold (0.0−1.0), where higher means fewer activations.

See trigger level for the relationship between activations and wake word detections.

Type: integer or floating point number between 0.0 and 1.0 (both inclusive)

Default:

```
0.5
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/wyoming/openwakeword.nix>

services.wyoming.openwakeword.triggerLevel
Number of activations before a detection is registered.

A higher trigger level means fewer detections.

Type: unsigned integer, meaning >=0

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/wyoming/openwakeword.nix>

services.wyoming.openwakeword.uri
URI to bind the wyoming server to.

Type: string matching the pattern ^(tcp|unix)://.*$

Default:

```
"tcp://0.0.0.0:10400"
```

Example:

```
"tcp://192.0.2.1:5000"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/wyoming/openwakeword.nix>

services.wyoming.piper.package
The wyoming−piper package to use.

Type: package

Default:

```
pkgs.wyoming−piper
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/wyoming/piper.nix>

services.wyoming.piper.servers
Attribute set of wyoming−piper instances to spawn.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/wyoming/piper.nix>

services.wyoming.piper.servers.<name>.enable
Whether to enable Wyoming Piper server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/wyoming/piper.nix>

services.wyoming.piper.servers.<name>.extraArgs
Extra arguments to pass to the server commandline.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/wyoming/piper.nix>

services.wyoming.piper.servers.<name>.lengthScale
Phoneme length value.

Type: floating point number

Default:

```
1.0
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/wyoming/piper.nix>

services.wyoming.piper.servers.<name>.noiseScale
Generator noise value.

Type: floating point number

Default:

```
0.667
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/wyoming/piper.nix>

services.wyoming.piper.servers.<name>.noiseWidth
Phoneme width noise value.

Type: floating point number

Default:

```
0.333
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/wyoming/piper.nix>

services.wyoming.piper.servers.<name>.speaker
ID of a specific speaker in a multi−speaker model.

Type: unsigned integer, meaning >=0

Default:

Declared by:
<nixpkgs/nixos/modules/services/home−automation/wyoming/piper.nix>

services.wyoming.piper.servers.<name>.uri
URI to bind the wyoming server to.

Type: string matching the pattern ^(tcp|unix)://.*$

Example:

```
"tcp://0.0.0.0:10200"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/wyoming/piper.nix>

services.wyoming.piper.servers.<name>.useCUDA
Whether to accelerate the underlying onnxruntime library with CUDA.

Type: boolean

Default:

```
pkgs.config.cudaSupport
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/wyoming/piper.nix>

services.wyoming.piper.servers.<name>.voice
Name of the voice model to use. See the following website for samples: https://rhasspy.github.io/piper−samples/

Type: string

Example:

```
"en−us−ryan−medium"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/wyoming/piper.nix>

services.wyoming.piper.servers.<name>.zeroconf.enable
Whether to enable zeroconf discovery.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/wyoming/piper.nix>

services.wyoming.piper.servers.<name>.zeroconf.name
The advertised name for zeroconf discovery.

Type: string

Default:

```
"piper−‹name›"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/wyoming/piper.nix>

services.wyoming.satellite.enable
Whether to enable Wyoming Satellite.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/wyoming/satellite.nix>

services.wyoming.satellite.package
The wyoming−satellite package to use.

Type: package

Default:

```
pkgs.wyoming-satellite
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/wyoming/satellite.nix>

services.wyoming.satellite.area
Area to the satellite.

Type: null or string

Default:

```
null
```

Example:

```
"Kitchen"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/wyoming/satellite.nix>

services.wyoming.satellite.extraArgs
Extra arguments to pass to the executable.

Check ‘wyoming−satellite −−help’ for possible options.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/wyoming/satellite.nix>

services.wyoming.satellite.group
Group to run wyoming−satellite under.

Type: string

Default:

```
"users"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/wyoming/satellite.nix>

services.wyoming.satellite.microphone.autoGain
Automatic gain control in dbFS, with 31 being the loudest value. Set to 0 to disable.

Type: integer between 0 and 31 (both inclusive)

Default:

```
5
```

Example:

```
15
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/wyoming/satellite.nix>

services.wyoming.satellite.microphone.command
Program to run for audio input.

Type: string

Default:

```
"arecord −r 16000 −c 1 −f S16_LE −t raw"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/wyoming/satellite.nix>

services.wyoming.satellite.microphone.noiseSuppression
Noise suppression level with 4 being the maximum suppression, which may cause audio distortion. Set to 0 to disable.

Type: integer between 0 and 4 (both inclusive)

Default:

```
2
```

Example:

```
3
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/wyoming/satellite.nix>

services.wyoming.satellite.name
Name of the satellite.

Type: string

Default:

```
config.networking.hostName
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/wyoming/satellite.nix>

services.wyoming.satellite.sound.command
Program to run for sound output.

Type: null or string

Default:

```
"aplay −r 22050 −c 1 −f S16_LE −t raw"
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/wyoming/satellite.nix>

services.wyoming.satellite.sounds.awake
Path to audio file in WAV format to play when wake word is detected.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/home−automation/wyoming/satellite.nix>

services.wyoming.satellite.sounds.done

Path to audio file in WAV format to play when voice command recording has ended.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/home−automation/wyoming/satellite.nix>

services.wyoming.satellite.uri

URI where wyoming−satellite will bind its socket.

Type: string

Default:

```
"tcp://0.0.0.0:10700"
```

Declared by:

<nixpkgs/nixos/modules/services/home−automation/wyoming/satellite.nix>

services.wyoming.satellite.user

User to run wyoming−satellite under.

Type: string

Example:

```
"alice"
```

Declared by:

<nixpkgs/nixos/modules/services/home−automation/wyoming/satellite.nix>

services.wyoming.satellite.vad.enable

Whether to enable voice activity detection.

Enabling will result in only streaming audio, when speech gets detected.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/home−automation/wyoming/satellite.nix>

services.x2goserver.enable

Enables the x2goserver module. NOTE: This will create a good amount of symlinks in ‘/usr/local/bin’

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/x2goserver.nix>

services.x2goserver.package

The x2goserver package to use.

Type: package

Default:

```
pkgs.x2goserver
```

Declared by:

<nixpkgs/nixos/modules/services/networking/x2goserver.nix>

services.x2goserver.nxagentDefaultOptions

List of default nx agent options.

Type: list of string

Default:

```
[
  "-extension GLX"
  "-nolisten tcp"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/x2goserver.nix>

services.x2goserver.settings

x2goserver.conf ini configuration as nix attributes. See ‘x2goserver.conf(5)’ for details

Type: attribute set of (attribute set)

Default:

```
{ }
```

Example:

```
{
  superenicer = {
    "enable" = "yes";
    "idle-nice-level" = 19;
  };
  telekinesis = { "enable" = "no"; };
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/x2goserver.nix>

services.x2goserver.superenicer.enable

Enables the SupeReNicer code in x2gocleansessions, this will renice suspended sessions to nice level 19 and renice them to level 0 if the session becomes marked as running again

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/x2goserver.nix>

services.xandikos.enable

Whether to enable Xandikos CalDAV and CardDAV server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/xandikos.nix>

services.xandikos.package

The xandikos package to use.

Type: package

Default:

```
pkgs.xandikos
```

Declared by:

<nixpkgs/nixos/modules/services/networking/xandikos.nix>

services.xandikos.address

The IP address on which Xandikos will listen. By default listens on localhost.

Type: string

Default:

```
"localhost"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/xandikos.nix>

services.xandikos.extraOptions

Extra command line arguments to pass to xandikos.

Type: list of string

Default:

```
[ ]
```

Example:

```
[ "--autocreate"
  "--defaults"
  "--current-user-principal user"
  "--dump-dav-xml"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/xandikos.nix>

services.xandikos.nginx

Configuration for nginx reverse proxy.

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/xandikos.nix>

services.xandikos.nginx.enable
Configure the nginx reverse proxy settings.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/xandikos.nix>

services.xandikos.nginx.hostName
The hostname use to setup the virtualhost configuration

Type: string

Declared by:
<nixpkgs/nixos/modules/services/networking/xandikos.nix>

services.xandikos.port
The port of the Xandikos web application

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/networking/xandikos.nix>

services.xandikos.routePrefix
Path to Xandikos. Useful when Xandikos is behind a reverse proxy.

Type: string

Default:

```
"/"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/xandikos.nix>

services.xbanish.enable
Whether to enable xbanish.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/xbanish.nix>

services.xbanish.arguments
Arguments to pass to xbanish command

Type: string

Default:

```
""
```

Example:

```
"-d -i shift"
```

Declared by:
<nixpkgs/nixos/modules/services/x11/xbanish.nix>

services.xe-guest-utilities.enable
Whether to enable the XenServer guest utilities daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/xe-guest-utilities.nix>

services.xfs.enable
Whether to enable the X Font Server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/x11/xfs.nix>

services.xinetd.enable
Whether to enable the xinetd super-server daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/xinetd.nix>

services.xinetd.extraDefaults
Additional configuration lines added to the default section of xinetd's configuration.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/xinetd.nix>

services.xinetd.services

A list of services provided by xinetd.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/xinetd.nix>

services.xinetd.services.*.extraConfig

Extra configuration−lines added to the section of the service.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/networking/xinetd.nix>

services.xinetd.services.*.flags

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/networking/xinetd.nix>

services.xinetd.services.*.name

Name of the service.

Type: string

Example:

```
"login"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/xinetd.nix>

services.xinetd.services.*.port

Port number of the service.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

Example:

```
123
```

Declared by:

<nixpkgs/nixos/modules/services/networking/xinetd.nix>

services.xinetd.services.*.protocol

Protocol of the service. Usually ‘tcp’ or ‘udp’.

Type: string

Default:

```
"tcp"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/xinetd.nix>

services.xinetd.services.*.server
Path of the program that implements the service.

Type: string

Example:

```
"/foo/bin/ftpd"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/xinetd.nix>

services.xinetd.services.*.serverArgs
Command−line arguments for the server program.

Type: strings concatenated with " "

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/xinetd.nix>

services.xinetd.services.*.unlisted
Whether this server is listed in */etc/services*. If so, the port number can be omitted.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/xinetd.nix>

services.xinetd.services.*.user
User account for the service

Type: string

Default:

```
"nobody"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/xinetd.nix>

services.xl2tpd.enable
Whether to enable xl2tpd, the Layer 2 Tunnelling Protocol Daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/xl2tpd.nix>

services.xl2tpd.clientIpRange

The range from which client IPs are drawn.

Type: string

Default:

```
"10.125.125.2-11"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/xl2tpd.nix>

services.xl2tpd.extraPppdOptions

Adds extra lines to the pppd options file.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
ms-dns 8.8.8.8
ms-dns 8.8.4.4
```

Declared by:

<nixpkgs/nixos/modules/services/networking/xl2tpd.nix>

services.xl2tpd.extraXl2tpOptions

Adds extra lines to the xl2tpd configuration file.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/networking/xl2tpd.nix>

services.xl2tpd.serverIp

The server-side IP address.

Type: string

Default:

```
"10.125.125.1"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/xl2tpd.nix>

services.xmrig.enable

Whether to enable XMRig Mining Software.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/xmrig.nix>

services.xmrig.package

The xmrig package to use.

Type: package

Default:

```
pkgs.xmrig
```

Example:

```
xmrig-mo
```

Declared by:

<nixpkgs/nixos/modules/services/misc/xmrig.nix>

services.xmrig.settings

XMRig configuration. Refer to **https://xmrig.com/docs/miner/config** for details on supported values.

Type: JSON value

Default:

```
{ }
```

Example:

```
{
  autosave = true;
  cpu = true;
  opencl = false;
  cuda = false;
  pools = [
    {
      url = "pool.supportxmr.com:443";
      user = "your-wallet";
      keepalive = true;
      tls = true;
    }
  ]
}
```

Declared by:

<nixpkgs/nixos/modules/services/misc/xmrig.nix>

services.xonotic.enable

Whether to enable Xonotic dedicated server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/games/xonotic.nix>

services.xonotic.package
The xonotic−dedicated package to use.

Type: package

Default:

```
pkgs.xonotic-dedicated
```

Declared by:
<nixpkgs/nixos/modules/services/games/xonotic.nix>

services.xonotic.appendConfig
Literal text to insert at the end of ‘server.cfg’.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/games/xonotic.nix>

services.xonotic.dataDir
Data directory.

Type: absolute path *(read only)*

Default:

```
"/var/lib/xonotic"
```

Declared by:
<nixpkgs/nixos/modules/services/games/xonotic.nix>

services.xonotic.openFirewall
Open the firewall for TCP and UDP on the specified port.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/games/xonotic.nix>

services.xonotic.prependConfig
Literal text to insert at the start of ‘server.cfg’.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/games/xonotic.nix>

services.xonotic.settings
Generates the ‘server.cfg’ file. Refer to **upstream’s example** for details.

Type: open submodule of attribute set of ((optionally newline−terminated) single−line string or signed integer or floating point number or non−empty (list of ((optionally newline−terminated) single−line string or signed integer or floating point number)))

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/games/xonotic.nix>

services.xonotic.settings.hostname
The name that will appear in the server list. ‘$g_xonoticversion’ gets replaced with the current version.

Type: (optionally newline−terminated) single−line string

Default:

```
"Xonotic $g_xonoticversion Server"
```

Declared by:
<nixpkgs/nixos/modules/services/games/xonotic.nix>

services.xonotic.settings.maxplayers
Number of player slots on the server, including spectators.

Type: signed integer

Default:

```
16
```

Declared by:
<nixpkgs/nixos/modules/services/games/xonotic.nix>

services.xonotic.settings.net_address
The address Xonotic will listen on.

Type: (optionally newline−terminated) single−line string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/games/xonotic.nix>

services.xonotic.settings.port
The port Xonotic will listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
26000
```

Declared by:
<nixpkgs/nixos/modules/services/games/xonotic.nix>

services.xonotic.settings.sv_motd
Text displayed when players join the server.

Type: (optionally newline−terminated) single−line string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/games/xonotic.nix>

services.xonotic.settings.sv_public
Controls whether the server will be publicly listed.

Type: signed integer

Default:

Example:

```
[
  -1
  1
]
```

Declared by:
<nixpkgs/nixos/modules/services/games/xonotic.nix>

services.xonotic.settings.sv_termsofservice_url
URL for the Terms of Service for playing on your server.

Type: (optionally newline−terminated) single−line string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/games/xonotic.nix>

services.xray.enable
Whether to run xray server.

Either ‘settingsFile’ or ‘settings’ must be specified.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/xray.nix>

services.xray.package
The xray package to use.

Type: package

Default:

```
pkgs.xray
```

Declared by:
<nixpkgs/nixos/modules/services/networking/xray.nix>

services.xray.settings
The configuration object.

Either ‘settingsFile’ or ‘settings’ must be specified.

See **https://www.v2fly.org/en_US/config/overview.html**.

Type: null or (attribute set of unspecified value)

Default:

```
null
```

Example:

```
{
  inbounds = [
    {
      listen = "127.0.0.1";
      port = 1080;
      protocol = "http";
```

```
        }
      ];
      outbounds = [
        {
          protocol = "freedom";
        }
      ];
    }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/xray.nix>

services.xray.settingsFile
The absolute path to the configuration file.

Either 'settingsFile' or 'settings' must be specified.

See **https://www.v2fly.org/en_US/config/overview.html**.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/etc/xray/config.json"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/xray.nix>

services.xrdp.enable
Whether to enable xrdp, the Remote Desktop Protocol server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/xrdp.nix>

services.xrdp.package
The xrdp package to use.

Type: package

Default:

```
pkgs.xrdp
```

Declared by:
<nixpkgs/nixos/modules/services/networking/xrdp.nix>

services.xrdp.audio.enable
Whether to enable audio support for xrdp sessions. So far it only works with PulseAudio sessions on the server side. No PipeWire support yet.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/xrdp.nix>

services.xrdp.audio.package
The pulseaudio−module−xrdp package to use.

Type: package

Default:

```
pkgs.pulseaudio-module-xrdp
```

Declared by:
<nixpkgs/nixos/modules/services/networking/xrdp.nix>

services.xrdp.defaultWindowManager
The script to run when user log in, usually a window manager, e.g. “icewm”, “xfce4−session” This is per−user overridable, if file ~/startwm.sh exists it will be used instead.

Type: string

Default:

```
"xterm"
```

Example:

```
"xfce4-session"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/xrdp.nix>

services.xrdp.extraConfDirCommands
Extra commands to run on the default confDir derivation.

Type: string

Default:

```
""
```

Example:

```
substituteInPlace $out/sesman.ini \
  --replace-fail LogLevel=INFO LogLevel=DEBUG \
  --replace-fail LogFile=/dev/null LogFile=/var/log/xrdp.log
```

Declared by:
<nixpkgs/nixos/modules/services/networking/xrdp.nix>

services.xrdp.openFirewall
Whether to open the firewall for the specified RDP port.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/xrdp.nix>

services.xrdp.port

Specifies on which port the xrdp daemon listens.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3389
```

Declared by:

<nixpkgs/nixos/modules/services/networking/xrdp.nix>

services.xrdp.sslCert

ssl certificate path A self−signed certificate will be generated if file not exists.

Type: string

Default:

```
"/etc/xrdp/cert.pem"
```

Example:

```
"/path/to/your/cert.pem"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/xrdp.nix>

services.xrdp.sslKey

ssl private key path A self−signed certificate will be generated if file not exists.

Type: string

Default:

```
"/etc/xrdp/key.pem"
```

Example:

```
"/path/to/your/key.pem"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/xrdp.nix>

services.xscreensaver.enable

Whether to enable xscreensaver user service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/x11/xscreensaver.nix>

services.xscreensaver.package

The xscreensaver package to use.

Type: package

Default:

```
pkgs.xscreensaver
```

Declared by:
<nixpkgs/nixos/modules/services/x11/xscreensaver.nix>

services.xscreensaver.hooks
An attrset of events and commands to run upon each event. Refer to **https://www.jwz.org/xscreensaver/man3.html** for supported events.

Type: attribute set of strings concatenated with “\n”

Default:

```
{ }
```

Example:

```
# Reconfigure autorandr on screen wake up
{
  "RUN" = "${lib.getExe pkgs.autorandr} --change --ignore-lid" \
;
};
```

Declared by:
<nixpkgs/nixos/modules/services/x11/xscreensaver.nix>

services.xserver.enable
Whether to enable the X server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.enableCtrlAltBackspace
Whether to enable the DontZap option, which binds Ctrl+Alt+Backspace to forcefully kill X. This can lead to data loss and is disabled by default.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.enableTCP
Whether to allow the X server to accept TCP connections.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.enableTearFree
Whether to enable the TearFree option in the first Device section.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.autoRepeatDelay
Sets the autorepeat delay (length of time in milliseconds that a key must be depressed before autorepeat starts).

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.autoRepeatInterval
Sets the autorepeat interval (length of time in milliseconds that should elapse between autorepeat−generated keystrokes).

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.autorun
Whether to start the X server automatically.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.cmt.enable
Enable chrome multitouch input (cmt). Touchpad drivers that are configured for chromebooks.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/x11/hardware/cmt.nix>

services.xserver.cmt.models
Which models to enable cmt for. Enter the Code Name for your Chromebook. Code Name can be found at **https://www.chromium.org/chromium−os/developer−information−for−chrome−os−devices**.

Type: one of “atlas”, “banjo”, “candy”, “caroline”, “cave”, “celes”, “clapper”, “cyan”, “daisy”, “elan”, “elm”, “enguarde”, “eve”, “expresso”, “falco”, “gandof”, “glimmer”, “gnawty”, “heli”, “kevin”, “kip”, “leon”, “lulu”, “orco”, “pbody”, “peppy”, “pi”, “pit”, “puppy”, “quawks”, “rambi”, “samus”, “snappy”, “spring”, “squawks”, “swanky”, “winky”, “wolf”, “auron_paine”, “auron_yuna”, “daisy_skate”, “nyan_big”, “nyan_blaze”, “veyron_jaq”, “veyron_jerry”, “veyron_mighty”, “veyron_minnie”, “veyron_speedy”

Example:

```
"banjo"
```

Declared by:
<nixpkgs/nixos/modules/services/x11/hardware/cmt.nix>

services.xserver.config
The contents of the configuration file of the X server (*xorg.conf*).

This option is set by multiple modules, and the configs are concatenated together.

In Xorg configs the last config entries take precedence, so you may want to use ‘lib.mkAfter’ on this option to override NixOS’s defaults.

Type: strings concatenated with “\n”

Declared by:
<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.defaultDepth
Default colour depth.

Type: signed integer

Default:

Example:

```
8
```

Declared by:
<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.desktopManager.cde.enable
Whether to enable Common Desktop Environment.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop−managers/cde.nix>

services.xserver.desktopManager.cde.extraPackages
Extra packages to be installed system wide.

Type: list of package

Default:

```
with pkgs; [
  xclock bitmap xlsfonts xfd xrefresh xload xwininfo xdpyinfo xwd x \
wud
]
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop−managers/cde.nix>

services.xserver.desktopManager.cinnamon.enable
Whether to enable the cinnamon desktop manager.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop−managers/cinnamon.nix>

services.xserver.desktopManager.cinnamon.extraGSettingsOverridePackages
List of packages for which gsettings are overridden.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop−managers/cinnamon.nix>

services.xserver.desktopManager.cinnamon.extraGSettingsOverrides
Additional gsettings overrides.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop−managers/cinnamon.nix>

services.xserver.desktopManager.cinnamon.sessionPath
Additional list of packages to be added to the session search path. Useful for GSettings−conditional autostart.

Note that this should be a last resort; patching the package is preferred (see GPaste).

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.gpaste ]
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop−managers/cinnamon.nix>

services.xserver.desktopManager.enlightenment.enable
Enable the Enlightenment desktop environment.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop−managers/enlightenment.nix>

services.xserver.desktopManager.kodi.enable
Enable the kodi multimedia center.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop−managers/kodi.nix>

services.xserver.desktopManager.kodi.package
The kodi package to use.

Type: package

Default:

```
pkgs.kodi
```

Example:

```
kodi.withPackages (p: with p; [ jellyfin pvr−iptvsimple vfs−sftp  \
])
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop−managers/kodi.nix>

services.xserver.desktopManager.lumina.enable
Enable the Lumina desktop manager

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop−managers/lumina.nix>

services.xserver.desktopManager.lxqt.enable
Whether to enable the LXQt desktop manager.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop−managers/lxqt.nix>

services.xserver.desktopManager.lxqt.extraPackages
Extra packages to be installed system wide.

Type: list of package

Default:

```
[ ]
```

Example:

```
with pkgs; [ xscreensaver ]
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop−managers/lxqt.nix>

services.xserver.desktopManager.lxqt.iconThemePackage
The package that provides a default icon theme.

Type: package

Default:

```
pkgs.kdePackages.breeze−icons
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop−managers/lxqt.nix>

services.xserver.desktopManager.mate.enable
Enable the MATE desktop environment

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop−managers/mate.nix>

services.xserver.desktopManager.mate.enableWaylandSession
Whether to enable MATE Wayland session.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop−managers/mate.nix>

services.xserver.desktopManager.mate.debug
Whether to enable mate−session debug messages.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop−managers/mate.nix>

services.xserver.desktopManager.mate.extraCajaExtensions
Extra extensions to add to caja.

Type: list of package

Default:

```
[ ]
```

Example:

```
with pkgs; [ caja-extensions ]
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop-managers/mate.nix>

services.xserver.desktopManager.mate.extraPanelApplets
Extra applets to add to mate-panel.

Type: list of package

Default:

```
[ ]
```

Example:

```
with pkgs; [ mate-applets ]
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop-managers/mate.nix>

services.xserver.desktopManager.phosh.enable
Enable the Phone Shell.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop-managers/phosh.nix>

services.xserver.desktopManager.phosh.package
The phosh package to use.

Type: package

Default:

```
pkgs.phosh
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop-managers/phosh.nix>

services.xserver.desktopManager.phosh.group
The group to run the Phosh service.

Type: string

Example:

```
"users"
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop-managers/phosh.nix>

services.xserver.desktopManager.phosh.phocConfig
Configurations for the Phoc compositor.

Type: strings concatenated with “\n” or absolute path or (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop-managers/phosh.nix>

services.xserver.desktopManager.phosh.user
The user to run the Phosh service.

Type: string

Example:

```
"alice"
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop-managers/phosh.nix>

services.xserver.desktopManager.retroarch.enable
Whether to enable RetroArch.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop-managers/retroarch.nix>

services.xserver.desktopManager.retroarch.package
The retroarch package to use.

Type: package

Default:

```
pkgs.retroarch
```

Example:

```
retroarch-full
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop-managers/retroarch.nix>

services.xserver.desktopManager.retroarch.extraArgs
Extra arguments to pass to RetroArch.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--verbose"
  "--host"
]
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop-managers/retroarch.nix>

services.xserver.desktopManager.runXdgAutostartIfNone
Whether to run XDG autostart files for sessions without a desktop manager (with only a window manager), these sessions usually don't handle XDG autostart files by default.

Some services like **i18n.inputMethod** and **service.earlyoom** use XDG autostart files to start. If this option is not set to 'true' and you are using a window manager without a desktop manager, you need to

manually start them or running ‘dex’ somewhere.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop−managers/none.nix>

services.xserver.desktopManager.surf−display.enable
Whether to enable surf−display as a kiosk browser session.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop−managers/surf−display.nix>

services.xserver.desktopManager.surf−display.defaultWwwUri
Default URI to display.

Type: string

Default:

```
"${pkgs.surf−display}/share/surf−display/empty−page.html"
```

Example:

```
"https://www.example.com/"
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop−managers/surf−display.nix>

services.xserver.desktopManager.surf−display.extraConfig
Extra configuration options to append to ‘/etc/default/surf−display’.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
  # Enforce fixed resolution for all displays (default: not set):
  DEFAULT_RESOLUTION="1920x1080"

  # HTTP proxy URL, if needed (default: not set).
  HTTP_PROXY_URL="http://webcache:3128"

  # Configure individual display screens with host specific paramet \
ers:
  DISPLAYS['display−host−0']="www_uri=https://www.displayserver.c \
omany.net/display−1/index.html"
  DISPLAYS['display−host−1']="www_uri=https://www.displayserver.c \
omany.net/display−2/index.html"
  DISPLAYS['display−host−2']="www_uri=https://www.displayserver.c \
```

```
omany.net/display-3/index.html|res=1920x1280"
  DISPLAYS['display-host-3']="www_uri=https://www.displayserver.c \
omany.net/display-4/index.html"|res=1280x1024"
  DISPLAYS['display-host-local-file']="www_uri=file:///usr/share \
/doc/surf-display/empty-page.html"
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop-managers/surf-display.nix>

services.xserver.desktopManager.surf-display.hideIdlePointer
Hide idle mouse pointer.

Type: string

Default:

```
"yes"
```

Example:

```
"no"
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop-managers/surf-display.nix>

services.xserver.desktopManager.surf-display.inactivityInterval
Setting for internal inactivity timer to restart surf-display if the user goes inactive/idle to get a fresh session for the next user of the kiosk.

If this value is set to zero, the whole feature of restarting due to inactivity is disabled.

Type: signed integer

Default:

```
300
```

Example:

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop-managers/surf-display.nix>

services.xserver.desktopManager.surf-display.pointerButtonMap
Disable right and middle pointer device click in browser sessions while keeping scrolling wheels' functionality intact. See pointer subcommand on 'man xmodmap' for details.

Type: string

Default:

```
"1 0 0 4 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0"
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop-managers/surf-display.nix>

services.xserver.desktopManager.surf-display.screensaverSettings
Screensaver settings, see 'man 1 xset' for possible options.

Type: strings concatenated with " "

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop-managers/surf-display.nix>

services.xserver.desktopManager.wallpaper.combineScreens
When set to ‘true’ the wallpaper will stretch across all screens. When set to ‘false’ the wallpaper is duplicated to all screens.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop−managers/default.nix>

services.xserver.desktopManager.wallpaper.mode
The file *~/.background−image* is used as a background image. This option specifies the placement of this image onto your desktop.

Possible values: ‘center’: Center the image on the background. If it is too small, it will be surrounded by a black border. ‘fill’: Like ‘scale’, but preserves aspect ratio by zooming the image until it fits. Either a horizontal or a vertical part of the image will be cut off. ‘max’: Like ‘fill’, but scale the image to the maximum size that fits the screen with black borders on one side. ‘scale’: Fit the file into the background without repeating it, cutting off stuff or using borders. But the aspect ratio is not preserved either. ‘tile’: Tile (repeat) the image in case it is too small for the screen.

Type: one of “center”, “fill”, “max”, “scale”, “tile”

Default:

```
"scale"
```

Example:

```
"fill"
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop−managers/default.nix>

services.xserver.desktopManager.xfce.enable
Enable the Xfce desktop environment.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop−managers/xfce.nix>

services.xserver.desktopManager.xfce.enableScreensaver
Enable the XFCE screensaver.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop−managers/xfce.nix>

services.xserver.desktopManager.xfce.enableWaylandSession
Whether to enable the experimental Xfce Wayland session.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop−managers/xfce.nix>

services.xserver.desktopManager.xfce.enableXfwm
Enable the XFWM (default) window manager.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop−managers/xfce.nix>

services.xserver.desktopManager.xfce.noDesktop
Don’t install XFCE desktop components (xfdesktop and panel).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop−managers/xfce.nix>

services.xserver.desktopManager.xfce.waylandSessionCompositor
Command line to run a Wayland compositor, defaults to ‘labwc −−startup’ if not specified. Note that ‘xfce4−session’ will be passed to it as an argument, see ‘startxfce4 −−help’ for details.

Some compositors do not have an option equivalent to labwc’s ‘−−startup’ and you might have to add xfce4−session somewhere in their configurations.

Type: string

Default:

```
""
```

Example:

```
"wayfire"
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop−managers/xfce.nix>

services.xserver.desktopManager.xterm.enable
Enable a xterm terminal as a desktop manager.

Type: boolean

Default:

```
versionOlder config.system.stateVersion "19.09" && config.services. \
xserver.enable;
```

Declared by:
<nixpkgs/nixos/modules/services/x11/desktop−managers/xterm.nix>

services.xserver.deviceSection

Contents of the first Device section of the X server configuration file.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
"VideoRAM 131072"
```

Declared by:

<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.digimend.enable

Whether to enable the digimend drivers for Huion/XP−Pen/etc. tablets.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/x11/hardware/digimend.nix>

services.xserver.display

Display number for the X server.

Type: null or signed integer

Default:

Declared by:

<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.displayManager.lightdm.enable

Whether to enable lightdm as the display manager.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/x11/display−managers/lightdm.nix>

services.xserver.displayManager.lightdm.autoLogin.timeout

Show the greeter for this many seconds before automatic login occurs.

Type: signed integer

Default:

Declared by:

<nixpkgs/nixos/modules/services/x11/display−managers/lightdm.nix>

services.xserver.displayManager.lightdm.background
The background image or color to use.

Type: absolute path or string matching the pattern ^#[0−9A−Fa−f]{6}$

Default:

```
pkgs.nixos−artwork.wallpapers.simple−dark−gray−bottom.gnomeFile \
Path
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm.nix>

services.xserver.displayManager.lightdm.extraConfig
Extra lines to append to LightDM section.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
user−authority−in−system−dir = true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm.nix>

services.xserver.displayManager.lightdm.extraSeatDefaults
Extra lines to append to SeatDefaults section.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
greeter−show−manual−login=true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm.nix>

services.xserver.displayManager.lightdm.greeter.enable
If set to false, run lightdm in greeterless mode. This only works if autologin is enabled and autoLogin.timeout is zero.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm.nix>

services.xserver.displayManager.lightdm.greeter.package
The LightDM greeter to login via. The package should be a directory containing a .desktop file matching the name in the ‘name’ option.

Type: package

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm.nix>

services.xserver.displayManager.lightdm.greeter.name
The name of a .desktop file in the directory specified in the ‘package’ option.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm.nix>

services.xserver.displayManager.lightdm.greeters.enso.enable
Whether to enable enso−os−greeter as the lightdm greeter

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/enso−os.nix>

services.xserver.displayManager.lightdm.greeters.enso.blur
Whether or not to enable blur

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/enso−os.nix>

services.xserver.displayManager.lightdm.greeters.enso.brightness
Brightness

Type: signed integer

Default:

```
7
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/enso−os.nix>

services.xserver.displayManager.lightdm.greeters.enso.cursorTheme.package
The capitaine−cursors package to use.

Type: package

Default:

```
pkgs.capitaine−cursors
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/enso−os.nix>

services.xserver.displayManager.lightdm.greeters.enso.cursorTheme.name
Name of the cursor theme to use for the lightdm−enso−os−greeter

Type: string

Default:

```
"capitane−cursors"
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/enso−os.nix>

services.xserver.displayManager.lightdm.greeters.enso.extraConfig
Extra configuration that should be put in the greeter.conf configuration file

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/enso−os.nix>

services.xserver.displayManager.lightdm.greeters.enso.iconTheme.package
The papirus−icon−theme package to use.

Type: package

Default:

```
pkgs.papirus-icon-theme
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/enso−os.nix>

services.xserver.displayManager.lightdm.greeters.enso.iconTheme.name
Name of the icon theme to use for the lightdm−enso−os−greeter

Type: string

Default:

```
"ePapirus"
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/enso−os.nix>

services.xserver.displayManager.lightdm.greeters.enso.theme.package
The gnome−themes−extra package to use.

Type: package

Default:

```
pkgs.gnome-themes-extra
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/enso−os.nix>

services.xserver.displayManager.lightdm.greeters.enso.theme.name
Name of the theme to use for the lightdm−enso−os−greeter

Type: string

Default:

```
"Adwaita"
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/enso−os.nix>

services.xserver.displayManager.lightdm.greeters.gtk.enable
Whether to enable lightdm−gtk−greeter as the lightdm greeter.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/gtk.nix>

services.xserver.displayManager.lightdm.greeters.gtk.clock−format
Clock format string (as expected by strftime, e.g. “%H:%M”) to use with the lightdm gtk greeter panel.

If set to null the default clock format is used.

Type: null or string

Default:

```
null
```

Example:

```
"%F"
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/gtk.nix>

services.xserver.displayManager.lightdm.greeters.gtk.cursorTheme.package
The adwaita−icon−theme package to use.

Type: package

Default:

```
pkgs.adwaita-icon-theme
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/gtk.nix>

services.xserver.displayManager.lightdm.greeters.gtk.cursorTheme.name
Name of the cursor theme to use for the lightdm−gtk−greeter.

Type: string

Default:

```
"Adwaita"
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/gtk.nix>

services.xserver.displayManager.lightdm.greeters.gtk.cursorTheme.size
Size of the cursor theme to use for the lightdm−gtk−greeter.

Type: signed integer

Default:

```
16
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/gtk.nix>

services.xserver.displayManager.lightdm.greeters.gtk.extraConfig
Extra configuration that should be put in the lightdm−gtk−greeter.conf configuration file.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/gtk.nix>

services.xserver.displayManager.lightdm.greeters.gtk.iconTheme.package
The adwaita−icon−theme package to use.

Type: package

Default:

```
pkgs.adwaita-icon-theme
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/gtk.nix>

services.xserver.displayManager.lightdm.greeters.gtk.iconTheme.name
Name of the icon theme to use for the lightdm−gtk−greeter.

Type: string

Default:

```
"Adwaita"
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/gtk.nix>

services.xserver.displayManager.lightdm.greeters.gtk.indicators
List of allowed indicator modules to use for the lightdm gtk greeter panel.

Built−in indicators include “~a11y”, “~language”, “~session”, “~power”, “~clock”, “~host”, “~spacer”. Unity indicators can be represented by short name (e.g. “sound”, “power”), service file name, or absolute path.

If set to null the default indicators are used.

Type: null or (list of string)

Default:

```
null
```

Example:

```
[
  "~host"
  "~spacer"
  "~clock"
  "~spacer"
  "~session"
  "~language"
  "~a11y"
  "~power"
]
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/gtk.nix>

services.xserver.displayManager.lightdm.greeters.gtk.theme.package
The gnome−themes−extra package to use.

Type: package

Default:

```
pkgs.gnome-themes-extra
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/gtk.nix>

services.xserver.displayManager.lightdm.greeters.gtk.theme.name
Name of the theme to use for the lightdm−gtk−greeter.

Type: string

Default:

```
"Adwaita"
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/gtk.nix>

services.xserver.displayManager.lightdm.greeters.lomiri.enable
Whether to enable lomiri's greeter as the lightdm greeter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/lomiri.nix>

services.xserver.displayManager.lightdm.greeters.mini.enable
Whether to enable lightdm−mini−greeter as the lightdm greeter.

Note that this greeter starts only the default X session. You can configure the default X session using **services.displayManager.defaultSession**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/mini.nix>

services.xserver.displayManager.lightdm.greeters.mini.extraConfig
Extra configuration that should be put in the lightdm−mini−greeter.conf configuration file.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/mini.nix>

services.xserver.displayManager.lightdm.greeters.mini.user
The user to login as.

Type: string

Default:

```
"root"
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/mini.nix>

services.xserver.displayManager.lightdm.greeters.mobile.enable
Whether to enable lightdm−mobile−greeter as the lightdm greeter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/mobile.nix>

services.xserver.displayManager.lightdm.greeters.pantheon.enable
Whether to enable elementary−greeter as the lightdm greeter.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/pantheon.nix>

services.xserver.displayManager.lightdm.greeters.slick.enable
Whether to enable lightdm−slick−greeter as the lightdm greeter.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/slick.nix>

services.xserver.displayManager.lightdm.greeters.slick.cursorTheme.package
The adwaita−icon−theme package to use.

Type: package

Default:

```
pkgs.adwaita-icon-theme
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/slick.nix>

services.xserver.displayManager.lightdm.greeters.slick.cursorTheme.name
Name of the cursor theme to use for the lightdm−slick−greeter.

Type: string

Default:

```
"Adwaita"
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/slick.nix>

services.xserver.displayManager.lightdm.greeters.slick.cursorTheme.size
Size of the cursor theme to use for the lightdm−slick−greeter.

Type: signed integer

Default:

```
24
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/slick.nix>

services.xserver.displayManager.lightdm.greeters.slick.draw−user−backgrounds
Whether to enable draw user backgrounds.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/slick.nix>

services.xserver.displayManager.lightdm.greeters.slick.extraConfig
Extra configuration that should be put in the lightdm−slick−greeter.conf configuration file.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/slick.nix>

services.xserver.displayManager.lightdm.greeters.slick.font.package
The ubuntu−classic package to use.

Type: package

Default:

```
pkgs.ubuntu-classic
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/slick.nix>

services.xserver.displayManager.lightdm.greeters.slick.font.name
Name of the font to use.

Type: string

Default:

```
"Ubuntu 11"
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/slick.nix>

services.xserver.displayManager.lightdm.greeters.slick.iconTheme.package
The adwaita−icon−theme package to use.

Type: package

Default:

```
pkgs.adwaita-icon-theme
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/slick.nix>

services.xserver.displayManager.lightdm.greeters.slick.iconTheme.name
Name of the icon theme to use for the lightdm−slick−greeter.

Type: string

Default:

```
"Adwaita"
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/slick.nix>

services.xserver.displayManager.lightdm.greeters.slick.theme.package
The gnome−themes−extra package to use.

Type: package

Default:

```
pkgs.gnome-themes-extra
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/slick.nix>

services.xserver.displayManager.lightdm.greeters.slick.theme.name
Name of the theme to use for the lightdm−slick−greeter.

Type: string

Default:

```
"Adwaita"
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/slick.nix>

services.xserver.displayManager.lightdm.greeters.tiny.enable
Whether to enable lightdm−tiny−greeter as the lightdm greeter.

Note that this greeter starts only the default X session. You can configure the default X session using **services.displayManager.defaultSession**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/tiny.nix>

services.xserver.displayManager.lightdm.greeters.tiny.extraConfig
Section to describe style and ui.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/tiny.nix>

services.xserver.displayManager.lightdm.greeters.tiny.label.pass

The string to represent the pass_text label.

Type: string

Default:

```
"Password"
```

Declared by:

<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/tiny.nix>

services.xserver.displayManager.lightdm.greeters.tiny.label.user

The string to represent the user_text label.

Type: string

Default:

```
"Username"
```

Declared by:

<nixpkgs/nixos/modules/services/x11/display−managers/lightdm−greeters/tiny.nix>

services.xserver.displayManager.session

List of sessions supported with the command used to start each session. Each session script can set the *waitPID* shell variable to make this script wait until the end of the user session. Each script is used to define either a window manager or a desktop manager. These can be differentiated by setting the attribute *manage* either to ‘"window"’ or ‘"desktop"’.

The list of desktop manager and window manager should appear inside the display manager with the desktop manager name followed by the window manager name.

Type: list of (attribute set)

Default:

```
[ ]
```

Example:

```
[ { manage = "desktop";
    name = "xterm";
    start = ''
      ${pkgs.xterm}/bin/xterm −ls &
      waitPID=$!
    '';
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/x11/display−managers/default.nix>

services.xserver.displayManager.sessionCommands

Shell commands executed just before the window or desktop manager is started. These commands are not currently sourced for Wayland sessions.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
xmessage "Hello World!" &
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/default.nix>

services.xserver.displayManager.setupCommands
Shell commands executed just after the X server has started.

This option is only effective for display managers for which this feature is supported; currently these are LightDM, GDM and SDDM.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/default.nix>

services.xserver.displayManager.startx.enable
Whether to enable the dummy “startx” pseudo−display manager, which allows users to start X manually via the ‘startx’ command from a virtual terminal.

Note
The X server will run under the current user, not as root.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/startx.nix>

services.xserver.displayManager.startx.extraCommands
Shell commands to be added to the system−wide xinitrc script.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/startx.nix>

services.xserver.displayManager.startx.generateScript
Whether to generate the system−wide xinitrc script (/etc/X11/xinit/xinitrc). This script will take care of setting up the session for systemd user services, running the window manager and cleaning up on exit.

Note
This script will only be used by ‘startx’ when both ‘.xinitrc’ does not exists and the ‘XINITRC’ environment variable is unset.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/startx.nix>

services.xserver.displayManager.sx.enable

Whether to enable the “sx” pseudo−display manager, which allows users to start manually via the “sx” command from a vt shell. The X server runs under the user’s id, not as root. The user must provide a ~/.config/sx/sxrc file containing session startup commands, see **sx**(1). This is not automatically generated from the desktopManager and windowManager settings. sx doesn’t have a way to directly set X server flags, but it can be done by overriding its xorg−server dependency.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/x11/display−managers/sx.nix>

services.xserver.displayManager.sx.package

The sx package to use.

Type: package

Default:

```
pkgs.sx
```

Declared by:

<nixpkgs/nixos/modules/services/x11/display−managers/sx.nix>

services.xserver.displayManager.sx.addAsSession

Whether to add sx as a display manager session. Keep in mind that sx expects to be run from a TTY, so it may not work in your display manager.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/x11/display−managers/sx.nix>

services.xserver.displayManager.xpra.enable

Whether to enable xpra as display manager.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/x11/display−managers/xpra.nix>

services.xserver.displayManager.xpra.auth

Authentication to use when connecting to xpra

Type: string

Default:

```
"pam"
```

Example:

```
"password:value=mysecret"
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/xpra.nix>

services.xserver.displayManager.xpra.bindTcp
Bind xpra to TCP

Type: null or string

Default:

```
"127.0.0.1:10000"
```

Example:

```
"0.0.0.0:10000"
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/xpra.nix>

services.xserver.displayManager.xpra.desktop
Start a desktop environment instead of seamless mode

Type: null or string

Default:

```
null
```

Example:

```
"gnome−shell"
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/xpra.nix>

services.xserver.displayManager.xpra.extraOptions
Extra xpra options

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/xpra.nix>

services.xserver.displayManager.xpra.pulseaudio
Whether to enable pulseaudio audio streaming.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/display−managers/xpra.nix>

services.xserver.displayManager.xserverArgs

List of arguments for the X server.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-ac"
  "-logverbose"
  "-verbose"
  "-nolisten tcp"
]
```

Declared by:

<nixpkgs/nixos/modules/services/x11/display-managers/default.nix>

services.xserver.displayManager.xserverBin

Path to the X server used by display managers.

Type: absolute path

Declared by:

<nixpkgs/nixos/modules/services/x11/display-managers/default.nix>

services.xserver.dpi

Force global DPI resolution to use for X server. It's recommended to use this only when DPI is detected incorrectly; also consider using 'Monitor' section in configuration file instead.

Type: null or signed integer

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.excludePackages

Which X11 packages to exclude from the default environment

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.xterm ]
```

Declared by:

<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.exportConfiguration

Whether to symlink the X server configuration under */etc/X11/xorg.conf*.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.extraConfig
Additional contents (sections) included in the X server configuration file

Type: strings concatenated with “\n”

Default:
```
""
```

Declared by:
<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.extraDisplaySettings
Lines to be added to every Display subsection of the Screen section.

Type: strings concatenated with “\n”

Default:
```
""
```

Example:
```
"Virtual 2048 2048"
```

Declared by:
<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.filesSection
Contents of the first ‘Files’ section of the X server configuration file.

Type: strings concatenated with “\n”

Default:
```
""
```

Example:
```
"FontPath \"/path/to/my/fonts\""
```

Declared by:
<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.fontPath
Set the X server FontPath. Defaults to null, which means the compiled in defaults will be used. See man xorg.conf for details.

Type: null or string

Default:
```
null
```

Example:
```
"unix/:7100"
```

Declared by:
<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.imwheel.enable

Whether to enable IMWheel service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/x11/imwheel.nix>

services.xserver.imwheel.extraOptions

Additional command−line arguments to pass to **imwheel**.

Type: list of string

Default:

```
[
  "--buttons=45"
]
```

Example:

```
[
  "--debug"
]
```

Declared by:

<nixpkgs/nixos/modules/services/x11/imwheel.nix>

services.xserver.imwheel.rules

Window class translation rules. /etc/X11/imwheelrc is generated based on this config which means this config is global for all users. See **official man pages** for more information.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  ".*" = ''
    None,      Up,   Button4, 8
    None,      Down, Button5, 8
    Shift_L,   Up,   Shift_L|Button4, 4
    Shift_L,   Down, Shift_L|Button5, 4
    Control_L, Up,   Control_L|Button4
    Control_L, Down, Control_L|Button5
  '';
}
```

Declared by:

<nixpkgs/nixos/modules/services/x11/imwheel.nix>

services.xserver.inputClassSections

Content of additional InputClass sections of the X server configuration file.

Type: list of strings concatenated with “\n”

Default:

```
[ ]
```

Example:

```
[ ''
    Identifier      "Trackpoint Wheel Emulation"
    MatchProduct    "ThinkPad USB Keyboard with TrackPoint"
    Option          "EmulateWheel"          "true"
    Option          "EmulateWheelButton"    "2"
    Option          "Emulate3Buttons"       "false"
  ''
]
```

Declared by:

<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.logFile

Controls the file Xorg logs to.

The default of ‘/dev/null’ is set so that systemd services (like ‘displayManagers’) only log to the journal and don’t create their own log files.

Setting this to ‘null’ will not pass the ‘−logfile’ argument to Xorg which allows it to log to its default log-file locations instead (see ‘man Xorg’). You probably only want this behaviour when running Xorg manually (e.g. via ‘startx’).

Type: null or string

Default:

```
"/dev/null"
```

Example:

```
"/var/log/Xorg.0.log"
```

Declared by:

<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.moduleSection

Contents of the Module section of the X server configuration file.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
  SubSection "extmod"
  EndSubsection
```

Declared by:

<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.modules

Packages to be added to the module search path of the X server.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[ pkgs.xf86-input-wacom ]
```

Declared by:

<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.monitorSection

Contents of the first Monitor section of the X server configuration file.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
"HorizSync 28-49"
```

Declared by:

<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.resolutions

The screen resolutions for the X server. The first element is the default resolution. If this list is empty, the X server will automatically configure the resolution.

Type: list of (attribute set)

Default:

```
[ ]
```

Example:

```
[
  {
    x = 1600;
    y = 1200;
  }
  {
    x = 1024;
    y = 786;
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.screenSection

Contents of the first Screen section of the X server configuration file.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
Option "RandRRotation" "on"
```

Declared by:
<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.serverFlagsSection
Contents of the ServerFlags section of the X server configuration file.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
Option "BlankTime" "0"
Option "StandbyTime" "0"
Option "SuspendTime" "0"
Option "OffTime" "0"
```

Declared by:
<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.serverLayoutSection
Contents of the ServerLayout section of the X server configuration file.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
Option "AIGLX" "true"
```

Declared by:
<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.synaptics.enable
Whether to enable touchpad support. Deprecated: Consider services.libinput.enable.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/x11/hardware/synaptics.nix>

services.xserver.synaptics.accelFactor
Cursor acceleration (how fast speed increases from minSpeed to maxSpeed).

Type: null or string

Default:

```
"0.001"
```

Declared by:
<nixpkgs/nixos/modules/services/x11/hardware/synaptics.nix>

services.xserver.synaptics.additionalOptions

Additional options for synaptics touchpad driver.

Type: string

Default:

```
""
```

Example:

```
Option "RTCornerButton" "2"
Option "RBCornerButton" "3"
```

Declared by:

<nixpkgs/nixos/modules/services/x11/hardware/synaptics.nix>

services.xserver.synaptics.buttonsMap

Remap touchpad buttons.

Type: list of signed integer

Default:

```
[
  1
  2
  3
]
```

Example:

```
[
  1
  3
  2
]
```

Declared by:

<nixpkgs/nixos/modules/services/x11/hardware/synaptics.nix>

services.xserver.synaptics.dev

Path for touchpad device. Set to null to apply to any auto−detected touchpad.

Type: null or string

Default:

```
null
```

Example:

```
"/dev/input/event0"
```

Declared by:

<nixpkgs/nixos/modules/services/x11/hardware/synaptics.nix>

services.xserver.synaptics.fingersMap

Remap several−fingers taps.

Type: list of signed integer

Default:

```
[
  1
  2
```

```
  3
]
```

Example:

```
[
  1
  3
  2
]
```

Declared by:
<nixpkgs/nixos/modules/services/x11/hardware/synaptics.nix>

services.xserver.synaptics.horizEdgeScroll
Whether to enable horizontal edge drag−scrolling.

Type: boolean

Default:

```
! config.services.xserver.synaptics.horizTwoFingerScroll
```

Declared by:
<nixpkgs/nixos/modules/services/x11/hardware/synaptics.nix>

services.xserver.synaptics.horizTwoFingerScroll
Whether to enable horizontal two−finger drag−scrolling.

Type: boolean

Default:

```
config.services.xserver.synaptics.twoFingerScroll
```

Declared by:
<nixpkgs/nixos/modules/services/x11/hardware/synaptics.nix>

services.xserver.synaptics.horizontalScroll
Whether to enable horizontal scrolling (on touchpad)

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/hardware/synaptics.nix>

services.xserver.synaptics.maxSpeed
Cursor speed factor for highest−speed finger motion.

Type: null or string

Default:

```
"1.0"
```

Declared by:
<nixpkgs/nixos/modules/services/x11/hardware/synaptics.nix>

services.xserver.synaptics.minSpeed

Cursor speed factor for precision finger motion.

Type: null or string

Default:

```
"0.6"
```

Declared by:

<nixpkgs/nixos/modules/services/x11/hardware/synaptics.nix>

services.xserver.synaptics.palmDetect

Whether to enable palm detection (hardware support required)

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/x11/hardware/synaptics.nix>

services.xserver.synaptics.palmMinWidth

Minimum finger width at which touch is considered a palm

Type: null or signed integer

Default:

```
null
```

Example:

```
5
```

Declared by:

<nixpkgs/nixos/modules/services/x11/hardware/synaptics.nix>

services.xserver.synaptics.palmMinZ

Minimum finger pressure at which touch is considered a palm

Type: null or signed integer

Default:

```
null
```

Example:

```
20
```

Declared by:

<nixpkgs/nixos/modules/services/x11/hardware/synaptics.nix>

services.xserver.synaptics.scrollDelta

Move distance of the finger for a scroll event.

Type: null or signed integer

Default:

```
null
```

Example:

```
75
```

Declared by:
<nixpkgs/nixos/modules/services/x11/hardware/synaptics.nix>

services.xserver.synaptics.tapButtons
Whether to enable tap buttons.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/hardware/synaptics.nix>

services.xserver.synaptics.twoFingerScroll
Whether to enable two−finger drag−scrolling. Overridden by horizTwoFingerScroll and vertTwoFinger-Scroll.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/x11/hardware/synaptics.nix>

services.xserver.synaptics.vertEdgeScroll
Whether to enable vertical edge drag−scrolling.

Type: boolean

Default:

```
! config.services.xserver.synaptics.vertTwoFingerScroll
```

Declared by:
<nixpkgs/nixos/modules/services/x11/hardware/synaptics.nix>

services.xserver.synaptics.vertTwoFingerScroll
Whether to enable vertical two−finger drag−scrolling.

Type: boolean

Default:

```
config.services.xserver.synaptics.twoFingerScroll
```

Declared by:
<nixpkgs/nixos/modules/services/x11/hardware/synaptics.nix>

services.xserver.terminateOnReset
Whether to terminate X upon server reset.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.updateDbusEnvironment

Whether to update the DBus activation environment after launching the desktop manager.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.upscaleDefaultCursor

Upscale the default X cursor to be more visible on high−density displays. Requires ‘config.services.xserver.dpi’ to be set.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.verbose

Controls verbosity of X logging.

Type: null or signed integer

Default:

```
3
```

Example:

```
7
```

Declared by:

<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.videoDriver

The name of the video driver for your graphics card. This option is obsolete; please set the **services.xserver.videoDrivers** instead.

Type: null or string

Default:

```
null
```

Example:

```
"i810"
```

Declared by:

<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.videoDrivers

The names of the video drivers the configuration supports. They will be tried in order until one that supports your card is found. Don’t combine those with “incompatible” OpenGL implementations, e.g. free ones (mesa−based) with proprietary ones.

For unfree “nvidia*”, the supported GPU lists are on https://www.nvidia.com/object/unix.html

Type: list of string

Default:

```
[
```

```
    "modesetting"
    "fbdev"
  ]
```

Example:

```
  [
    "nvidia"
    "amdgpu"
  ]
```

Related packages:

- **amdgpu aka** ‘pkgs.xf86−video−amdgpu’
- **apm aka** ‘pkgs.xf86−video−apm’
- **ark aka** ‘pkgs.xf86−video−ark’
- **ast aka** ‘pkgs.xf86−video−ast’
- **ati aka** ‘pkgs.xf86−video−ati’
- **chips aka** ‘pkgs.xf86−video−chips’
- **cirrus aka** ‘pkgs.xf86−video−cirrus’
- **dummy aka** ‘pkgs.xf86−video−dummy’
- **fbdev aka** ‘pkgs.xf86−video−fbdev’
- **geode aka** ‘pkgs.xf86−video−geode’
- **i128 aka** ‘pkgs.xf86−video−i128’
- **i740 aka** ‘pkgs.xf86−video−i740’
- **intel aka** ‘pkgs.xf86−video−intel’
- **mga aka** ‘pkgs.xf86−video−mga’
- **neomagic aka** ‘pkgs.xf86−video−neomagic’
- **nested aka** ‘pkgs.xf86−video−nested’
- **nouveau aka** ‘pkgs.xf86−video−nouveau’
- **nv aka** ‘pkgs.xf86−video−nv’
- **omap aka** ‘pkgs.xf86−video−omap’
- **openchrome aka** ‘pkgs.xf86−video−openchrome’
- **qxl aka** ‘pkgs.xf86−video−qxl’
- **r128 aka** ‘pkgs.xf86−video−r128’
- **s3virge aka** ‘pkgs.xf86−video−s3virge’
- **savage aka** ‘pkgs.xf86−video−savage’
- **siliconmotion aka** ‘pkgs.xf86−video−siliconmotion’
- **sis aka** ‘pkgs.xf86−video−sis’
- **sisusb aka** ‘pkgs.xf86−video−sisusb’
- **suncg6 aka** ‘pkgs.xf86−video−suncg6’
- **sunffb aka** ‘pkgs.xf86−video−sunffb’
- **sunleo aka** ‘pkgs.xf86−video−sunleo’
- **tdfx aka** ‘pkgs.xf86−video−tdfx’
- **trident aka** ‘pkgs.xf86−video−trident’
- **v4l aka** ‘pkgs.xf86−video−v4l’
- **vbox aka** ‘pkgs.xf86−video−vbox’
- **vesa aka** ‘pkgs.xf86−video−vesa’
- **vmware aka** ‘pkgs.xf86−video−vmware’
- **voodoo aka** ‘pkgs.xf86−video−voodoo’

Declared by:

<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.virtualScreen

Virtual screen size for Xrandr.

Type: null or (attribute set)

Default:

```
null
```

Example:

```
{
  x = 2048;
  y = 2048;
}
```

Declared by:

<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.wacom.enable

Whether to enable the Wacom touchscreen/digitizer/tablet. If you ever have any issues such as, try switching to terminal (ctrl−alt−F1) and back which will make Xorg reconfigure the device ?

If you're not satisfied by the default behaviour you can override **environment.etc."X11/xorg.conf.d/70−wacom.conf"** in configuration.nix easily.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/x11/hardware/wacom.nix>

services.xserver.windowManager."2bwm".enable

Whether to enable 2bwm.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/x11/window−managers/2bwm.nix>

services.xserver.windowManager.afterstep.enable

Whether to enable afterstep.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/x11/window−managers/afterstep.nix>

services.xserver.windowManager.awesome.enable
Whether to enable Awesome window manager.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/awesome.nix>

services.xserver.windowManager.awesome.package
The awesome package to use.

Type: package

Default:

```
pkgs.awesome
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/awesome.nix>

services.xserver.windowManager.awesome.luaModules
List of lua packages available for being used in the Awesome configuration.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.luaPackages.vicious ]
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/awesome.nix>

services.xserver.windowManager.awesome.noArgb
Disable client transparency support, which can be greatly detrimental to performance in some setups

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/awesome.nix>

services.xserver.windowManager.berry.enable
Whether to enable berry.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/berry.nix>

services.xserver.windowManager.bspwm.enable
Whether to enable bspwm.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/bspwm.nix>

services.xserver.windowManager.bspwm.package
The bspwm package to use.

Type: package

Default:

```
pkgs.bspwm
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/bspwm.nix>

services.xserver.windowManager.bspwm.configFile
Path to the bspwm configuration file. If null, $HOME/.config/bspwm/bspwmrc will be used.

Type: null or absolute path

Default:

```
null
```

Example:

```
"${pkgs.bspwm}/share/doc/bspwm/examples/bspwmrc"
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/bspwm.nix>

services.xserver.windowManager.bspwm.sxhkd.package
The sxhkd package to use.

Type: package

Default:

```
pkgs.sxhkd
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/bspwm.nix>

services.xserver.windowManager.bspwm.sxhkd.configFile
Path to the sxhkd configuration file. If null, $HOME/.config/sxhkd/sxhkdrc will be used.

Type: null or absolute path

Default:

```
null
```

Example:

```
"${pkgs.bspwm}/share/doc/bspwm/examples/sxhkdrc"
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/bspwm.nix>

services.xserver.windowManager.clfswm.enable
Whether to enable clfswm.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/clfswm.nix>

services.xserver.windowManager.clfswm.package
The clfswm package to use.

Type: package

Default:

```
pkgs.sbclPackages.clfswm
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/clfswm.nix>

services.xserver.windowManager.cwm.enable
Whether to enable cwm.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/cwm.nix>

services.xserver.windowManager.dk.enable
Whether to enable dk.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/dk.nix>

services.xserver.windowManager.dk.package
The dk package to use.

Type: package

Default:

```
pkgs.dk
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/dk.nix>

services.xserver.windowManager.dwm.enable
Whether to enable dwm.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/dwm.nix>

services.xserver.windowManager.dwm.package
The dwm package to use.

Type: package

Default:

```
pkgs.dwm
```

Example:

```
pkgs.dwm.overrideAttrs (oldAttrs: rec {
  patches = [
    (super.fetchpatch {
      url = "https://dwm.suckless.org/patches/steam/dwm−steam−6.2 \
.diff";
      sha256 = "sha256−f3lffBjz7+0Khyn9c9orzReoLTqBb/9gVGshYARGdVc \
=";
    })
  ];
})
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/dwm.nix>

services.xserver.windowManager.dwm.extraSessionCommands
Shell commands executed just before dwm is started.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/dwm.nix>

services.xserver.windowManager.e16.enable
Whether to enable e16.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/e16.nix>

services.xserver.windowManager.evilwm.enable
Whether to enable evilwm.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/evilwm.nix>

services.xserver.windowManager.exwm.enable
Whether to enable exwm.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/exwm.nix>

services.xserver.windowManager.exwm.package
The Emacs package to use.

Type: package

Default:

```
pkgs.emacs
```

Example:

```
pkgs.emacs−gtk
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/exwm.nix>

services.xserver.windowManager.exwm.extraPackages
Extra packages available to Emacs. The value must be a function which receives the attrset defined in *emacs.pkgs* as the sole argument.

Type: function that evaluates to a(n) list of package

Default:

```
epkgs: []
```

Example:

```
epkgs: [
  epkgs.emms
  epkgs.magit
  epkgs.proofgeneral
]
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/exwm.nix>

services.xserver.windowManager.exwm.loadScript
Emacs lisp code to be run after loading the user’s init file.

Type: strings concatenated with “\n”

Default:

```
"(require 'exwm)"
```

Example:

```
(require 'exwm)
(exwm-enable)
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/exwm.nix>

services.xserver.windowManager.fluxbox.enable
Whether to enable fluxbox.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/fluxbox.nix>

services.xserver.windowManager.fvwm2.enable
Whether to enable Fvwm2 window manager.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/fvwm2.nix>

services.xserver.windowManager.fvwm2.gestures
Whether or not to enable libstroke for gesture support

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/fvwm2.nix>

services.xserver.windowManager.fvwm3.enable
Whether to enable Fvwm3 window manager.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/fvwm3.nix>

services.xserver.windowManager.hackedbox.enable
Whether to enable hackedbox.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/hackedbox.nix>

services.xserver.windowManager.herbstluftwm.enable
Whether to enable herbstluftwm.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/herbstluftwm.nix>

services.xserver.windowManager.herbstluftwm.package
The herbstluftwm package to use.

Type: package

Default:

```
pkgs.herbstluftwm
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/herbstluftwm.nix>

services.xserver.windowManager.herbstluftwm.configFile
Path to the herbstluftwm configuration file. If left at the default value, $XDG_CONFIG_HOME/herbstluftwm/autostart will be used.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/herbstluftwm.nix>

services.xserver.windowManager.hypr.enable
Whether to enable hypr.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/hypr.nix>

services.xserver.windowManager.i3.enable
Whether to enable i3 window manager.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/i3.nix>

services.xserver.windowManager.i3.package
The i3 package to use.

Type: package

Default:

```
pkgs.i3
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/i3.nix>

services.xserver.windowManager.i3.configFile
Path to the i3 configuration file. If left at the default value, $HOME/.i3/config will be used.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/i3.nix>

services.xserver.windowManager.i3.extraPackages
Extra packages to be installed system wide.

Type: list of package

Default:

```
with pkgs; [
  dmenu
  i3status
]
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/i3.nix>

services.xserver.windowManager.i3.extraSessionCommands
Shell commands executed just before i3 is started.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/i3.nix>

services.xserver.windowManager.i3.updateSessionEnvironment
Whether to run dbus−update−activation−environment and systemctl import−environment before session start. Required for xdg portals to function properly.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/i3.nix>

services.xserver.windowManager.icewm.enable
Whether to enable icewm.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/icewm.nix>

services.xserver.windowManager.jwm.enable
Whether to enable jwm.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/jwm.nix>

services.xserver.windowManager.katriawm.enable
Whether to enable katriawm.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/katriawm.nix>

services.xserver.windowManager.katriawm.package
The katriawm package to use.

Type: package

Default:

```
pkgs.katriawm
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/katriawm.nix>

services.xserver.windowManager.leftwm.enable
Whether to enable leftwm.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/leftwm.nix>

services.xserver.windowManager.lwm.enable
Whether to enable lwm.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/lwm.nix>

services.xserver.windowManager.metacity.enable
Whether to enable metacity.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/metacity.nix>

services.xserver.windowManager.mlvwm.enable
Whether to enable Macintosh−like Virtual Window Manager.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/mlvwm.nix>

services.xserver.windowManager.mlvwm.configFile
Path to the mlvwm configuration file. If left at the default value, $HOME/.mlvwmrc will be used.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/mlvwm.nix>

services.xserver.windowManager.mwm.enable
Whether to enable mwm.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/mwm.nix>

services.xserver.windowManager.nimdow.enable
Whether to enable nimdow.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/nimdow.nix>

services.xserver.windowManager.nimdow.package
The nimdow package to use.

Type: package

Default:

```
pkgs.nimdow
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/nimdow.nix>

services.xserver.windowManager.notion.enable
Whether to enable notion.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/notion.nix>

services.xserver.windowManager.openbox.enable
Whether to enable openbox.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/openbox.nix>

services.xserver.windowManager.oxwm.enable
Whether to enable oxwm.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/oxwm.nix>

services.xserver.windowManager.oxwm.package
The oxwm package to use.

Type: package

Default:

```
pkgs.oxwm
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/oxwm.nix>

services.xserver.windowManager.pekwm.enable
Whether to enable pekwm.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/pekwm.nix>

services.xserver.windowManager.qtile.enable
Whether to enable qtile.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/qtile.nix>

services.xserver.windowManager.qtile.package
The qtile package to use.

Type: package

Default:

```
pkgs.python3.pkgs.qtile
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/qtile.nix>

services.xserver.windowManager.qtile.configFile
Path to the qtile configuration file. If null, $XDG_CONFIG_HOME/qtile/config.py will be used.

Type: null or absolute path

Default:

```
null
```

Example:

```
./your_config.py
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/qtile.nix>

services.xserver.windowManager.qtile.extraPackages
Extra Python packages available to Qtile. An example would be to include ‘python3Packages.qtile−extras’ for additional unofficial widgets.

Type: function that evaluates to a(n) list of package

Default:

```
python3Packages: with python3Packages; [];
```

Example:

```
python3Packages: with python3Packages; [
  qtile−extras
];
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/qtile.nix>

services.xserver.windowManager.ragnarwm.enable
Whether to enable ragnarwm.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/ragnarwm.nix>

services.xserver.windowManager.ragnarwm.package
The ragnarwm package to use.

Type: package

Default:

```
pkgs.ragnarwm
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/ragnarwm.nix>

services.xserver.windowManager.ratpoison.enable
Whether to enable ratpoison.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/ratpoison.nix>

services.xserver.windowManager.sawfish.enable
Whether to enable sawfish.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/sawfish.nix>

services.xserver.windowManager.smallwm.enable
Whether to enable smallwm.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/smallwm.nix>

services.xserver.windowManager.spectrwm.enable
Whether to enable spectrwm.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/spectrwm.nix>

services.xserver.windowManager.stumpwm.enable
Whether to enable stumpwm.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/stumpwm.nix>

services.xserver.windowManager.stumpwm.package
The stumpwm package to use.

Type: package

Default:

```
pkgs.stumpwm
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/stumpwm.nix>

services.xserver.windowManager.tinywm.enable
Whether to enable tinywm.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/tinywm.nix>

services.xserver.windowManager.twm.enable
Whether to enable twm.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/twm.nix>

services.xserver.windowManager.windowlab.enable
Whether to enable windowlab.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/windowlab.nix>

services.xserver.windowManager.windowmaker.enable
Whether to enable windowmaker.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/windowmaker.nix>

services.xserver.windowManager.wmderland.enable
Whether to enable wmderland.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/wmderland.nix>

services.xserver.windowManager.wmderland.extraPackages
Extra packages to be installed system wide.

Type: list of package

Default:

```
with pkgs; [
```

```
    rofi
    dunst
    light
    hsetroot
    feh
    rxvt-unicode
  ]
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window-managers/wmderland.nix>

services.xserver.windowManager.wmderland.extraSessionCommands
Shell commands executed just before wmderland is started.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window-managers/wmderland.nix>

services.xserver.windowManager.wmii.enable
Whether to enable wmii.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window-managers/wmii.nix>

services.xserver.windowManager.xmonad.enable
Whether to enable xmonad.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window-managers/xmonad.nix>

services.xserver.windowManager.xmonad.enableConfiguredRecompile
Enable recompilation even if **config** is set to a non-null value. This adds the necessary Haskell dependencies (GHC with packages) to the xmonad binary's environment.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/xmonad.nix>

services.xserver.windowManager.xmonad.enableContribAndExtras
Enable xmonad−{contrib,extras} in Xmonad.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/x11/window−managers/xmonad.nix>

services.xserver.windowManager.xmonad.config
Configuration from which XMonad gets compiled. If no value is specified, a vanilla xmonad binary is put in PATH, which will attempt to recompile and exec your xmonad config from $HOME/.xmonad. This setup is then analogous to other (non−NixOS) linux distributions.

If you do set this option, you likely want to use “launch” as your entry point for xmonad (as in the example), to avoid xmonad’s recompilation logic on startup. Doing so will render the default “mod+q” restart key binding dysfunctional though, because that attempts to call your binary with the “–restart” command line option, unless you implement that yourself. You way mant to bind “mod+q” to ‘(restart "xmonad" True)’ instead, which will just restart xmonad from PATH. This allows e.g. switching to the new xmonad binary after rebuilding your system with nixos−rebuild. For the same reason, ghc is not added to the environment when this option is set, unless **enableConfiguredRecompile** is set to ‘true’.

If you actually want to run xmonad with a config specified here, but also be able to recompile and restart it from a copy of that source in $HOME/.xmonad on the fly, set **enableConfiguredRecompile** to ‘true’ and implement something like “compileRestart” from the example. This should allow you to switch at will between the local xmonad and the one NixOS puts in your PATH.

Type: null or absolute path or string

Default:

```
null
```

Example:

```
import XMonad
import XMonad.Util.EZConfig (additionalKeys)
import Control.Monad (when)
import Text.Printf (printf)
import System.Posix.Process (executeFile)
import System.Info (arch,os)
import System.Environment (getArgs)
import System.FilePath ((</>))

compiledConfig = printf "xmonad−%s−%s" arch os

myConfig = defaultConfig
  { modMask = mod4Mask −− Use Super instead of Alt
  , terminal = "urxvt" }
  `additionalKeys`
  [ ( (mod4Mask,xK_r), compileRestart True)
  , ( (mod4Mask,xK_q), restart "xmonad" True ) ]

compileRestart resume = do
  dirs  <− asks directories
```

```
    whenX (recompile dirs True) $ do
      when resume writeStateToFile
      catchIO
          ( do
              args <- getArgs
              executeFile (cacheDir dirs </> compiledConfig) False  \
args Nothing
          )

  main = getDirectories >>= launch myConfig

  ------------------------------- \
-----------
  {- For versions before 0.17.0 use this instead -}
  ------------------------------- \
-----------
  -- compileRestart resume =
  --   whenX (recompile True) $
  --     when resume writeStateToFile
  --       *> catchIO
  --         ( do
  --             dir <- getXMonadDataDir
  --             args <- getArgs
  --             executeFile (dir </> compiledConfig) False args  \
Nothing
  --         )
  --
  -- main = launch myConfig
  ------------------------------- \
-----------
```

Declared by:

<nixpkgs/nixos/modules/services/x11/window-managers/xmonad.nix>

services.xserver.windowManager.xmonad.extraPackages

Extra packages available to ghc when rebuilding Xmonad. The value must be a function which receives the attrset defined in *haskellPackages* as the sole argument.

Type: function that evaluates to a(n) list of package

Default:

```
self: []
```

Example:

```
haskellPackages: [
  haskellPackages.xmonad-contrib
  haskellPackages.monad-logger
]
```

Declared by:

<nixpkgs/nixos/modules/services/x11/window-managers/xmonad.nix>

services.xserver.windowManager.xmonad.ghcArgs

Command line arguments passed to the compiler (ghc) invocation when xmonad.config is set.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/x11/window−managers/xmonad.nix>

services.xserver.windowManager.xmonad.haskellPackages

haskellPackages used to build Xmonad and other packages. This can be used to change the GHC version used to build Xmonad and the packages listed in *extraPackages*.

Type: attribute set

Default:

```
pkgs.haskellPackages
```

Example:

```
pkgs.haskell.packages.ghc910
```

Declared by:

<nixpkgs/nixos/modules/services/x11/window−managers/xmonad.nix>

services.xserver.windowManager.xmonad.xmonadCliArgs

Command line arguments passed to the xmonad binary.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/x11/window−managers/xmonad.nix>

services.xserver.xautolock.enable

Whether to enable xautolock.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/x11/xautolock.nix>

services.xserver.xautolock.enableNotifier

Whether to enable the notifier feature of xautolock. This publishes a notification before the autolock.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/x11/xautolock.nix>

services.xserver.xautolock.extraOptions
Additional command−line arguments to pass to **xautolock**.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "−detectsleep"
]
```

Declared by:
<nixpkgs/nixos/modules/services/x11/xautolock.nix>

services.xserver.xautolock.killer
The script to use when nothing has happened for as long as **killtime**

Type: null or string

Default:

```
null
```

Example:

```
"/run/current−system/systemd/bin/systemctl suspend"
```

Declared by:
<nixpkgs/nixos/modules/services/x11/xautolock.nix>

services.xserver.xautolock.killtime
Minutes xautolock waits until it executes the script specified in **killer** (Has to be at least 10 minutes)

Type: signed integer

Default:

```
20
```

Declared by:
<nixpkgs/nixos/modules/services/x11/xautolock.nix>

services.xserver.xautolock.locker
The script to use when automatically locking the computer.

Type: string

Default:

```
"${pkgs.xlockmore}/bin/xlock"
```

Example:

```
"${pkgs.i3lock}/bin/i3lock −i /path/to/img"
```

Declared by:
<nixpkgs/nixos/modules/services/x11/xautolock.nix>

services.xserver.xautolock.notifier

Notification script to be used to warn about the pending autolock.

Type: null or string

Default:

```
null
```

Example:

```
"${pkgs.libnotify}/bin/notify-send 'Locking in 10 seconds'"
```

Declared by:

<nixpkgs/nixos/modules/services/x11/xautolock.nix>

services.xserver.xautolock.notify

Time (in seconds) before the actual lock when the notification about the pending lock should be published.

Type: signed integer

Default:

```
10
```

Declared by:

<nixpkgs/nixos/modules/services/x11/xautolock.nix>

services.xserver.xautolock.nowlocker

The script to use when manually locking the computer with **xautolock -locknow**.

Type: null or string

Default:

```
null
```

Example:

```
"${pkgs.i3lock}/bin/i3lock -i /path/to/img"
```

Declared by:

<nixpkgs/nixos/modules/services/x11/xautolock.nix>

services.xserver.xautolock.time

Idle time (in minutes) to wait until xautolock locks the computer.

Type: signed integer

Default:

```
15
```

Declared by:

<nixpkgs/nixos/modules/services/x11/xautolock.nix>

services.xserver.xkb.dir

Path used for -xkbdir xserver parameter.

Type: absolute path

Default:

```
"${pkgs.xkeyboard_config}/etc/X11/xkb"
```

Declared by:

<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.xkb.extraLayouts

Extra custom layouts that will be included in the xkb configuration. Information on how to create a new layout can be found here: **https://www.x.org/releases/current/doc/xorg−docs/input/XKB−Enhancing.html#Defining_New_Layouts**. For more examples see **https://wiki.archlinux.org/index.php/X_KeyBoard_extension#Basic_examples**

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  mine = {
    description = "My custom xkb layout.";
    languages = [ "eng" ];
    symbolsFile = /path/to/my/layout;
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/x11/extra−layouts.nix>

services.xserver.xkb.extraLayouts.<name>.compatFile

The path to the xkb compat file. This file sets the compatibility state, used to preserve compatibility with xkb−unaware programs. It must contain a ‘xkb_compat "name" { ... }’ block.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/x11/extra−layouts.nix>

services.xserver.xkb.extraLayouts.<name>.description

A short description of the layout.

Type: string

Declared by:

<nixpkgs/nixos/modules/services/x11/extra−layouts.nix>

services.xserver.xkb.extraLayouts.<name>.geometryFile

The path to the xkb geometry file. This (completely optional) file describes the physical layout of keyboard, which maybe be used by programs to depict it. It must contain a ‘xkb_geometry "name" { ... }’ block.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/x11/extra−layouts.nix>

services.xserver.xkb.extraLayouts.<name>.keycodesFile

The path to the xkb keycodes file. This file specifies the range and the interpretation of the raw keycodes sent by the keyboard. It must contain a ‘xkb_keycodes "name" { ... }’ block.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/x11/extra−layouts.nix>

services.xserver.xkb.extraLayouts.<name>.languages

A list of languages provided by the layout. (Use ISO 639−2 codes, for example: “eng” for english)

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/x11/extra−layouts.nix>

services.xserver.xkb.extraLayouts.<name>.symbolsFile

The path to the xkb symbols file. This is the most important file: it defines which symbol or action maps to each key and must contain a ‘xkb_symbols "name" { ... }’ block.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/x11/extra−layouts.nix>

services.xserver.xkb.extraLayouts.<name>.typesFile

The path to the xkb types file. This file specifies the key types that can be associated with the various keyboard keys. It must contain a ‘xkb_types "name" { ... }’ block.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/x11/extra−layouts.nix>

services.xserver.xkb.layout

X keyboard layout, or multiple keyboard layouts separated by commas.

Type: string

Default:

```
"us"
```

Declared by:

<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.xkb.model

X keyboard model.

Type: string

Default:

```
"pc104"
```

Example:

```
"presario"
```

Declared by:

<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.xkb.options

X keyboard options; layout switching goes here.

Type: strings concatenated with ","

Default:

```
"terminate:ctrl_alt_bksp"
```

Example:

```
"grp:caps_toggle,grp_led:scroll"
```

Declared by:

<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.xkb.variant

X keyboard variant.

Type: string

Default:

```
""
```

Example:

```
"colemak"
```

Declared by:

<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.xrandrHeads

Multiple monitor configuration, just specify a list of XRandR outputs. The individual elements should be either simple strings or an attribute set of output options.

If the element is a string, it is denoting the physical output for a monitor, if it's an attribute set, you must at least provide the **output** option.

The monitors will be mapped from left to right in the order of the list.

By default, the first monitor will be set as the primary monitor if none of the elements contain an option that has set **primary** to 'true'.

Note
Only one monitor is allowed to be primary.

Be careful using this option with multiple graphic adapters or with drivers that have poor support for XRandR, unexpected things might happen with those.

Type: list of ((submodule) or string convertible to it)

Default:

```
[ ]
```

Example:

```
[
  "HDMI-0"
  {
    output = "DVI-0";
    primary = true;
  }
  {
    monitorConfig = "Option \"Rotate\" \"left\"";
    output = "DVI-1";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.xrandrHeads.*.monitorConfig

Extra lines to append to the 'Monitor' section verbatim. Available options are documented in the MONITOR section in **xorg.conf**(5).

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
DisplaySize 408 306
Option "DPMS" "false"
```

Declared by:
<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.xrandrHeads.*.output

The output name of the monitor, as shown by **xrandr**(1) invoked without arguments.

Type: string

Example:

```
"DVI-0"
```

Declared by:
<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xserver.xrandrHeads.*.primary

Whether this head is treated as the primary monitor,

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/x11/xserver.nix>

services.xtreemfs.enable

Whether to enable XtreemFS.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/xtreemfs.nix>

services.xtreemfs.dir.enable

Whether to enable XtreemFS DIR service.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/xtreemfs.nix>

services.xtreemfs.dir.address

If specified, it defines the interface to listen on. If not specified, the service will listen on all interfaces (any).

Type: string

Default:

```
""
```

Example:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/xtreemfs.nix>

services.xtreemfs.dir.extraConfig

Configuration of XtreemFS DIR service. WARNING: configuration is saved as plaintext inside nix store. For more options: **https://www.xtreemfs.org/xtfs−guide−1.5.1/index.html**

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
  # specify whether SSL is required
  ssl.enabled = true
  ssl.service_creds.pw = passphrase
  ssl.service_creds.container = pkcs12
  ssl.service_creds = /etc/xos/xtreemfs/truststore/certs/dir.p12
  ssl.trusted_certs = /etc/xos/xtreemfs/truststore/certs/trusted.jk \
s
  ssl.trusted_certs.pw = jks_passphrase
  ssl.trusted_certs.container = jks
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/xtreemfs.nix>

services.xtreemfs.dir.httpPort
Specifies the listen port for the HTTP service that returns the status page.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
30638
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/xtreemfs.nix>

services.xtreemfs.dir.port
The port to listen on for incoming connections (TCP).

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
32638
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/xtreemfs.nix>

services.xtreemfs.dir.replication.enable
Whether to enable XtreemFS DIR replication plugin.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/xtreemfs.nix>

services.xtreemfs.dir.replication.extraConfig
Configuration of XtreemFS DIR replication plugin. WARNING: configuration is saved as plaintext inside nix store. For more options: **https://www.xtreemfs.org/xtfs−guide−1.5.1/index.html**

Type: strings concatenated with “\n”

Example:

```
  # participants of the replication including this replica
  babudb.repl.participant.0 = 192.168.0.10
  babudb.repl.participant.0.port = 35676
  babudb.repl.participant.1 = 192.168.0.11
  babudb.repl.participant.1.port = 35676
  babudb.repl.participant.2 = 192.168.0.12
  babudb.repl.participant.2.port = 35676

  # number of servers that at least have to be up to date
  # To have a fault−tolerant system, this value has to be set to t \
he
  # majority of nodes i.e., if you have three replicas, set this to \
 2
  # Please note that a setup with two nodes provides no fault−tole \
rance.
```

```
  babudb.repl.sync.n = 2

  # specify whether SSL is required
  babudb.ssl.enabled = true

  babudb.ssl.protocol = tlsv12

  # server credentials for SSL handshakes
  babudb.ssl.service_creds = /etc/xos/xtreemfs/truststore/certs/osd \
.p12
  babudb.ssl.service_creds.pw = passphrase
  babudb.ssl.service_creds.container = pkcs12

  # trusted certificates for SSL handshakes
  babudb.ssl.trusted_certs = /etc/xos/xtreemfs/truststore/certs/tru \
sted.jks
  babudb.ssl.trusted_certs.pw = jks_passphrase
  babudb.ssl.trusted_certs.container = jks

  babudb.ssl.authenticationWithoutEncryption = false
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/xtreemfs.nix>

services.xtreemfs.dir.syncMode

The sync mode influences how operations are committed to the disk log before the operation is acknowledged to the caller.

−ASYNC mode the writes to the disk log are buffered in memory by the operating system. This is the fastest mode but will lead to data loss in case of a crash, kernel panic or power failure. −SYNC_WRITE_METADATA opens the file with O_SYNC, the system will not buffer any writes. The operation will be acknowledged when data has been safely written to disk. This mode is slow but offers maximum data safety. However, BabuDB cannot influence the disk drive caches, this depends on the OS and hard disk model. −SYNC_WRITE similar to SYNC_WRITE_METADATA but opens file with O_DSYNC which means that only the data is commit to disk. This can lead to some data loss depending on the implementation of the underlying file system. Linux does not implement this mode. −FDATASYNC is similar to SYNC_WRITE but opens the file in asynchronous mode and calls fdatasync() after writing the data to disk. −FSYNC is similar to SYNC_WRITE_METADATA but opens the file in asynchronous mode and calls fsync() after writing the data to disk.

For best throughput use ASYNC, for maximum data safety use FSYNC.

(If xtreemfs.dir.replication.enable is true then FDATASYNC is forced)

Type: one of “ASYNC”, “SYNC_WRITE_METADATA”, “SYNC_WRITE”, “FDATASYNC”, “FSYNC”

Default:

```
"FSYNC"
```

Example:

```
"FDATASYNC"
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/xtreemfs.nix>

services.xtreemfs.dir.uuid

Must be set to a unique identifier, preferably a UUID according to RFC 4122. UUIDs can be generated with ‘uuidgen’ command, found in the ‘util−linux’ package.

Type: string

Example:

```
"eacb6bab−f444−4ebf−a06a−3f72d7465e40"
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/xtreemfs.nix>

services.xtreemfs.homeDir

XtreemFS home dir for the xtreemfs user.

Type: absolute path

Default:

```
"/var/lib/xtreemfs"
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/xtreemfs.nix>

services.xtreemfs.mrc.enable

Whether to enable XtreemFS MRC service.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/xtreemfs.nix>

services.xtreemfs.mrc.address

If specified, it defines the interface to listen on. If not specified, the service will listen on all interfaces (any).

Type: string

Default:

```
""
```

Example:

```
"127.0.0.1"
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/xtreemfs.nix>

services.xtreemfs.mrc.extraConfig

Configuration of XtreemFS MRC service. WARNING: configuration is saved as plaintext inside nix store. For more options: **https://www.xtreemfs.org/xtfs−guide−1.5.1/index.html**

Type: strings concatenated with “\n”

Example:

```
  osd_check_interval = 300
  no_atime = true
  local_clock_renewal = 0
  remote_time_sync = 30000
  authentication_provider = org.xtreemfs.common.auth.NullAuthProvid \
er
```

```
  # shared secret between the MRC and all OSDs
  capability_secret = iNG8UuQJrJ6XVDTe

  dir_service.host = 192.168.0.10
  dir_service.port = 32638

  # if replication is enabled
  dir_service.1.host = 192.168.0.11
  dir_service.1.port = 32638
  dir_service.2.host = 192.168.0.12
  dir_service.2.port = 32638

  # specify whether SSL is required
  ssl.enabled = true
  ssl.protocol = tlsv12
  ssl.service_creds.pw = passphrase
  ssl.service_creds.container = pkcs12
  ssl.service_creds = /etc/xos/xtreemfs/truststore/certs/mrc.p12
  ssl.trusted_certs = /etc/xos/xtreemfs/truststore/certs/trusted.jk \
s
  ssl.trusted_certs.pw = jks_passphrase
  ssl.trusted_certs.container = jks
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/xtreemfs.nix>

services.xtreemfs.mrc.httpPort

Specifies the listen port for the HTTP service that returns the status page.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
30636
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/xtreemfs.nix>

services.xtreemfs.mrc.port

The port to listen on for incoming connections (TCP).

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
32636
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/xtreemfs.nix>

services.xtreemfs.mrc.replication.enable

Whether to enable XtreemFS MRC replication plugin.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/xtreemfs.nix>

services.xtreemfs.mrc.replication.extraConfig

Configuration of XtreemFS MRC replication plugin. WARNING: configuration is saved as plaintext inside nix store. For more options: **https://www.xtreemfs.org/xtfs−guide−1.5.1/index.html**

Type: strings concatenated with "\n"

Example:

```
  # participants of the replication including this replica
  babudb.repl.participant.0 = 192.168.0.10
  babudb.repl.participant.0.port = 35678
  babudb.repl.participant.1 = 192.168.0.11
  babudb.repl.participant.1.port = 35678
  babudb.repl.participant.2 = 192.168.0.12
  babudb.repl.participant.2.port = 35678

  # number of servers that at least have to be up to date
  # To have a fault−tolerant system, this value has to be set to t \
he
  # majority of nodes i.e., if you have three replicas, set this to \
 2
  # Please note that a setup with two nodes provides no fault−tole \
rance.
  babudb.repl.sync.n = 2

  # specify whether SSL is required
  babudb.ssl.enabled = true

  babudb.ssl.protocol = tlsv12

  # server credentials for SSL handshakes
  babudb.ssl.service_creds = /etc/xos/xtreemfs/truststore/certs/osd \
.p12
  babudb.ssl.service_creds.pw = passphrase
  babudb.ssl.service_creds.container = pkcs12

  # trusted certificates for SSL handshakes
  babudb.ssl.trusted_certs = /etc/xos/xtreemfs/truststore/certs/tru \
sted.jks
  babudb.ssl.trusted_certs.pw = jks_passphrase
  babudb.ssl.trusted_certs.container = jks

  babudb.ssl.authenticationWithoutEncryption = false
```

Declared by:

<nixpkgs/nixos/modules/services/network−filesystems/xtreemfs.nix>

services.xtreemfs.mrc.syncMode

The sync mode influences how operations are committed to the disk log before the operation is acknowledged to the caller.

−ASYNC mode the writes to the disk log are buffered in memory by the operating system. This is the fastest mode but will lead to data loss in case of a crash, kernel panic or power failure. −SYNC_WRITE_METADATA opens the file with O_SYNC, the system will not buffer any writes. The

operation will be acknowledged when data has been safely written to disk. This mode is slow but offers maximum data safety. However, BabuDB cannot influence the disk drive caches, this depends on the OS and hard disk model. −SYNC_WRITE similar to SYNC_WRITE_METADATA but opens file with O_DSYNC which means that only the data is commit to disk. This can lead to some data loss depending on the implementation of the underlying file system. Linux does not implement this mode. −FDATASYNC is similar to SYNC_WRITE but opens the file in asynchronous mode and calls fdatasync() after writing the data to disk. −FSYNC is similar to SYNC_WRITE_METADATA but opens the file in asynchronous mode and calls fsync() after writing the data to disk.

For best throughput use ASYNC, for maximum data safety use FSYNC.

(If xtreemfs.mrc.replication.enable is true then FDATASYNC is forced)

Type: one of “ASYNC”, “SYNC_WRITE_METADATA”, “SYNC_WRITE”, “FDATASYNC”, “FSYNC”

Default:

```
"FSYNC"
```

Example:

```
"FDATASYNC"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/xtreemfs.nix>

services.xtreemfs.mrc.uuid
Must be set to a unique identifier, preferably a UUID according to RFC 4122. UUIDs can be generated with ‘uuidgen’ command, found in the ‘util−linux’ package.

Type: string

Example:

```
"eacb6bab−f444−4ebf−a06a−3f72d7465e41"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/xtreemfs.nix>

services.xtreemfs.osd.enable
Whether to enable XtreemFS OSD service.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/xtreemfs.nix>

services.xtreemfs.osd.address
If specified, it defines the interface to listen on. If not specified, the service will listen on all interfaces (any).

Type: string

Default:

```
""
```

Example:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/xtreemfs.nix>

services.xtreemfs.osd.extraConfig
Configuration of XtreemFS OSD service. WARNING: configuration is saved as plaintext inside nix store. For more options: **https://www.xtreemfs.org/xtfs−guide−1.5.1/index.html**

Type: strings concatenated with "\n"

Example:

```
local_clock_renewal = 0
remote_time_sync = 30000
report_free_space = true
capability_secret = iNG8UuQJrJ6XVDTe

dir_service.host = 192.168.0.10
dir_service.port = 32638

# if replication is used
dir_service.1.host = 192.168.0.11
dir_service.1.port = 32638
dir_service.2.host = 192.168.0.12
dir_service.2.port = 32638

# specify whether SSL is required
ssl.enabled = true
ssl.service_creds.pw = passphrase
ssl.service_creds.container = pkcs12
ssl.service_creds = /etc/xos/xtreemfs/truststore/certs/osd.p12
ssl.trusted_certs = /etc/xos/xtreemfs/truststore/certs/trusted.jk \
s
ssl.trusted_certs.pw = jks_passphrase
ssl.trusted_certs.container = jks
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/xtreemfs.nix>

services.xtreemfs.osd.httpPort
Specifies the listen port for the HTTP service that returns the status page.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
30640
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/xtreemfs.nix>

services.xtreemfs.osd.port
The port to listen on for incoming connections (TCP and UDP).

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
32640
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/xtreemfs.nix>

services.xtreemfs.osd.uuid
Must be set to a unique identifier, preferably a UUID according to RFC 4122. UUIDs can be generated with ‘uuidgen’ command, found in the ‘util−linux’ package.

Type: string

Example:

```
"eacb6bab−f444−4ebf−a06a−3f72d7465e42"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/xtreemfs.nix>

services.yandex−disk.enable
Whether to enable Yandex−disk client. See **https://disk.yandex.ru/**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/yandex−disk.nix>

services.yandex−disk.directory
The directory to use for Yandex.Disk storage

Type: absolute path

Default:

```
"/home/Yandex.Disk"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/yandex−disk.nix>

services.yandex−disk.excludes
Comma−separated list of directories which are excluded from synchronization.

Type: strings concatenated with “,”

Default:

```
""
```

Example:

```
"data,backup"
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/yandex−disk.nix>

services.yandex−disk.password
Your yandex.com password. Warning: it will be world−readable in /nix/store.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/yandex−disk.nix>

services.yandex−disk.user
The user the yandex−disk daemon should run as.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/yandex−disk.nix>

services.yandex−disk.username
Your yandex.com login name.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/network−filesystems/yandex−disk.nix>

services.yarr.enable
Whether to enable Yet another rss reader.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/yarr.nix>

services.yarr.package
The yarr package to use.

Type: package

Default:

```
pkgs.yarr
```

Declared by:
<nixpkgs/nixos/modules/services/misc/yarr.nix>

services.yarr.address
Address to run server on.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/yarr.nix>

services.yarr.authFilePath

Path to a file containing username:password. ‘null’ means no authentication required to use the service.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/misc/yarr.nix>

services.yarr.baseUrl

Base path of the service url.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/misc/yarr.nix>

services.yarr.environmentFile

Environment file for specifying additional settings such as secrets.

See ‘yarr −help’ for all available options.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/misc/yarr.nix>

services.yarr.port

Port to run server on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
7070
```

Declared by:

<nixpkgs/nixos/modules/services/misc/yarr.nix>

services.yggdrasil.enable

Whether to enable the yggdrasil system service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/yggdrasil.nix>

services.yggdrasil.package

The yggdrasil package to use.

Type: package

Default:

```
pkgs.yggdrasil
```

Declared by:

<nixpkgs/nixos/modules/services/networking/yggdrasil.nix>

services.yggdrasil.denyDhcpcdInterfaces

Disable the DHCP client for any interface whose name matches any of the shell glob patterns in this list. Use this option to prevent the DHCP client from broadcasting requests on the yggdrasil network. It is only necessary to do so when yggdrasil is running in TAP mode, because TUN interfaces do not support broadcasting.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "tap*"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/yggdrasil.nix>

services.yggdrasil.extraArgs

Extra command line arguments.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-loglevel"
  "info"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/yggdrasil.nix>

services.yggdrasil.group

Group to grant access to the Yggdrasil control socket. If ‘null’, only root can access the socket.

Type: null or string

Default:

```
null
```

Example:

```
"wheel"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/yggdrasil.nix>

services.yggdrasil.openMulticastPort
Whether to open the UDP port used for multicast peer discovery. The NixOS firewall blocks link−local communication, so in order to make incoming local peering work you will also need to configure 'MulticastInterfaces' in your Yggdrasil configuration (**settings**). You will then have to add the ports that you configure there to your firewall configuration (**networking.firewall.allowedTCPPorts** or **networking.firewall.interfaces.<name>.allowedTCPPorts**).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/yggdrasil.nix>

services.yggdrasil.persistentKeys
Whether to enable automatic generation and persistence of keys. If enabled, a private key will be generated on first startup and stored at /var/lib/yggdrasil/private.pem. This ensures the Yggdrasil node retains the same IPv6 address across reboots.

If you have existing keys from a previous installation (in the old keys.json format at /var/lib/yggdrasil/keys.json), they will be automatically migrated to the new PEM format on first startup.

Note: This option is mutually exclusive with **settings.PrivateKeyPath**. If you want to use externally managed keys, use **settings.PrivateKeyPath** instead .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/yggdrasil.nix>

services.yggdrasil.settings
Configuration for yggdrasil, as a structured Nix attribute set.

If you specify settings here, they will be used as persistent configuration and Yggdrasil will retain the same configuration (including IPv6 address if keys are provided) across restarts.

If no settings are specified, ephemeral keys are generated and the Yggdrasil interface will have a random IPv6 address each time the service is started.

Use **settings.PrivateKeyPath** to securely load private keys from files owned by root via systemd credentials.

The most important options have dedicated NixOS options above. You can also specify any other yggdrasil configuration option directly.

For a complete list of available options, see: https://yggdrasil−network.github.io/configurationref.html

You can use the command 'nix−shell −p yggdrasil −−run "yggdrasil −genconf"' to generate default configuration values with documentation.

Type: open submodule of (JSON value)

Default:

```
{ }
```

Example:

```
{
  IfMTU = 65535;
  IfName = "ygg0";
  Listen = [
    "tcp://0.0.0.0:xxxxx"
  ];
  Peers = [
    "tcp://aa.bb.cc.dd:eeeee"
    "tcp://[aaaa:bbbb:cccc:dddd::eeee]:fffff"
  ];
  PrivateKeyPath = "/run/secrets/yggdrasil-key";
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/yggdrasil.nix>

services.yggdrasil.settings.AllowedPublicKeys

List of peer public keys to allow incoming peering connections from. If left empty, all connections are allowed by default.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/yggdrasil.nix>

services.yggdrasil.settings.Listen

Listen addresses for incoming connections. You need listeners to accept incoming peerings from non-local nodes.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "tcp://0.0.0.0:xxxxx"
  "tls://[::]:yyyyy"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/yggdrasil.nix>

services.yggdrasil.settings.Peers

List of outbound peer connection strings. Connection strings can contain options, see the yggdrasil documentation.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
```

```
    "tcp://aa.bb.cc.dd:eeeee"
    "tcp://[aaaa:bbbb:cccc:dddd::eeee]:fffff"
  ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/yggdrasil.nix>

services.yggdrasil.settings.PrivateKeyPath
Path to the private key file on the host system. When specified, the key will be loaded via systemd credentials for secure access by the yggdrasil service.

Warning: Do not put private keys directly in the Nix store as they would be world−readable!

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/secrets/yggdrasil-private-key"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/yggdrasil.nix>

services.yggdrasil−jumper.enable
Whether to enable the Yggdrasil Jumper system service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/yggdrasil−jumper.nix>

services.yggdrasil−jumper.package
The yggdrasil−jumper package to use.

Type: package

Default:

```
pkgs.yggdrasil-jumper
```

Declared by:
<nixpkgs/nixos/modules/services/networking/yggdrasil−jumper.nix>

services.yggdrasil−jumper.appendListenAddresses
Append Yggdrasil router configuration with listeners on loopback addresses (‘127.0.0.1’) and preselected ports to support peering using client−server protocols like ‘quic’ and ‘tls’.

See ‘Listen’ option in Yggdrasil router configuration.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/yggdrasil−jumper.nix>

services.yggdrasil−jumper.detectWireguard
Control whether ‘settings.wireguard = true’ should automatically provide CAP_NET_ADMIN capability and make the necessary packages available to Yggdrasil Jumper service.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/yggdrasil−jumper.nix>

services.yggdrasil−jumper.extraArgs
Extra command line arguments for Yggdrasil Jumper.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/yggdrasil−jumper.nix>

services.yggdrasil−jumper.extraConfig
Configuration for Yggdrasil Jumper in plaintext.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
listen_port = 9999;
whitelist = [
  "<IPv6 address of a remote node>"
];
```

Declared by:
<nixpkgs/nixos/modules/services/networking/yggdrasil−jumper.nix>

services.yggdrasil−jumper.logLevel
Set logging verbosity for Yggdrasil Jumper.

Type: one of “off”, “error”, “warn”, “info”, “debug”, “trace”

Default:

```
"info"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/yggdrasil−jumper.nix>

services.yggdrasil−jumper.retrieveListenAddresses
Automatically retrieve listen addresses from the Yggdrasil router configuration.

See ‘yggdrasil_listen’ option in Yggdrasil Jumper configuration.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/yggdrasil−jumper.nix>

services.yggdrasil−jumper.settings
Configuration for Yggdrasil Jumper as a Nix attribute set.

Type: TOML value

Default:

```
{ }
```

Example:

```
{
  listen_port = 9999;
  whitelist = [
    "<IPv6 address of a remote node>"
  ];
  wireguard = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/yggdrasil−jumper.nix>

services.ympd.enable
Whether to enable ympd, the MPD Web GUI.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/audio/ympd.nix>

services.ympd.mpd.host
The host where MPD is listening.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/audio/ympd.nix>

services.ympd.mpd.port
The port where MPD is listening.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
config.services.mpd.settings.port
```

Example:

```
6600
```

Declared by:
<nixpkgs/nixos/modules/services/audio/ympd.nix>

services.ympd.webPort
The port where ympd's web interface will be available.

Type: string or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
"8080"
```

Example:

```
"ssl://8080:/path/to/ssl-private-key.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/audio/ympd.nix>

services.your_spotify.enable
Whether to enable your_spotify.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/your_spotify.nix>

services.your_spotify.enableLocalDB
Whether to enable a local mongodb instance.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/your_spotify.nix>

services.your_spotify.package
The your_spotify package to use.

Type: package

Default:

```
pkgs.your_spotify
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/your_spotify.nix>

services.your_spotify.clientPackage
Client package to use.

Type: package

Declared by:
<nixpkgs/nixos/modules/services/web−apps/your_spotify.nix>

services.your_spotify.nginxVirtualHost
If set creates an nginx virtual host for the client. In most cases this should be the CLIENT_ENDPOINT without protocol prefix.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/your_spotify.nix>

services.your_spotify.settings
Your Spotify Configuration. Refer to **Your Spotify** for definitions and values.

Type: open submodule of attribute set of string

Example:

```
{
  CLIENT_ENDPOINT = "https://example.com";
  API_ENDPOINT = "https://api.example.com";
  SPOTIFY_PUBLIC = "spotify_client_id";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/your_spotify.nix>

services.your_spotify.settings.API_ENDPOINT
The endpoint of your server This api has to be reachable from the device you use the website from not from the server. This means that for example you may need two nginx virtual hosts if you want to expose this on the internet. Has to include a protocol Prefix (e.g. ‘http://’)

Type: string

Example:

```
"https://localhost:3000"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/your_spotify.nix>

services.your_spotify.settings.CLIENT_ENDPOINT
The endpoint of your web application. Has to include a protocol Prefix (e.g. ‘http://’)

Type: string

Example:

```
"https://your_spotify.example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/your_spotify.nix>

services.your_spotify.settings.MONGO_ENDPOINT
The endpoint of the Mongo database.

Type: string

Default:

```
"mongodb://localhost:27017/your_spotify"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/your_spotify.nix>

services.your_spotify.settings.PORT
The port of the api server

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/your_spotify.nix>

services.your_spotify.settings.SPOTIFY_PUBLIC
The public client ID of your Spotify application. Refer to: **Creating the Spotify Application**

Type: string

Declared by:
<nixpkgs/nixos/modules/services/web−apps/your_spotify.nix>

services.your_spotify.spotifySecretFile
A file containing the secret key of your Spotify application. Refer to: **Creating the Spotify Application**.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/web−apps/your_spotify.nix>

services.youtrack.enable
Whether to enable YouTrack service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/youtrack.nix>

services.youtrack.package
The youtrack package to use.

Type: package

Default:

```
pkgs.youtrack
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/youtrack.nix>

services.youtrack.address
The interface youtrack will listen on.

Type: string

Default:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/youtrack.nix>

services.youtrack.autoUpgrade
Whether YouTrack should auto upgrade it without showing the upgrade dialog.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/youtrack.nix>

services.youtrack.environmentalParameters
Environmental configuration parameters, set imperatively. The values doesn't get removed, when removed in Nix. See **https://www.jetbrains.com/help/youtrack/server/2023.3/youtrack−java−start−parameters.html#environmental−parameters** for more information.

Type: open submodule of attribute set of (signed integer or string or 16 bit unsigned integer; between 0 and 65535 (both inclusive))

Default:

```
{ }
```

Example:

```
{
  secure-mode = "tls";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/youtrack.nix>

services.youtrack.environmentalParameters.listen−address
The interface YouTrack will listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/youtrack.nix>

services.youtrack.environmentalParameters.listen−port
The port YouTrack will listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/youtrack.nix>

services.youtrack.generalParameters
General configuration parameters and other JVM options. See **https://www.jetbrains.com/help/youtrack/server/2023.3/youtrack−java−start−parameters.html#general−parameters** for more information.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-Djetbrains.youtrack.admin.restore=true"
  "-Xmx1024m"
];
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/youtrack.nix>

services.youtrack.statePath
Path were the YouTrack state is stored. To this path the base version (e.g. 2023_1) of the used package will be appended.

Type: absolute path

Default:

```
"/var/lib/youtrack"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/youtrack.nix>

services.youtrack.virtualHost
Name of the nginx virtual host to use and setup. If null, do not setup anything.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/youtrack.nix>

services.ytdl-sub.package
The ytdl-sub package to use.

Type: package

Default:

```
pkgs.ytdl-sub
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ytdl-sub.nix>

services.ytdl-sub.group
Group under which ytdl-sub runs.

Type: string

Default:

```
"ytdl-sub"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ytdl-sub.nix>

services.ytdl-sub.instances
Configuration for ytdl-sub instances.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ytdl−sub.nix>

services.ytdl−sub.instances.<name>.enable
Whether to enable ytdl−sub instance.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ytdl−sub.nix>

services.ytdl−sub.instances.<name>.config
Configuration for ytdl−sub. See **https://ytdl−sub.readthedocs.io/en/latest/config_reference/config_yaml.html** for more information.

Type: YAML 1.1 value

Default:

```
{ }
```

Example:

```
{
  presets = {
    "YouTube Playlist" = {
      download = "{subscription_value}";
      output_options = {
        file_name = "{channel}/{playlist_title}/{playlist_index_pad \
ded}_{title}.{ext}";
        maintain_download_archive = true;
        output_directory = "YouTube";
      };
    };
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ytdl−sub.nix>

services.ytdl−sub.instances.<name>.readWritePaths
List of paths that ytdl−sub can write to.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/ytdl−sub.nix>

services.ytdl−sub.instances.<name>.schedule

How often to run ytdl−sub. See **systemd.time**(7) for the format.

Type: null or string

Default:

```
null
```

Example:

```
"0/6:0"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/ytdl−sub.nix>

services.ytdl−sub.instances.<name>.subscriptions

Subscriptions for ytdl−sub. See **https://ytdl−sub.readthedocs.io/en/latest/config_reference/subscription_yaml.html** for more information.

Type: YAML 1.1 value

Default:

```
{ }
```

Example:

```
{
  "YouTube Playlist" = {
    "Some Playlist" = "https://www.youtube.com/playlist?list=...";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/misc/ytdl−sub.nix>

services.ytdl−sub.user

User account under which ytdl−sub runs.

Type: string

Default:

```
"ytdl−sub"
```

Declared by:

<nixpkgs/nixos/modules/services/misc/ytdl−sub.nix>

services.yubikey−agent.enable

Whether to start yubikey−agent when you log in. Also sets SSH_AUTH_SOCK to point at yubikey−agent.

Note that yubikey−agent will use whatever pinentry is specified in programs.gnupg.agent.pinentryPackage.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/security/yubikey−agent.nix>

services.yubikey−agent.package
The yubikey−agent package to use.

Type: package

Default:

```
pkgs.yubikey−agent
```

Declared by:
<nixpkgs/nixos/modules/services/security/yubikey−agent.nix>

services.zabbixAgent.enable
Whether to enable the Zabbix Agent.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/zabbix−agent.nix>

services.zabbixAgent.package
The agent package to use.

Type: package

Default:

```
pkgs.zabbix.agent
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/zabbix−agent.nix>

services.zabbixAgent.extraPackages
Packages to be added to the Zabbix **PATH**. Typically used to add executables for scripts, but can be anything.

Type: list of package

Default:

```
with pkgs; [ net−tools ]
```

Example:

```
with pkgs; [ net−tools mysql ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/zabbix−agent.nix>

services.zabbixAgent.listen.ip
List of comma delimited IP addresses that the agent should listen on.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/zabbix−agent.nix>

services.zabbixAgent.listen.port

Agent will listen on this port for connections from the server.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
10050
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/zabbix-agent.nix>

services.zabbixAgent.modules

A set of modules to load.

Type: attribute set of package

Default:

```
{ }
```

Example:

```
{
  "dummy.so" = pkgs.stdenv.mkDerivation {
    name = "zabbix-dummy-module-${cfg.package.version}";
    src = cfg.package.src;
    buildInputs = [ cfg.package ];
    sourceRoot = "zabbix-${cfg.package.version}/src/modules/dummy" \
;
    installPhase = ''
      mkdir -p $out/lib
      cp dummy.so $out/lib/
    '';
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/zabbix-agent.nix>

services.zabbixAgent.openFirewall

Open ports in the firewall for the Zabbix Agent.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/zabbix-agent.nix>

services.zabbixAgent.server

The IP address or hostname of the Zabbix server to connect to.

Type: string

Declared by:

<nixpkgs/nixos/modules/services/monitoring/zabbix-agent.nix>

services.zabbixAgent.settings

Zabbix Agent configuration. Refer to **https://www.zabbix.com/documentation/current/manual/appendix/config/zabbix_agentd** for details on supported values.

Type: attribute set of (signed integer or string or list of string)

Default:

```
{ }
```

Example:

```
{
  DebugLevel = 4;
  Hostname = "example.org";
}
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/zabbix-agent.nix>

services.zabbixProxy.enable

Whether to enable the Zabbix Proxy.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/zabbix-proxy.nix>

services.zabbixProxy.package

The Zabbix package to use.

Type: package

Default:

```
pkgs.zabbix.proxy-pgsql
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/zabbix-proxy.nix>

services.zabbixProxy.database.createLocally

Whether to create a local database automatically.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/monitoring/zabbix-proxy.nix>

services.zabbixProxy.database.host

Database host address.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/zabbix-proxy.nix>

services.zabbixProxy.database.name
Database name.

Type: string

Default:

```
zabbix
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/zabbix-proxy.nix>

services.zabbixProxy.database.passwordFile
A file containing the password corresponding to **database.user**.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/zabbix-dbpassword"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/zabbix-proxy.nix>

services.zabbixProxy.database.port
Database host port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
if config.services.zabbixProxy.database.type == "mysql"
then config.services.mysql.port
else config.services.postgresql.settings.port
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/zabbix-proxy.nix>

services.zabbixProxy.database.socket
Path to the unix socket file to use for authentication.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/postgresql"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/zabbix-proxy.nix>

services.zabbixProxy.database.type
Database engine to use.

Type: one of “mysql”, “pgsql”, “sqlite”

Default:

```
"pgsql"
```

Example:

```
"mysql"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/zabbix-proxy.nix>

services.zabbixProxy.database.user
Database user.

Type: string

Default:

```
"zabbix"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/zabbix-proxy.nix>

services.zabbixProxy.extraPackages
Packages to be added to the Zabbix **PATH**. Typically used to add executables for scripts, but can be anything.

Type: list of package

Default:

```
[ net-tools nmap traceroute ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/zabbix-proxy.nix>

services.zabbixProxy.listen.ip
List of comma delimited IP addresses that the trapper should listen on. Trapper will listen on all network interfaces if this parameter is missing.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/zabbix-proxy.nix>

services.zabbixProxy.listen.port
Listen port for trapper.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
10051
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/zabbix-proxy.nix>

services.zabbixProxy.modules
A set of modules to load.

Type: attribute set of package

Default:

```
{ }
```

Example:

```
{
  "dummy.so" = pkgs.stdenv.mkDerivation {
```

```
            name = "zabbix-dummy-module-${cfg.package.version}";
            src = cfg.package.src;
            buildInputs = [ cfg.package ];
            sourceRoot = "zabbix-${cfg.package.version}/src/modules/dummy" \
          ;
            installPhase = ''
              mkdir -p $out/lib
              cp dummy.so $out/lib/
            '';
          };
        }
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/zabbix-proxy.nix>

services.zabbixProxy.openFirewall
Open ports in the firewall for the Zabbix Proxy.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/zabbix-proxy.nix>

services.zabbixProxy.server
The IP address or hostname of the Zabbix server to connect to.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/monitoring/zabbix-proxy.nix>

services.zabbixProxy.settings
Zabbix Proxy configuration. Refer to **https://www.zabbix.com/documentation/current/manual/appendix/config/zabbix_proxy** for details on supported values.

Type: attribute set of (signed integer or string or list of string)

Default:

```
{ }
```

Example:

```
{
  CacheSize = "1G";
  SSHKeyLocation = "/var/lib/zabbix/.ssh";
  StartPingers = 32;
}
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/zabbix-proxy.nix>

services.zabbixServer.enable
Whether to enable the Zabbix Server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/zabbix-server.nix>

services.zabbixServer.package
The Zabbix package to use.

Type: package

Default:

```
pkgs.zabbix.server-pgsql
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/zabbix-server.nix>

services.zabbixServer.database.createLocally
Whether to create a local database automatically.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/zabbix-server.nix>

services.zabbixServer.database.host
Database host address.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/zabbix-server.nix>

services.zabbixServer.database.name
Database name.

Type: string

Default:

```
"zabbix"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/zabbix-server.nix>

services.zabbixServer.database.passwordFile
A file containing the password corresponding to **database.user**.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/zabbix-dbpassword"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/zabbix-server.nix>

services.zabbixServer.database.port
Database host port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
if config.services.zabbixServer.database.type == "mysql"
then config.services.mysql.port
else config.services.postgresql.settings.port
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/zabbix-server.nix>

services.zabbixServer.database.socket
Path to the unix socket file to use for authentication.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/postgresql"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/zabbix-server.nix>

services.zabbixServer.database.type
Database engine to use.

Type: one of “mysql”, “pgsql”

Default:

```
"pgsql"
```

Example:

```
"mysql"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/zabbix-server.nix>

services.zabbixServer.database.user
Database user.

Type: string

Default:

```
"zabbix"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/zabbix-server.nix>

services.zabbixServer.extraPackages
Packages to be added to the Zabbix **PATH**. Typically used to add executables for scripts, but can be anything.

Type: list of package

Default:

```
[ net-tools nmap traceroute ]
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/zabbix−server.nix>

services.zabbixServer.listen.ip
List of comma delimited IP addresses that the trapper should listen on. Trapper will listen on all network interfaces if this parameter is missing.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/zabbix−server.nix>

services.zabbixServer.listen.port
Listen port for trapper.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
10051
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/zabbix−server.nix>

services.zabbixServer.modules
A set of modules to load.

Type: attribute set of package

Default:

```
{ }
```

Example:

```
{
  "dummy.so" = pkgs.stdenv.mkDerivation {
    name = "zabbix−dummy−module−${cfg.package.version}";
    src = cfg.package.src;
    buildInputs = [ cfg.package ];
    sourceRoot = "zabbix−${cfg.package.version}/src/modules/dummy" \
;
    installPhase = ''
      mkdir −p $out/lib
      cp dummy.so $out/lib/
    '';
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/zabbix−server.nix>

services.zabbixServer.openFirewall
Open ports in the firewall for the Zabbix Server.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/zabbix−server.nix>

services.zabbixServer.settings
Zabbix Server configuration. Refer to **https://www.zabbix.com/documentation/current/manual/appendix/config/zabbix_server** for details on supported values.

Type: attribute set of (signed integer or string or list of string)

Default:

```
{ }
```

Example:

```
{
  CacheSize = "1G";
  SSHKeyLocation = "/var/lib/zabbix/.ssh";
  StartPingers = 32;
}
```

Declared by:
<nixpkgs/nixos/modules/services/monitoring/zabbix−server.nix>

services.zabbixWeb.enable
Whether to enable the Zabbix web interface.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.package
The web package to use.

Type: package

Default:

```
pkgs.zabbix.web
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.database.host
Database host address.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.database.name
Database name.

Type: string

Default:

```
"zabbix"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.database.passwordFile
A file containing the password corresponding to **database.user**.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/zabbix−dbpassword"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.database.port
Database host port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
if config.services.zabbixWeb.database.type == "mysql" then config.s \
ervices.mysql.port
else if config.services.zabbixWeb.database.type == "pgsql" then con \
fig.services.postgresql.settings.port
else 1521
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.database.socket
Path to the unix socket file to use for authentication.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/postgresql"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.database.type
Database engine to use.

Type: one of “mysql”, “pgsql”, “oracle”

Default:

```
"pgsql"
```

Example:

```
"mysql"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.database.user
Database user.

Type: string

Default:

```
"zabbix"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.extraConfig
Additional configuration to be copied verbatim into *zabbix.conf.php*.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.frontend
Frontend server to use.

Type: one of “nginx”, “httpd”

Default:

```
"httpd"
```

Example:

```
"nginx"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.hostname
Hostname for either nginx or httpd.

Type: string

Default:

```
"zabbix.local"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.httpd.virtualHost
Apache configuration can be done by adapting ‘services.httpd.virtualHosts.<name>’. See **services.httpd.virtualHosts** for further information.

Type: submodule

Default:

```
{ }
```

Example:

```
{
```

```
  hostName = "zabbix.example.org";
  adminAddr = "webmaster@example.org";
  forceSSL = true;
  enableACME = true;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.httpd.virtualHost.enableACME
Whether to ask Let's Encrypt to sign a certificate for this vhost. Alternately, you can use an existing certificate through **useACMEHost**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.httpd.virtualHost.enableUserDir
Whether to enable serving *~/public_html* as '/~«username»'.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.httpd.virtualHost.acmeRoot
Directory for the acme challenge which is PUBLIC, don't put certs or keys in here. Set to null to inherit from config.security.acme.

Type: null or string

Default:

```
"/var/lib/acme/acme−challenge"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.httpd.virtualHost.addSSL
Whether to enable HTTPS in addition to plain HTTP. This will set defaults for 'listen' to listen on all interfaces on the respective default ports (80, 443).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.httpd.virtualHost.adminAddr
E−mail address of the server administrator.

Type: null or string

Default:

```
null
```

Example:

```
"admin@example.org"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.httpd.virtualHost.documentRoot

The path of Apache's document root directory. If left undefined, an empty directory in the Nix store will be used as root.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/data/webserver/docs"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.httpd.virtualHost.extraConfig

These lines go to httpd.conf verbatim. They will go after directories and directory aliases defined by default.

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
<Directory /home>
  Options FollowSymlinks
  AllowOverride All
</Directory>
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.httpd.virtualHost.forceSSL

Whether to add a separate nginx server block that permanently redirects (301) all plain HTTP traffic to HTTPS. This will set defaults for 'listen' to listen on all interfaces on the respective default ports (80, 443), where the non−SSL listens are used for the redirect vhosts.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.httpd.virtualHost.globalRedirect

If set, all requests for this host are redirected permanently to the given URL.

Type: null or string

Default:

```
null
```

Example:

```
"http://newserver.example.org/"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.httpd.virtualHost.hostName

Canonical hostname for the server.

Type: string

Default:

```
"‹name›"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.httpd.virtualHost.http2

Whether to enable HTTP 2. HTTP/2 is supported in all multi−processing modules that come with httpd. *However, if you use the prefork mpm, there will be severe restrictions.* Refer to **https://httpd.apache.org/docs/2.4/howto/http2.html#mpm−config** for details.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.httpd.virtualHost.listen

Listen addresses and ports for this virtual host.

Note

This option overrides ‘addSSL’, ‘forceSSL’ and ‘onlySSL’.

If you only want to set the addresses manually and not the ports, take a look at ‘listenAddresses’.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    ip = "195.154.1.1";
    port = 443;
    ssl = true;
  }
  {
    ip = "192.154.1.1";
    port = 80;
  }
  {
    ip = "*";
    port = 8080;
  }
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.httpd.virtualHost.listen.*.ip
IP to listen on. 0.0.0.0 for IPv4 only, * for all.

Type: string

Default:

```
"*"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.httpd.virtualHost.listen.*.port
Port to listen on

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.httpd.virtualHost.listen.*.ssl
Whether to enable SSL (https) support.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.httpd.virtualHost.listenAddresses
Listen addresses for this virtual host. Compared to ‘listen’ this only sets the addresses and the ports are chosen automatically.

Type: non−empty (list of string)

Default:

```
[
  "*"
]
```

Example:

```
[
  "127.0.0.1"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.httpd.virtualHost.locations
Declarative location config. See **https://httpd.apache.org/docs/2.4/mod/core.html#location** for details.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "/" = {
```

```
      proxyPass = "http://localhost:3000";
    };
    "/foo/bar.png" = {
      alias = "/home/eelco/some-file.png";
    };
  };
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/zabbix.nix>

services.zabbixWeb.httpd.virtualHost.locations.<name>.alias
Alias directory for requests. See **https://httpd.apache.org/docs/2.4/mod/mod_alias.html#alias**.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/alias/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/zabbix.nix>

services.zabbixWeb.httpd.virtualHost.locations.<name>.extraConfig
These lines go to the end of the location verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/zabbix.nix>

services.zabbixWeb.httpd.virtualHost.locations.<name>.index
Adds DirectoryIndex directive. See **https://httpd.apache.org/docs/2.4/mod/mod_dir.html#directoryindex**.

Type: null or string

Default:

```
null
```

Example:

```
"index.php index.html"
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/zabbix.nix>

services.zabbixWeb.httpd.virtualHost.locations.<name>.priority
Order of this location block in relation to the others in the vhost. The semantics are the same as with ‘lib.mkOrder’. Smaller values have a greater priority.

Type: signed integer

Default:

```
1000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.httpd.virtualHost.locations.<name>.proxyPass
Sets up a simple reverse proxy as described by **https://httpd.apache.org/docs/2.4/howto/reverse_proxy.html#simple**.

Type: null or string

Default:

```
null
```

Example:

```
"http://www.example.org/"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.httpd.virtualHost.logFormat
Log format for Apache's log files. Possible values are: combined, common, referer, agent.

Type: string

Default:

```
"common"
```

Example:

```
"combined"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.httpd.virtualHost.onlySSL
Whether to enable HTTPS and reject plain HTTP connections. This will set defaults for 'listen' to listen on all interfaces on port 443.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.httpd.virtualHost.robotsEntries
Specification of pages to be ignored by web crawlers. See **http://www.robotstxt.org/** for details.

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
"Disallow: /foo/"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.httpd.virtualHost.servedDirs

This option provides a simple way to serve static directories.

Type: list of (attribute set)

Default:

```
[ ]
```

Example:

```
[
  {
    dir = "/home/eelco/Dev/nix-homepage";
    urlPath = "/nix";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/zabbix.nix>

services.zabbixWeb.httpd.virtualHost.servedFiles

This option provides a simple way to serve individual, static files.

Note

This option has been deprecated and will be removed in a future version of NixOS. You can achieve the same result by making use of the ‘locations.<name>.alias’ option.

Type: list of (attribute set)

Default:

```
[ ]
```

Example:

```
[
  {
    file = "/home/eelco/some-file.png";
    urlPath = "/foo/bar.png";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/web-apps/zabbix.nix>

services.zabbixWeb.httpd.virtualHost.serverAliases

Additional names of virtual hosts served by this virtual host configuration.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
  "www.example.org:8080"
  "example.org"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.httpd.virtualHost.sslServerCert
Path to server SSL certificate.

Type: absolute path

Example:

```
"/var/host.cert"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.httpd.virtualHost.sslServerChain
Path to server SSL chain file.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/var/ca.pem"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.httpd.virtualHost.sslServerKey
Path to server SSL certificate key.

Type: absolute path

Example:

```
"/var/host.key"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.httpd.virtualHost.useACMEHost
A host of an existing Let's Encrypt certificate to use. This is useful if you have many subdomains and want to avoid hitting the **rate limit**. Alternately, you can generate a certificate through **enableACME**. *Note that this option does not create any certificates, nor it does add subdomains to existing ones – you will need to create them manually using* **security.acme.certs**[2].

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

2. see the **security.acme.certs** option

services.zabbixWeb.nginx.virtualHost
Nginx configuration can be done by adapting 'services.nginx.virtualHosts.<name>'. See **services.nginx.virtualHosts** for further information.

Type: submodule

Default:

```
{ }
```

Example:

```
{
  forceSSL = true;
  sslCertificateKey = "/etc/ssl/zabbix.key";
  sslCertificate = "/etc/ssl/zabbix.crt";
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.enableACME
Whether to ask Let's Encrypt to sign a certificate for this vhost. Alternately, you can use an existing certificate through **useACMEHost**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.acmeFallbackHost
Host which to proxy requests to if ACME challenge is not found. Useful if you want multiple hosts to be able to verify the same domain name.

With this option, you could request certificates for the present domain with an ACME client that is running on another host, which you would specify here.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.acmeRoot
Directory for the ACME challenge, which is **public**. Don't put certs or keys in here. Set to null to inherit from config.security.acme.

Type: null or string

Default:

```
"/var/lib/acme/acme−challenge"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.addSSL
Whether to enable HTTPS in addition to plain HTTP. This will set defaults for 'listen' to listen on all interfaces on the respective default ports (80, 443).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.basicAuth

Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.basicAuthFile

Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.default

Makes this vhost the default.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.extraConfig

These lines go to the end of the vhost verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.forceSSL

Whether to add a separate nginx server block that redirects (defaults to 301, configurable with ‘redirectCode’) all plain HTTP traffic to HTTPS. This will set defaults for ‘listen’ to listen on all interfaces on the respective default ports (80, 443), where the non−SSL listens are used for the redirect vhosts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.globalRedirect
If set, all requests for this host are redirected (defaults to 301, configurable with 'redirectCode') to the given hostname.

Type: null or string

Default:

```
null
```

Example:

```
"newserver.example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.http2
Whether to enable the HTTP/2 protocol. Note that (as of writing) due to nginx's implementation, to disable HTTP/2 you have to disable it on all vhosts that use a given IP address / port. If there is one server block configured to enable http2, then it is enabled for all server blocks on this IP. See **https://stackoverflow.com/a/39466948/263061**.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.http3
Whether to enable the HTTP/3 protocol. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that HTTP/3 support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/** HTTP/3 availability must be manually advertised, preferably in each location block.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.http3_hq
Whether to enable the HTTP/0.9 protocol negotiation used in QUIC interoperability tests. This requires activating the QUIC transport protocol 'services.nginx.virtualHosts.<name>.quic = true;'. Note that special application protocol support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.kTLS

Whether to enable kTLS support. Implementing TLS in the kernel (kTLS) improves performance by significantly reducing the need for copying operations between user space and the kernel. Required Nginx version 1.21.4 or later.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.listen

Listen addresses and ports for this virtual host. IPv6 addresses must be enclosed in square brackets. Note: this option overrides ‘addSSL’ and ‘onlySSL’.

If you only want to set the addresses manually and not the ports, take a look at ‘listenAddresses’.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    addr = "195.154.1.1";
    port = 443;
    ssl = true;
  }
  {
    addr = "192.154.1.1";
    port = 80;
  }
  {
    addr = "unix:/var/run/nginx.sock";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.listen.*.addr

Listen address.

Type: string

Declared by:

<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.listen.*.extraParameters

Extra parameters of this listen directive.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
```

```
  "backlog=1024"
  "deferred"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.listen.*.port
Port number to listen on. If unset and the listen address is not a socket then nginx defaults to 80.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.listen.*.proxyProtocol
Enable PROXY protocol.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.listen.*.ssl
Enable SSL.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.listenAddresses
Listen addresses for this virtual host. Compared to ‘listen’ this only sets the addresses and the ports are chosen automatically.

Note: This option overrides ‘networking.enableIPv6’

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "127.0.0.1"
  "[::1]"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.locations

Declarative location config

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "/" = {
    proxyPass = "http://localhost:3000";
  };
};
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.locations.<name>.alias

Alias directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/alias/directory"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.locations.<name>.basicAuth

Basic Auth protection for a vhost.

WARNING: This is implemented to store the password in plain text in the Nix store.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  user = "password";
};
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.locations.<name>.basicAuthFile

Basic Auth password file for a vhost. Can be created by running **nix−shell −−packages apacheHttpd −−run 'htpasswd −B −c FILENAME USERNAME'**.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.locations.<name>.extraConfig
These lines go to the end of the location verbatim.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.locations.<name>.fastcgiParams
FastCGI parameters to override. Unlike in the Nginx configuration file, overriding only some default parameters won’t unset the default values for other parameters.

Type: attribute set of (string or absolute path)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.locations.<name>.index
Adds index directive.

Type: null or string

Default:

```
null
```

Example:

```
"index.php index.html"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.locations.<name>.priority
Order of this location block in relation to the others in the vhost. The semantics are the same as with ‘lib.mkOrder’. Smaller values have a greater priority.

Type: signed integer

Default:

```
1000
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.locations.<name>.proxyPass
Adds proxy_pass directive and sets recommended proxy headers if recommendedProxySettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"http://www.example.org/"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.locations.<name>.proxyWebsockets
Whether to support proxying websocket connections with HTTP/1.1.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.locations.<name>.recommendedProxySettings
Enable recommended proxy settings.

Type: boolean

Default:

```
config.services.nginx.recommendedProxySettings
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.locations.<name>.recommendedUwsgiSettings
Enable recommended uwsgi settings.

Type: boolean

Default:

```
config.services.nginx.recommendedUwsgiSettings
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.locations.<name>.return
Adds a return directive, for e.g. redirections.

Type: null or string or signed integer

Default:

```
null
```

Example:

```
"301 http://example.com$request_uri"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.locations.<name>.root
Root directory for requests.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/your/root/directory"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.locations.<name>.tryFiles
Adds try_files directive.

Type: null or string

Default:

```
null
```

Example:

```
"$uri =404"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.locations.<name>.uwsgiPass
Adds uwsgi_pass directive and sets recommended proxy headers if recommendedUwsgiSettings is enabled.

Type: null or string

Default:

```
null
```

Example:

```
"unix:/run/example/example.sock"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.onlySSL
Whether to enable HTTPS and reject plain HTTP connections. This will set defaults for 'listen' to listen on all interfaces on port 443.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.quic
Whether to enable the QUIC transport protocol. Note that QUIC support is experimental and *not* yet recommended for production. Read more at **https://quic.nginx.org/**

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.redirectCode
HTTP status used by 'globalRedirect' and 'forceSSL'. Possible usecases include temporary (302, 307) redirects, keeping the request method and body (307, 308), or explicitly resetting the method to GET (303). See **https://developer.mozilla.org/en−US/docs/Web/HTTP/Redirections**.

Type: integer between 300 and 399 (both inclusive)

Default:

```
301
```

Example:

```
308
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.rejectSSL
Whether to listen for and reject all HTTPS connections to this vhost. Useful in **default** server blocks to avoid serving the certificate for another vhost. Uses the 'ssl_reject_handshake' directive available in nginx versions 1.19.4 and above.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.reuseport
Create an individual listening socket . It is required to specify only once on one of the hosts.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.root
The path of the web root directory.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/data/webserver/docs"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.serverAliases
Additional names of virtual hosts served by this virtual host configuration.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "www.example.org"
  "example.org"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.serverName
Name of this virtual host. Defaults to attribute name in virtualHosts.

Type: null or string

Default:

```
null
```

Example:

```
"example.org"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.sslCertificate
Path to server SSL certificate.

Type: absolute path

Example:

```
"/var/host.cert"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.sslCertificateKey
Path to server SSL certificate key.

Type: absolute path

Example:

```
"/var/host.key"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.sslTrustedCertificate
Path to root SSL certificate for stapling and client certificates.

Type: null or absolute path

Default:

```
null
```

Example:

```
"${pkgs.cacert}/etc/ssl/certs/ca−bundle.crt"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.nginx.virtualHost.useACMEHost
A host of an existing Let’s Encrypt certificate to use. This is useful if you have many subdomains and want to avoid hitting the **rate limit**. Alternately, you can generate a certificate through **enableACME**. *Note that this option does not create any certificates, nor it does add subdomains to existing ones – you will need to create them manually using* **security.acme.certs**[2].

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

2. see the **security.acme.certs** option

services.zabbixWeb.poolConfig
Options for the Zabbix PHP pool. See the documentation on ‘php−fpm.conf’ for details on configuration directives.

Type: attribute set of (string or signed integer or boolean)

Default:

```
{
  pm = "dynamic";
  "pm.max_children" = 32;
  "pm.max_requests" = 500;
  "pm.max_spare_servers" = 4;
  "pm.min_spare_servers" = 2;
  "pm.start_servers" = 2;
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.server.address
The IP address or hostname of the Zabbix server to connect to.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zabbixWeb.server.port
The port of the Zabbix server to connect to.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
10051
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zabbix.nix>

services.zammad.enable
Whether to enable Zammad, a web−based, open source user support/ticketing solution.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/development/zammad.nix>

services.zammad.package
The zammad package to use.

Type: package

Default:

```
pkgs.zammad
```

Declared by:
<nixpkgs/nixos/modules/services/development/zammad.nix>

services.zammad.dataDir
Path to a folder that will contain Zammad working directory.

Type: absolute path

Default:

```
"/var/lib/zammad"
```

Declared by:
<nixpkgs/nixos/modules/services/development/zammad.nix>

services.zammad.database.createLocally
Whether to create a local database automatically.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/development/zammad.nix>

services.zammad.database.host
Database host address.

Type: string

Default:

```
"/run/postgresql"
```

Declared by:
<nixpkgs/nixos/modules/services/development/zammad.nix>

services.zammad.database.name
Database name.

Type: string

Default:

```
"zammad"
```

Declared by:
<nixpkgs/nixos/modules/services/development/zammad.nix>

services.zammad.database.passwordFile
A file containing the password for **services.zammad.database.user**.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/zammad-dbpassword"
```

Declared by:
<nixpkgs/nixos/modules/services/development/zammad.nix>

services.zammad.database.port
Database port. Use ‘null’ for default port.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/development/zammad.nix>

services.zammad.database.settings
The *database.yml* configuration file as key value set. See <TODO> for list of configuration parameters.

Type: YAML 1.1 value

Default:

```
{ }
```

Example:

```
{
}
```

Declared by:
<nixpkgs/nixos/modules/services/development/zammad.nix>

services.zammad.database.user
Database user.

Type: null or string

Default:

```
"zammad"
```

Declared by:
<nixpkgs/nixos/modules/services/development/zammad.nix>

services.zammad.group
Name of the Zammad group.

Type: string

Default:

```
"zammad"
```

Declared by:
<nixpkgs/nixos/modules/services/development/zammad.nix>

services.zammad.host
Host address.

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"192.168.23.42"
```

Declared by:
<nixpkgs/nixos/modules/services/development/zammad.nix>

services.zammad.nginx.configure
Whether to configure a local nginx for Zammad.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/development/zammad.nix>

services.zammad.nginx.domain
The domain under which zammad will be reachable.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/development/zammad.nix>

services.zammad.port
Web service port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Declared by:
<nixpkgs/nixos/modules/services/development/zammad.nix>

services.zammad.redis.createLocally
Whether to create a local redis automatically.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/development/zammad.nix>

services.zammad.redis.host
Redis server address.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/development/zammad.nix>

services.zammad.redis.name
Name of the redis server. Only used if ‘createLocally’ is set to true.

Type: string

Default:

```
"zammad"
```

Declared by:
<nixpkgs/nixos/modules/services/development/zammad.nix>

services.zammad.redis.port
Port of the redis server.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
6379
```

Declared by:
<nixpkgs/nixos/modules/services/development/zammad.nix>

services.zammad.secretKeyBaseFile
The path to a file containing the ‘secret_key_base’ secret.

Zammad uses ‘secret_key_base’ to encrypt the cookie store, which contains session data, and to digest user auth tokens.

Needs to be a 64 byte long string of hexadecimal characters. You can generate one by running

```
openssl rand -hex 64 >/path/to/secret_key_base_file
```

This should be a string, not a nix path, since nix paths are copied into the world-readable nix store.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/run/keys/secret_key_base"
```

Declared by:
<nixpkgs/nixos/modules/services/development/zammad.nix>

services.zammad.user
Name of the Zammad user.

Type: string

Default:

```
"zammad"
```

Declared by:
<nixpkgs/nixos/modules/services/development/zammad.nix>

services.zammad.websocketPort
Websocket service port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
6042
```

Declared by:
<nixpkgs/nixos/modules/services/development/zammad.nix>

services.zapret.enable

Whether to enable the Zapret DPI bypass service…

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/zapret.nix>

services.zapret.package

The zapret package to use.

Type: package

Default:

```
pkgs.zapret
```

Declared by:

<nixpkgs/nixos/modules/services/networking/zapret.nix>

services.zapret.blacklist

Specify a list of domains NOT to bypass. All other domains will be bypassed. You can specify either whitelist or blacklist, but not both. If neither are specified, then bypass all domains.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "example.com"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/zapret.nix>

services.zapret.configureFirewall

Whether to setup firewall routing so that system http(s) traffic is forwarded via this service. Disable if you want to set it up manually.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/zapret.nix>

services.zapret.httpMode

By default this service only changes the first packet sent, which is enough in most cases. But there are DPIs that monitor the whole traffic within a session. That requires full processing of every packet, which increases the CPU usage.

Set the mode to ‘full’ if http doesn’t work.

Type: one of “first”, “full”

Default:

```
"first"
```

Example:

```
"full"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/zapret.nix>

services.zapret.httpSupport
Whether to route http traffic on port 80. Http bypass rarely works and you might want to disable it if you don't utilise http connections.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/zapret.nix>

services.zapret.params
Specify the bypass parameters for Zapret binary. There are no universal parameters as they vary between different networks, so you'll have to find them yourself.

This can be done by running the 'blockcheck' binary from zapret package, i.e. 'nix−shell −p nftables zapret −−command blockcheck' (or 'iptables' instead of 'nftables' if that is what your firewall is using). It'll try different params and then tell you which params are working for your network.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--dpi-desync=fake,disorder2"
  "--dpi-desync-ttl=1"
  "--dpi-desync-autottl=2"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/zapret.nix>

services.zapret.qnum
Routing queue number. Only change this if you already use the default queue number somewhere else.

Type: signed integer

Default:

```
200
```

Declared by:
<nixpkgs/nixos/modules/services/networking/zapret.nix>

services.zapret.udpPorts
List of UDP ports to route. Port ranges are delimited with a colon like this "50000:50099".

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "50000:50099"
  "1234"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/zapret.nix>

services.zapret.udpSupport
Enable UDP routing. This requires you to specify ‘udpPorts’ and ‘−−dpi−desync−any−protocol’ parameter.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/zapret.nix>

services.zapret.whitelist
Specify a list of domains to bypass. All other domains will be ignored. You can specify either whitelist or blacklist, but not both. If neither are specified, then bypass all domains.

It is recommended to specify the whitelist. This will make sure that other resources won’t be affected by this service.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "youtube.com"
  "googlevideo.com"
  "ytimg.com"
  "youtu.be"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/zapret.nix>

services.zeitgeist.enable
Whether to enable zeitgeist, a service which logs the users’ activities and events.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/desktops/zeitgeist.nix>

services.zenohd.enable

Whether to enable Zenoh daemon…

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/zenohd.nix>

services.zenohd.package

The zenoh package to use.

Type: package

Default:

```
pkgs.zenoh
```

Declared by:

<nixpkgs/nixos/modules/services/networking/zenohd.nix>

services.zenohd.backends

Storage backend packages to add to zenohd search paths.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.zenoh-backend-rocksdb ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/zenohd.nix>

services.zenohd.env

Set environment variables consumed by zenohd and its plugins.

Type: attribute set of string

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/zenohd.nix>

services.zenohd.extraOptions

Extra command line options for zenohd.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/zenohd.nix>

services.zenohd.home

Base directory for zenohd related files defined via ZENOH_HOME.

Type: string

Default:

```
"/var/lib/zenoh"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/zenohd.nix>

services.zenohd.plugins

Plugin packages to add to zenohd search paths.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.zenoh-plugin-mqtt ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/zenohd.nix>

services.zenohd.settings

Config options for 'zenoh.json5' configuration file.

See **https://github.com/eclipse-zenoh/zenoh/blob/main/DEFAULT_CONFIG.json5** for more information.

Type: open submodule of (JSON value)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/zenohd.nix>

services.zerobin.enable

Whether to enable 0bin.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/zerobin.nix>

services.zerobin.dataDir

Path to the 0bin data directory

Type: string

Default:

```
"/var/lib/zerobin"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/zerobin.nix>

services.zerobin.extraConfig
Extra configuration to be appended to the 0bin config file (see **https://0bin.readthedocs.org/en/latest/en/options.html**)

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
MENU = (
('Home', '/'),
)
COMPRESSED_STATIC_FILE = True
```

Declared by:
<nixpkgs/nixos/modules/services/networking/zerobin.nix>

services.zerobin.group
The group 0bin should run as

Type: string

Default:

```
"zerobin"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/zerobin.nix>

services.zerobin.listenAddress
The address zerobin should listen to

Type: string

Default:

```
"localhost"
```

Example:

```
"127.0.0.1"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/zerobin.nix>

services.zerobin.listenPort
The port zerobin should listen on

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8000
```

Example:

```
1357
```

Declared by:
<nixpkgs/nixos/modules/services/networking/zerobin.nix>

services.zerobin.user

The user 0bin should run as

Type: string

Default:

```
"zerobin"
```

Declared by:

<nixpkgs/nixos/modules/services/networking/zerobin.nix>

services.zeronet.enable

Whether to enable zeronet.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/zeronet.nix>

services.zeronet.package

The zeronet package to use.

Type: package

Default:

```
pkgs.zeronet
```

Declared by:

<nixpkgs/nixos/modules/services/networking/zeronet.nix>

services.zeronet.fileserverPort

Zeronet fileserver port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
12261
```

Declared by:

<nixpkgs/nixos/modules/services/networking/zeronet.nix>

services.zeronet.port

Optional zeronet web UI port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
43110
```

Declared by:

<nixpkgs/nixos/modules/services/networking/zeronet.nix>

services.zeronet.settings

zeronet.conf configuration. Refer to **https://zeronet.readthedocs.io/en/latest/faq/#is-it-possible-to-use-a-configuration-file** for details on supported values;

Type: attribute set of attribute set of (string or signed integer or boolean or list of string)

Default:

```
{ }
```

Example:

```
{ global.tor = enable; }
```

Declared by:

<nixpkgs/nixos/modules/services/networking/zeronet.nix>

services.zeronet.tor

Use TOR for zeronet traffic where possible.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/zeronet.nix>

services.zeronet.torAlways

Use TOR for all zeronet traffic.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/networking/zeronet.nix>

services.zeronsd.servedNetworks

ZeroTier Networks to start zeronsd instances for.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  a8a2c3c10c1a68de = {
    settings = {
      token = "/var/lib/zeronsd/apitoken";
    };
  };
}
```

Declared by:

<nixpkgs/nixos/modules/services/networking/zeronsd.nix>

services.zeronsd.servedNetworks.<name>.package
The zeronsd package to use.

Type: package

Default:

```
pkgs.zeronsd
```

Declared by:
<nixpkgs/nixos/modules/services/networking/zeronsd.nix>

services.zeronsd.servedNetworks.<name>.settings
Settings for zeronsd

Type: open submodule of (JSON value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/networking/zeronsd.nix>

services.zeronsd.servedNetworks.<name>.settings.domain
Domain under which ZeroTier records will be available.

Type: (optionally newline−terminated) single−line string

Default:

```
"home.arpa"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/zeronsd.nix>

services.zeronsd.servedNetworks.<name>.settings.log_level
Log Level.

Type: one of “off”, “error”, “warn”, “info”, “debug”, “trace”

Default:

```
"warn"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/zeronsd.nix>

services.zeronsd.servedNetworks.<name>.settings.token
Path to a file containing the API Token for ZeroTier Central.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/networking/zeronsd.nix>

services.zeronsd.servedNetworks.<name>.settings.wildcard
Whether to serve a wildcard record for ZeroTier Nodes.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/zeronsd.nix>

services.zerotierone.enable

Whether to enable ZeroTierOne.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/zerotierone.nix>

services.zerotierone.package

The zerotierone package to use.

Type: package

Default:

```
pkgs.zerotierone
```

Declared by:

<nixpkgs/nixos/modules/services/networking/zerotierone.nix>

services.zerotierone.joinNetworks

List of ZeroTier Network IDs to join on startup. Note that networks are only ever joined, but not automatically left after removing them from the list. To remove networks, use the ZeroTier CLI: 'zerotier−cli leave <network−id>'

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "a8a2c3c10c1a68de"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/zerotierone.nix>

services.zerotierone.localConf

Optional configuration to be written to the Zerotier JSON−based local.conf. If set, the configuration will be symlinked to '/var/lib/zerotier−one/local.conf' at build time. To understand the configuration format, refer to **https://docs.zerotier.com/config/#local−configuration−options**.

Type: JSON value

Default:

```
{ }
```

Example:

```
{
  settings = {
    allowTcpFallbackRelay = false;
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/zerotierone.nix>

services.zerotierone.port
Network port used by ZeroTier.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
9993
```

Declared by:
<nixpkgs/nixos/modules/services/networking/zerotierone.nix>

services.zeyple.enable
Whether to enable Zeyple, an utility program to automatically encrypt outgoing emails with GPG.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/zeyple.nix>

services.zeyple.group
Group to use to run Zeyple.

Note
If left as the default value this group will automatically be created on system activation, otherwise the sysadmin is responsible for ensuring the user exists.

Type: string

Default:

```
"zeyple"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/zeyple.nix>

services.zeyple.keys
List of public key files that will be imported by gpg.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/mail/zeyple.nix>

services.zeyple.rotateLogs
Whether to enable rotation of log files.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/mail/zeyple.nix>

services.zeyple.settings
Zeyple configuration. refer to **https://github.com/infertux/zeyple/blob/master/zeyple/zeyple.conf.example** for details on supported values.

Type: attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/mail/zeyple.nix>

services.zeyple.user
User to run Zeyple as.

Note
If left as the default value this user will automatically be created on system activation, otherwise the sysadmin is responsible for ensuring the user exists.

Type: string

Default:

```
"zeyple"
```

Declared by:
<nixpkgs/nixos/modules/services/mail/zeyple.nix>

services.zfs.autoReplication.enable
Whether to enable ZFS snapshot replication.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/backup/zfs−replication.nix>

services.zfs.autoReplication.package
The zfs−replicate package to use.

Type: package

Default:

```
pkgs.zfs−replicate
```

Declared by:
<nixpkgs/nixos/modules/services/backup/zfs−replication.nix>

services.zfs.autoReplication.followDelete
Remove remote snapshots that don’t have a local correspondent.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/backup/zfs−replication.nix>

services.zfs.autoReplication.host
Remote host where snapshots should be sent. ‘lz4’ is expected to be installed on this host.

Type: string

Example:

```
"example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/zfs−replication.nix>

services.zfs.autoReplication.identityFilePath
Path to SSH key used to login to host.

Type: absolute path

Example:

```
"/home/username/.ssh/id_rsa"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/zfs−replication.nix>

services.zfs.autoReplication.localFilesystem
Local ZFS filesystem from which snapshots should be sent. Defaults to the attribute name.

Type: string

Example:

```
"pool/file/path"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/zfs−replication.nix>

services.zfs.autoReplication.recursive
Recursively discover snapshots to send.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/backup/zfs−replication.nix>

services.zfs.autoReplication.remoteFilesystem
Remote ZFS filesystem where snapshots should be sent.

Type: string

Example:

```
"pool/file/path"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/zfs−replication.nix>

services.zfs.autoReplication.username
Username used by SSH to login to remote host.

Type: string

Example:

```
"username"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/zfs−replication.nix>

services.zfs.autoScrub.enable
Whether to enable periodic scrubbing of ZFS pools.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/zfs.nix>

services.zfs.autoScrub.interval
Systemd calendar expression when to scrub ZFS pools. See **systemd.time**(7).

Type: string

Default:

```
"monthly"
```

Example:

```
"quarterly"
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/zfs.nix>

services.zfs.autoScrub.pools
List of ZFS pools to periodically scrub. If empty, all pools will be scrubbed.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "tank"
]
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/zfs.nix>

services.zfs.autoScrub.randomizedDelaySec
Add a randomized delay before each ZFS autoscrub. The delay will be chosen between zero and this value. This value must be a time span in the format specified by **systemd.time**(7)

Type: string

Default:

```
"6h"
```

Example:

```
"12h"
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/zfs.nix>

services.zfs.autoSnapshot.enable
Enable the (OpenSolaris−compatible) ZFS auto−snapshotting service. Note that you must set the 'com.sun:auto−snapshot' property to 'true' on all datasets which you wish to auto−snapshot.

You can override a child dataset to use, or not use auto−snapshotting by setting its flag with the given interval: 'zfs set com.sun:auto−snapshot:weekly=false DATASET'

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/zfs.nix>

services.zfs.autoSnapshot.daily
Number of daily auto−snapshots that you wish to keep.

Type: signed integer

Default:

```
7
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/zfs.nix>

services.zfs.autoSnapshot.flags
Flags to pass to the zfs−auto−snapshot command.

Run 'zfs−auto−snapshot' (without any arguments) to see available flags.

If it's not too inconvenient for snapshots to have timestamps in UTC, it is suggested that you append '−−utc' to the list of default options (see example).

Otherwise, snapshot names can cause name conflicts or apparent time reversals due to daylight savings, timezone or other date/time changes.

Type: string

Default:

```
"−k −p"
```

Example:

```
"−k −p −−utc"
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/zfs.nix>

services.zfs.autoSnapshot.frequent
Number of frequent (15−minute) auto−snapshots that you wish to keep.

Type: signed integer

Default:

```
4
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/zfs.nix>

services.zfs.autoSnapshot.hourly

Number of hourly auto−snapshots that you wish to keep.

Type: signed integer

Default:

```
24
```

Declared by:

<nixpkgs/nixos/modules/tasks/filesystems/zfs.nix>

services.zfs.autoSnapshot.monthly

Number of monthly auto−snapshots that you wish to keep.

Type: signed integer

Default:

```
12
```

Declared by:

<nixpkgs/nixos/modules/tasks/filesystems/zfs.nix>

services.zfs.autoSnapshot.weekly

Number of weekly auto−snapshots that you wish to keep.

Type: signed integer

Default:

```
4
```

Declared by:

<nixpkgs/nixos/modules/tasks/filesystems/zfs.nix>

services.zfs.expandOnBoot

After importing, expand each device in the specified pools.

Set the value to the plain string “all” to expand all pools on boot:

```
services.zfs.expandOnBoot = "all";
```

or set the value to a list of pools to expand the disks of specific pools:

```
services.zfs.expandOnBoot = [ "tank" "dozer" ];
```

Type: one of “disabled”, “all” or list of string

Default:

```
"disabled"
```

Example:

```
[
  "tank"
  "dozer"
]
```

Declared by:

<nixpkgs/nixos/modules/tasks/filesystems/zfs.nix>

services.zfs.trim.enable

Whether to enable periodic TRIM on all ZFS pools.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/zfs.nix>

services.zfs.trim.interval
How often we run trim. For most desktop and server systems a sufficient trimming frequency is once a week.

The format is described in **systemd.time**(7).

Type: string

Default:

```
"weekly"
```

Example:

```
"daily"
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/zfs.nix>

services.zfs.trim.randomizedDelaySec
Add a randomized delay before each ZFS trim. The delay will be chosen between zero and this value. This value must be a time span in the format specified by **systemd.time**(7)

Type: string

Default:

```
"6h"
```

Example:

```
"12h"
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/zfs.nix>

services.zfs.zed.enableMail
Whether to enable ZED's ability to send emails.

Type: boolean

Default:

```
config.services.mail.sendmailSetuidWrapper != null
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/zfs.nix>

services.zfs.zed.settings
ZFS Event Daemon /etc/zfs/zed.d/zed.rc content

See **zed**(8) for details on ZED and the scripts in /etc/zfs/zed.d to find the possible variables

Type: attribute set of (string or signed integer or boolean or list of string)

Default:

```
{ }
```

Example:

```
{
```

```
  ZED_DEBUG_LOG = "/tmp/zed.debug.log";
  ZED_EMAIL_ADDR = [ "root" ];
  ZED_EMAIL_PROG = "mail";
  ZED_EMAIL_OPTS = "-s '@SUBJECT@' @ADDRESS@";
  ZED_NOTIFY_INTERVAL_SECS = 3600;
  ZED_NOTIFY_VERBOSE = false;
  ZED_USE_ENCLOSURE_LEDS = true;
  ZED_SCRUB_AFTER_RESILVER = false;
}
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/zfs.nix>

services.zigbee2mqtt.enable
Whether to enable zigbee2mqtt service.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/home-automation/zigbee2mqtt.nix>

services.zigbee2mqtt.package
The zigbee2mqtt package to use.

Type: package

Default:

```
pkgs.zigbee2mqtt
```

Declared by:
<nixpkgs/nixos/modules/services/home-automation/zigbee2mqtt.nix>

services.zigbee2mqtt.dataDir
Zigbee2mqtt data directory

Type: absolute path

Default:

```
"/var/lib/zigbee2mqtt"
```

Declared by:
<nixpkgs/nixos/modules/services/home-automation/zigbee2mqtt.nix>

services.zigbee2mqtt.settings
Your *configuration.yaml* as a Nix attribute set. Check the **documentation** for possible options.

Type: YAML 1.1 value

Default:

```
{ }
```

Example:

```
{
  homeassistant.enabled = config.services.home-assistant.enable;
  permit_join = true;
```

```
  serial = {
    port = "/dev/ttyACM1";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/home-automation/zigbee2mqtt.nix>

services.zipline.enable
Whether to enable Zipline.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/zipline.nix>

services.zipline.package
The zipline package to use.

Type: package

Default:

```
pkgs.zipline
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/zipline.nix>

services.zipline.database.createLocally
Whether to enable and configure a local PostgreSQL database server.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/zipline.nix>

services.zipline.environmentFiles
Files to load environment variables from (in addition to **services.zipline.settings**). This is useful to avoid putting secrets into the nix store. See **https://zipline.diced.sh/docs/config** for more information.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[
  "/run/secrets/zipline.env"
]
```

Declared by:
<nixpkgs/nixos/modules/services/web-apps/zipline.nix>

services.zipline.settings

Configuration of Zipline. See **https://zipline.diced.sh/docs/config** for more information.

Type: open submodule of attribute set of (string or signed integer)

Default:

```
{ }
```

Example:

```
{
  CORE_HOSTNAME = "0.0.0.0";
  CORE_PORT = "3000";
  CORE_SECRET = "changethis";
  DATABASE_URL = "postgres://postgres:postgres@postgres/postgres";
  DATASOURCE_LOCAL_DIRECTORY = "/var/lib/zipline/uploads";
  DATASOURCE_TYPE = "local";
}
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/zipline.nix>

services.zipline.settings.CORE_HOSTNAME

The hostname to listen on.

Type: string

Default:

```
"127.0.0.1"
```

Example:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/zipline.nix>

services.zipline.settings.CORE_PORT

The port to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Example:

```
8000
```

Declared by:

<nixpkgs/nixos/modules/services/web−apps/zipline.nix>

services.zitadel.enable

Whether to enable ZITADEL, a user and identity access management platform.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zitadel.nix>

services.zitadel.package
The ZITADEL package to use.

Type: package

Default:

```
pkgs.zitadel
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zitadel.nix>

services.zitadel.extraSettingsPaths
A list of paths to extra settings files. These will override the values set in **settings**. Useful if you want to keep sensitive secrets out of the Nix store.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zitadel.nix>

services.zitadel.extraStepsPaths
A list of paths to extra steps files. These will override the values set in **steps**. Useful if you want to keep sensitive secrets out of the Nix store.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zitadel.nix>

services.zitadel.group
The group to run ZITADEL under.

Type: string

Default:

```
"zitadel"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zitadel.nix>

services.zitadel.masterKeyFile
Path to a file containing a master encryption key for ZITADEL. The key must be 32 bytes.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zitadel.nix>

services.zitadel.openFirewall
Whether to open the port specified in ‘listenPort’ in the firewall.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zitadel.nix>

services.zitadel.settings
Contents of the runtime configuration file. See **https://zitadel.com/docs/self−hosting/manage/configure** for more details.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Example:

```
{
  Port = 8123;
  ExternalDomain = "example.com";
  TLS = {
    CertPath = "/path/to/cert.pem";
    KeyPath = "/path/to/cert.key";
  };
  Database.cockroach.Host = "db.example.com";
};
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zitadel.nix>

services.zitadel.settings.Port
The port that ZITADEL listens on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8080
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zitadel.nix>

services.zitadel.settings.TLS.Cert
The TLS certificate, as a base64−encoded string.

Note that the contents of this option will be added to the Nix store as world−readable plain text. Set **CertPath** instead if this is undesired.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zitadel.nix>

services.zitadel.settings.TLS.CertPath
Path to the TLS certificate.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zitadel.nix>

services.zitadel.settings.TLS.Key
The TLS certificate private key, as a base64−encoded string.

Note that the contents of this option will be added to the Nix store as world−readable plain text. Set **KeyPath** instead if this is undesired.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zitadel.nix>

services.zitadel.settings.TLS.KeyPath
Path to the TLS certificate private key.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zitadel.nix>

services.zitadel.steps
Contents of the database initialization config file. See **https://zitadel.com/docs/self−hosting/manage/configure** for more details.

Type: YAML 1.1 value

Default:

```
{ }
```

Example:

```
{
  FirstInstance = {
    InstanceName = "Example";
    Org.Human = {
      UserName = "foobar";
      FirstName = "Foo";
      LastName = "Bar";
    };
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zitadel.nix>

services.zitadel.tlsMode
The TLS mode to use. Options are:

- enabled: ZITADEL accepts HTTPS connections directly. You must configure TLS if this option is selected.
- external: ZITADEL forces HTTPS connections, with TLS terminated at a reverse proxy.
- disabled: ZITADEL accepts HTTP connections only. Should only be used for testing.

Type: one of “external”, “enabled”, “disabled”

Default:

```
"external"
```

Example:

```
"enabled"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zitadel.nix>

services.zitadel.user
The user to run ZITADEL under.

Type: string

Default:

```
"zitadel"
```

Declared by:
<nixpkgs/nixos/modules/services/web−apps/zitadel.nix>

services.znapzend.enable
Whether to enable ZnapZend ZFS backup daemon.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/backup/znapzend.nix>

services.znapzend.autoCreation
Automatically create the destination dataset if it does not exist.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/backup/znapzend.nix>

services.znapzend.features.compressed
Whether to enable compressed feature which adds the options '−Lce' to the **zfs send** command. When this is enabled, make sure that both the sending and receiving pool have the same relevant features enabled. Using '−c' will skip unnecessary decompress−compress stages, '−L' is for large block support and −e is for embedded data support. see **znapzend**(1) and **zfs**(8) for more info .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/backup/znapzend.nix>

services.znapzend.features.lowmemRecurse
Whether to enable use lowmemRecurse on systems where you have too many datasets, so a recursive listing of attributes to find backup plans exhausts the memory available to **znapzend**: instead, go the slower way to first list all impacted dataset names, and then query their configs one by one .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/backup/znapzend.nix>

services.znapzend.features.oracleMode
Whether to enable destroying snapshots one by one instead of using one long argument list. If source and destination are out of sync for a long time, you may have so many snapshots to destroy that the argument gets is too long and the command fails .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/backup/znapzend.nix>

services.znapzend.features.recvu
Whether to enable recvu feature which uses '−u' on the receiving end to keep the destination filesystem unmounted .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/backup/znapzend.nix>

services.znapzend.features.sendRaw
Whether to enable sendRaw feature which adds the options '−w' to the **zfs send** command. For encrypted source datasets this instructs zfs not to decrypt before sending which results in a remote backup that can't be read without the encryption key/passphrase, useful when the remote isn't fully trusted or not physically secure. This option must be used consistently, raw incrementals cannot be based on non−raw snapshots and vice versa .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/backup/znapzend.nix>

services.znapzend.features.skipIntermediates

Whether to enable the skipIntermediates feature to send a single increment between latest common snapshot and the newly made one. It may skip several source snaps if the destination was offline for some time, and it should skip snapshots not managed by znapzend. Normally for online destinations, the new snapshot is sent as soon as it is created on the source, so there are no automatic increments to skip .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/backup/znapzend.nix>

services.znapzend.features.zfsGetType

Whether to enable using zfsGetType if your **zfs get** supports a '−t' argument for filtering by dataset type at all AND lists properties for snapshots by default when recursing, so that there is too much data to process while searching for backup plans. If these two conditions apply to your system, the time needed for a '−−recursive' search for backup plans can literally differ by hundreds of times (depending on the amount of snapshots in that dataset tree… and a decent backup plan will ensure you have a lot of those), so you would benefit from requesting this feature .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/backup/znapzend.nix>

services.znapzend.logLevel

The log level when logging to file. Any of debug, info, warning, err, alert. Default in daemonized form is debug.

Type: one of "debug", "info", "warning", "err", "alert"

Default:

```
"debug"
```

Example:

```
"warning"
```

Declared by:

<nixpkgs/nixos/modules/services/backup/znapzend.nix>

services.znapzend.logTo

Where to log to (syslog::<facility> or <filepath>).

Type: string

Default:

```
"syslog::daemon"
```

Example:

```
"/var/log/znapzend.log"
```

Declared by:

<nixpkgs/nixos/modules/services/backup/znapzend.nix>

services.znapzend.mailErrorSummaryTo

Email address to send a summary to if “send task(s) failed”.

Type: (optionally newline−terminated) single−line string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/services/backup/znapzend.nix>

services.znapzend.noDestroy

Does all changes to the filesystem except destroy.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/backup/znapzend.nix>

services.znapzend.pure

Do not persist any stateful znapzend setups. If this option is enabled, your previously set znapzend setups will be cleared and only the ones defined with this module will be applied.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/backup/znapzend.nix>

services.znapzend.zetup

Znapzend configuration.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "tank/home" = {
    # Make snapshots of tank/home every hour, keep those for 1 day,
    # keep every days snapshot for 1 month, etc.
    plan = "1d=>1h,1m=>1d,1y=>1m";
```

```
    recursive = true;
    # Send all those snapshots to john@example.com:rtank/john as we \
ll
    destinations.remote = {
      host = "john@example.com";
      dataset = "rtank/john";
    };
  };
};
```

Declared by:
<nixpkgs/nixos/modules/services/backup/znapzend.nix>

services.znapzend.zetup.<name>.enable
Whether to enable this source.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/backup/znapzend.nix>

services.znapzend.zetup.<name>.dataset
The dataset to use for this source.

Type: string

Example:

```
"tank/home"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/znapzend.nix>

services.znapzend.zetup.<name>.destinations
Additional destinations.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  local = {
    dataset = "btank/backup";
    presend = "zpool import -N btank";
    postsend = "zpool export btank";
  };
  remote = {
    host = "john@example.com";
    dataset = "tank/john";
  };
};
```

Declared by:
<nixpkgs/nixos/modules/services/backup/znapzend.nix>

services.znapzend.zetup.<name>.destinations.<name>.dataset
Dataset name to send snapshots to.

Type: string

Example:

```
"tank/main"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/znapzend.nix>

services.znapzend.zetup.<name>.destinations.<name>.host
Host to use for the destination dataset. Can be prefixed with 'user@' to specify the ssh user.

Type: null or string

Default:

```
null
```

Example:

```
"john@example.com"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/znapzend.nix>

services.znapzend.zetup.<name>.destinations.<name>.label
Label for this destination. Defaults to the attribute name.

Type: string

Declared by:
<nixpkgs/nixos/modules/services/backup/znapzend.nix>

services.znapzend.zetup.<name>.destinations.<name>.plan
The znapzend backup plan to use for the source.

The plan specifies how often to backup and for how long to keep the backups. It consists of a series of retention periods to interval associations:

```
  retA=>intA,retB=>intB,...
```

Both intervals and retention periods are expressed in standard units of time or multiples of them. You can use both the full name or a shortcut according to the following listing:

```
  second|sec|s, minute|min, hour|h, day|d, week|w, month|mon|m, yea \
r|y
```

See **znapzendzetup**(1) for more info.

Type: string

Example:

```
"1h=>10min,1d=>1h,1w=>1d,1m=>1w,1y=>1m"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/znapzend.nix>

services.znapzend.zetup.<name>.destinations.<name>.postsend
Command to run after sending the snapshot to the destination. Intended to run a remote script via **ssh** on the destination, e.g. to bring up a backup disk or server or to put a zpool online/offline. See also **presend**.

Type: null or string

Default:

```
null
```

Example:

```
"ssh root@bserv zpool export tank"
```

Declared by:

<nixpkgs/nixos/modules/services/backup/znapzend.nix>

services.znapzend.zetup.<name>.destinations.<name>.presend

Command to run before sending the snapshot to the destination. Intended to run a remote script via **ssh** on the destination, e.g. to bring up a backup disk or server or to put a zpool online/offline. See also **postsend**.

Type: null or string

Default:

```
null
```

Example:

```
"ssh root@bserv zpool import -Nf tank"
```

Declared by:

<nixpkgs/nixos/modules/services/backup/znapzend.nix>

services.znapzend.zetup.<name>.mbuffer.enable

Whether to use **mbuffer**.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/backup/znapzend.nix>

services.znapzend.zetup.<name>.mbuffer.port

Port to use for **mbuffer**.

If this is null, it will run **mbuffer** through ssh.

If this is not null, it will run **mbuffer** directly through TCP, which is not encrypted but faster. In that case the given port needs to be open on the destination host.

Type: null or 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/services/backup/znapzend.nix>

services.znapzend.zetup.<name>.mbuffer.size

The size for **mbuffer**. Supports the units b, k, M, G.

Type: string of the form number{b|k|M|G}

Default:

```
"1G"
```

Example:

```
"128M"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/znapzend.nix>

services.znapzend.zetup.<name>.plan
The znapzend backup plan to use for the source.

The plan specifies how often to backup and for how long to keep the backups. It consists of a series of retention periods to interval associations:

```
retA=>intA,retB=>intB,...
```

Both intervals and retention periods are expressed in standard units of time or multiples of them. You can use both the full name or a shortcut according to the following listing:

```
second|sec|s, minute|min, hour|h, day|d, week|w, month|mon|m, yea \
r|y
```

See **znapzendzetup**(1) for more info.

Type: string

Example:

```
"1h=>10min,1d=>1h,1w=>1d,1m=>1w,1y=>1m"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/znapzend.nix>

services.znapzend.zetup.<name>.postsnap
Command to run after snapshots are taken on the source dataset, e.g. for database unlocking. See also **presnap**.

Type: null or string

Default:

```
null
```

Example:

```
"${pkgs.coreutils}/bin/kill ‘${pkgs.coreutils}/bin/cat /tmp/mariadb \
lock.pid‘;${pkgs.coreutils}/bin/rm /tmp/mariadblock.pid"
```

Declared by:
<nixpkgs/nixos/modules/services/backup/znapzend.nix>

services.znapzend.zetup.<name>.presnap
Command to run before snapshots are taken on the source dataset, e.g. for database locking/flushing. See also **postsnap**.

Type: null or string

Default:

```
null
```

Example:

```
’’${pkgs.mariadb}/bin/mysql −e "set autocommit=0;flush tables with \
 read lock;\\! ${pkgs.coreutils}/bin/sleep 600" &  ${pkgs.coreuti \
ls}/bin/echo $! > /tmp/mariadblock.pid ; sleep 10’’
```

Declared by:
<nixpkgs/nixos/modules/services/backup/znapzend.nix>

services.znapzend.zetup.<name>.recursive

Whether to do recursive snapshots.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/services/backup/znapzend.nix>

services.znapzend.zetup.<name>.sendDelay

Specify delay (in seconds) before sending snaps to the destination. May be useful if you want to control sending time.

Type: signed integer

Default:

Example:

```
60
```

Declared by:

<nixpkgs/nixos/modules/services/backup/znapzend.nix>

services.znapzend.zetup.<name>.timestampFormat

The timestamp format to use for constructing snapshot names. The syntax is ‘strftime’−like. The string must consist of the mandatory ‘%Y %m %d %H %M %S’. Optionally ‘− _ . :’ characters as well as any alphanumeric character are allowed. If suffixed by a ‘Z’, times will be in UTC.

Type: string containing all of the characters %Y, %m, %d, %H, %M, %S

Default:

```
"%Y-%m-%d-%H%M%S"
```

Example:

```
"znapzend-%m.%d.%Y-%H%M%SZ"
```

Declared by:

<nixpkgs/nixos/modules/services/backup/znapzend.nix>

services.znc.enable

Whether to enable ZNC.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/networking/znc/default.nix>

services.znc.confOptions.extraZncConf

Extra config to *znc.conf* file.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/znc/options.nix>

services.znc.confOptions.modules
A list of modules to include in the *znc.conf* file.

Type: list of string

Default:

```
[
  "webadmin"
  "adminlog"
]
```

Example:

```
[
  "partyline"
  "webadmin"
  "adminlog"
  "log"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/znc/options.nix>

services.znc.confOptions.networks
IRC networks to connect the user to.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "libera" = {
    server = "irc.libera.chat";
    port = 6697;
    useSSL = true;
    modules = [ "simple_away" ];
  };
};
```

Declared by:
<nixpkgs/nixos/modules/services/networking/znc/options.nix>

services.znc.confOptions.networks.<name>.channels
IRC channels to join.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "nixos"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/znc/options.nix>

services.znc.confOptions.networks.<name>.extraConf
Extra config for the network. Consider using **services.znc.config** instead.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
Encoding = ^UTF-8
FloodBurst = 4
FloodRate = 1.00
IRCConnectEnabled = true
Ident = johntron
JoinDelay = 0
Nick = johntron
```

Declared by:
<nixpkgs/nixos/modules/services/networking/znc/options.nix>

services.znc.confOptions.networks.<name>.hasBitlbeeControlChannel
Whether to add the special Bitlbee operations channel.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/znc/options.nix>

services.znc.confOptions.networks.<name>.modules
ZNC network modules to load.

Type: list of string

Default:

```
[
  "simple_away"
]
```

Example:

```
[ "simple_away" "sasl" ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/znc/options.nix>

services.znc.confOptions.networks.<name>.password
IRC server password, such as for a Slack gateway.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/networking/znc/options.nix>

services.znc.confOptions.networks.<name>.port
IRC server port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
6697
```

Declared by:
<nixpkgs/nixos/modules/services/networking/znc/options.nix>

services.znc.confOptions.networks.<name>.server
IRC server address.

Type: string

Example:

```
"irc.libera.chat"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/znc/options.nix>

services.znc.confOptions.networks.<name>.useSSL
Whether to use SSL to connect to the IRC server.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/znc/options.nix>

services.znc.confOptions.nick
The IRC nick.

Type: string

Default:

```
"znc-user"
```

Example:

```
"john"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/znc/options.nix>

services.znc.confOptions.passBlock
Generate with **nix-shell -p znc --command "znc --makepass"**. This is the password used to log in to the ZNC web admin interface. You can also set this through **services.znc.config.User.<username>.Pass.Method** and co.

Type: string

Example:

```
  &lt;Pass password&gt;
     Method = sha256
     Hash = e2ce303c7ea75c571d80d8540a8699b46535be6a085be3414947d63 \
8e48d9e93
     Salt = l5Xryew4g*!oa(ECfX2o
```

```
&lt;/Pass&gt;
```

Declared by:
<nixpkgs/nixos/modules/services/networking/znc/options.nix>

services.znc.confOptions.port
Specifies the port on which to listen.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
5000
```

Declared by:
<nixpkgs/nixos/modules/services/networking/znc/options.nix>

services.znc.confOptions.uriPrefix
An optional URI prefix for the ZNC web interface. Can be used to make ZNC available behind a reverse proxy.

Type: null or string

Default:

```
null
```

Example:

```
"/znc/"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/znc/options.nix>

services.znc.confOptions.useSSL
Indicates whether the ZNC server should use SSL when listening on the specified port. A self−signed certificate will be generated.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/znc/options.nix>

services.znc.confOptions.userModules
A list of user modules to include in the *znc.conf* file.

Type: list of string

Default:

```
[
  "chansaver"
  "controlpanel"
]
```

Example:

```
[
  "chansaver"
  "controlpanel"
  "fish"
  "push"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/znc/options.nix>

services.znc.confOptions.userName
The user name used to log in to the ZNC web admin interface.

Type: string

Default:

```
"znc"
```

Example:

```
"johntron"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/znc/options.nix>

services.znc.config
Configuration for ZNC, see **https://wiki.znc.in/Configuration** for details. The Nix value declared here will be translated directly to the xml−like format ZNC expects. This is much more flexible than the legacy options under **services.znc.confOptions.***, but also can't do any type checking.

You can use **nix−instantiate −−eval −−strict '<nixpkgs/nixos>' −A config.services.znc.config** to view the current value. By default it contains a listener for port 5000 with SSL enabled.

Nix attributes called 'extraConfig' will be inserted verbatim into the resulting config file.

If **services.znc.useLegacyConfig** is turned on, the option values in **services.znc.confOptions.*** will be gracefully be applied to this option.

If you intend to update the configuration through this option, be sure to disable **services.znc.mutable**, otherwise none of the changes here will be applied after the initial deploy.

Type: attribute set of (znc values (null, atoms (str, int, bool), list of atoms, or attrsets of znc values))

Default:

```
{ }
```

Example:

```
{
  LoadModule = [ "webadmin" "adminlog" ];
  User.paul = {
    Admin = true;
    Nick = "paul";
    AltNick = "paul1";
    LoadModule = [ "chansaver" "controlpanel" ];
    Network.libera = {
      Server = "irc.libera.chat +6697";
      LoadModule = [ "simple_away" ];
      Chan = {
        "#nixos" = { Detached = false; };
        "##linux" = { Disabled = true; };
      };
    };
    Pass.password = {
      Method = "sha256";
      Hash = "e2ce303c7ea75c571d80d8540a8699b46535be6a085be3414947d \
638e48d9e93";
      Salt = "l5Xryew4g*!oa(ECfX2o";
```

```
    };
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/znc/default.nix>

services.znc.configFile
Configuration file for ZNC. It is recommended to use the **config** option instead.

Setting this option will override any auto−generated config file through the **confOptions** or **config** options.

Type: absolute path

Example:

```
~/.znc/configs/znc.conf
```

Declared by:
<nixpkgs/nixos/modules/services/networking/znc/default.nix>

services.znc.dataDir
The state directory for ZNC. The config and the modules will be linked to from this directory as well.

Type: absolute path

Default:

```
"/var/lib/znc"
```

Example:

```
"/home/john/.znc"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/znc/default.nix>

services.znc.extraFlags
Extra arguments to use for executing znc.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--debug"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/znc/default.nix>

services.znc.group
Group to own the ZNC process.

Type: string

Default:

```
"znc"
```

Example:

```
"users"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/znc/default.nix>

services.znc.modulePackages
A list of global znc module packages to add to znc.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.zncModules.fish pkgs.zncModules.push ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/znc/default.nix>

services.znc.mutable
Indicates whether to allow the contents of the ‘dataDir’ directory to be changed by the user at run−time.

If enabled, modifications to the ZNC configuration after its initial creation are not overwritten by a NixOS rebuild. If disabled, the ZNC configuration is rebuilt on every NixOS rebuild.

If the user wants to manage the ZNC service using the web admin interface, this option should be enabled.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/znc/default.nix>

services.znc.openFirewall
Whether to open ports in the firewall for ZNC. Does work with ports for listeners specified in **services.znc.config.Listener**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/networking/znc/default.nix>

services.znc.useLegacyConfig
Whether to propagate the legacy options under **services.znc.confOptions.*** to the znc config. If this is turned on, the znc config will contain a user with the default name “znc”, global modules “webadmin” and “adminlog” will be enabled by default, and more, all controlled through the **services.znc.confOptions.*** options. You can use **nix−instantiate −−eval −−strict '<nixpkgs/nixos>' −A config.services.znc.config** to view the current value of the config.

In any case, if you need more flexibility, **services.znc.config** can be used to override/add to all of the legacy options.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/networking/znc/options.nix>

services.znc.user
The name of an existing user account to use to own the ZNC server process. If not specified, a default user will be created.

Type: string

Default:

```
"znc"
```

Example:

```
"john"
```

Declared by:
<nixpkgs/nixos/modules/services/networking/znc/default.nix>

services.zoneminder.enable
Whether to enable ZoneMinder.

If you intend to run the database locally, you should set ‘config.services.zoneminder.database.createLocally’ to true. Otherwise, when set to ‘false’ (the default), you will have to create the database and database user as well as populate the database yourself. Additionally, you will need to run ‘zmupdate.pl’ yourself when upgrading to a newer version .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/zoneminder.nix>

services.zoneminder.cameras
Set this to the number of cameras you expect to support.

Type: signed integer

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/services/misc/zoneminder.nix>

services.zoneminder.database.createLocally
Create the database and database user locally.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/zoneminder.nix>

services.zoneminder.database.host
Hostname hosting the database.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/zoneminder.nix>

services.zoneminder.database.name
Name of database.

Type: string

Default:

```
"zm"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/zoneminder.nix>

services.zoneminder.database.password
Username for accessing the database. Not used if ‘createLocally’ is set.

Type: string

Default:

```
"zmpass"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/zoneminder.nix>

services.zoneminder.database.username
Username for accessing the database.

Type: string

Default:

```
"zmuser"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/zoneminder.nix>

services.zoneminder.extraConfig
Additional configuration added verbatim to the configuration file.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/services/misc/zoneminder.nix>

services.zoneminder.hostname
The hostname on which to listen.

Type: string

Default:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/zoneminder.nix>

services.zoneminder.openFirewall
Open the firewall port(s).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/services/misc/zoneminder.nix>

services.zoneminder.port
The port on which to listen.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
8095
```

Declared by:
<nixpkgs/nixos/modules/services/misc/zoneminder.nix>

services.zoneminder.storageDir
ZoneMinder can generate quite a lot of data, so in case you don't want to use the default /var/lib/zoneminder, you can override the path here.

Type: null or string

Default:

```
null
```

Example:

```
"/storage/tank"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/zoneminder.nix>

services.zoneminder.webserver
The webserver to configure for the PHP frontend.

Set it to 'none' if you want to configure it yourself. PRs are welcome for support for other web servers.

Type: one of "nginx", "none"

Default:

```
"nginx"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/zoneminder.nix>

services.zookeeper.enable
Whether to enable Zookeeper.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/misc/zookeeper.nix>

services.zookeeper.package
The zookeeper package to use.

Type: package

Default:

```
pkgs.zookeeper
```

Declared by:
<nixpkgs/nixos/modules/services/misc/zookeeper.nix>

services.zookeeper.dataDir
Data directory for Zookeeper

Type: absolute path

Default:

```
"/var/lib/zookeeper"
```

Declared by:
<nixpkgs/nixos/modules/services/misc/zookeeper.nix>

services.zookeeper.extraCmdLineOptions
Extra command line options for the Zookeeper launcher.

Type: list of string

Default:

```
[
  "-Dcom.sun.management.jmxremote"
  "-Dcom.sun.management.jmxremote.local.only=true"
]
```

Example:

```
[
  "-Djava.net.preferIPv4Stack=true"
  "-Dcom.sun.management.jmxremote"
  "-Dcom.sun.management.jmxremote.local.only=true"
]
```

Declared by:
<nixpkgs/nixos/modules/services/misc/zookeeper.nix>

services.zookeeper.extraConf
Extra configuration for Zookeeper.

Type: strings concatenated with “\n”

Default:

```
initLimit=5
syncLimit=2
tickTime=2000
```

Declared by:
<nixpkgs/nixos/modules/services/misc/zookeeper.nix>

services.zookeeper.id

Zookeeper ID.

Type: signed integer

Default:

Declared by:

<**nixpkgs/nixos/modules/services/misc/zookeeper.nix**>

services.zookeeper.jre

The JRE with which to run Zookeeper

Type: package

Default:

```
pkgs.zookeeper.jre
```

Example:

```
pkgs.jre
```

Declared by:

<**nixpkgs/nixos/modules/services/misc/zookeeper.nix**>

services.zookeeper.logging

Zookeeper logging configuration, logback.xml.

Type: strings concatenated with “\n”

Default:

```
  <configuration>
    <property name="zookeeper.console.threshold" value="INFO" />
    <property name="zookeeper.log.dir" value="." />
    <property name="zookeeper.log.file" value="zookeeper.log" />
    <property name="zookeeper.log.threshold" value="INFO" />
    <property name="zookeeper.log.maxfilesize" value="256MB" />
    <property name="zookeeper.log.maxbackupindex" value="20" />
    <appender name="CONSOLE" class="ch.qos.logback.core.ConsoleAppe \
nder">
      <encoder>
        <pattern>%d{ISO8601} [myid:%X{myid}] - %-5p [%t:%C{1}@%L] \
 - %m%n</pattern>
      </encoder>
      <filter class="ch.qos.logback.classic.filter.ThresholdFilter" \
>
        <level>''${zookeeper.console.threshold}</level>
      </filter>
    </appender>
    <root level="INFO">
      <appender-ref ref="CONSOLE" />
    </root>
  </configuration>
```

Declared by:

<**nixpkgs/nixos/modules/services/misc/zookeeper.nix**>

services.zookeeper.port

Zookeeper Client port.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
2181
```

Declared by:

<nixpkgs/nixos/modules/services/misc/zookeeper.nix>

services.zookeeper.preferIPv4

Add the −Djava.net.preferIPv4Stack=true flag to the Zookeeper server.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/misc/zookeeper.nix>

services.zookeeper.purgeInterval

The time interval in hours for which the purge task has to be triggered. Set to a positive integer (1 and above) to enable the auto purging.

Type: signed integer

Default:

```
1
```

Declared by:

<nixpkgs/nixos/modules/services/misc/zookeeper.nix>

services.zookeeper.servers

All Zookeeper Servers.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
server.0=host0:2888:3888
server.1=host1:2888:3888
server.2=host2:2888:3888
```

Declared by:

<nixpkgs/nixos/modules/services/misc/zookeeper.nix>

services.zram−generator.enable

Whether to enable Systemd unit generator for zram devices.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/system/zram−generator.nix>

services.zram−generator.package
The zram−generator package to use.

Type: package

Default:

```
pkgs.zram-generator
```

Declared by:
<nixpkgs/nixos/modules/services/system/zram−generator.nix>

services.zram−generator.settings
Configuration for zram−generator, see **https://github.com/systemd/zram−generator** for documentation.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/system/zram−generator.nix>

services.zrepl.enable
Whether to enable zrepl.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/services/backup/zrepl.nix>

services.zrepl.package
The zrepl package to use.

Type: package

Default:

```
pkgs.zrepl
```

Declared by:
<nixpkgs/nixos/modules/services/backup/zrepl.nix>

services.zrepl.settings
Configuration for zrepl. See **https://zrepl.github.io/configuration.html** for more information.

Type: open submodule of (YAML 1.1 value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/backup/zrepl.nix>

services.zwave−js.enable

Whether to enable the zwave−js server on boot.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/home−automation/zwave−js.nix>

services.zwave−js.package

The zwave−js−server package to use.

Type: package

Default:

```
pkgs.zwave−js−server
```

Declared by:

<nixpkgs/nixos/modules/services/home−automation/zwave−js.nix>

services.zwave−js.extraFlags

Extra flags to pass to command

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "−−mock−driver"
]
```

Declared by:

<nixpkgs/nixos/modules/services/home−automation/zwave−js.nix>

services.zwave−js.port

Port for the server to listen on.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
3000
```

Declared by:

<nixpkgs/nixos/modules/services/home−automation/zwave−js.nix>

services.zwave−js.secretsConfigFile

JSON file containing secret keys. A dummy example:

```
{
  "securityKeys": {
    "S0_Legacy": "AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA",
    "S2_Unauthenticated": "BBBBBBBBBBBBBBBBBBBBBBBBBBBBBB",
    "S2_Authenticated": "CCCCCCCCCCCCCCCCCCCCCCCCCCCCCC",
    "S2_AccessControl": "DDDDDDDDDDDDDDDDDDDDDDDDDDDDDD"
  }
```

```
}
```

See **https://zwave-js.github.io/node-zwave-js/#/getting-started/security-s2** for details. This file will be merged with the module-generated config file (taking precedence).

Z-Wave keys can be generated with:

< /dev/urandom tr -dc A-F0-9 | head -c32 ;echo

Warning
A file in the nix store should not be used since it will be readable to all users.

Type: absolute path

Example:

```
"/secrets/zwave-js-keys.json"
```

Declared by:
<nixpkgs/nixos/modules/services/home-automation/zwave-js.nix>

services.zwave-js.serialPort
Serial port device path for Z-Wave controller.

Type: absolute path

Example:

```
"/dev/ttyUSB0"
```

Declared by:
<nixpkgs/nixos/modules/services/home-automation/zwave-js.nix>

services.zwave-js.settings
Configuration settings for the generated config file.

This config is combined with the contents of 'secretsConfigFile' and passed to zwave-js-server via '--config'. The project's README **1** states that the config must follow the Z-Wave JS config format **2**.

Warning
Secrets should go in 'secretsConfigFile'. The contents of 'settings' is written to the nix store, which is world-readable.

Type: open submodule of (JSON value)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/services/home-automation/zwave-js.nix>

services.zwave-js.settings.storage.cacheDir
Cache directory

Type: absolute path *(read only)*

Default:

```
"/var/cache/zwave-js"
```

Declared by:
<nixpkgs/nixos/modules/services/home-automation/zwave-js.nix>

services.zwave−js−ui.enable

Whether to enable zwave−js−ui.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/services/home−automation/zwave−js−ui.nix>

services.zwave−js−ui.package

The zwave−js−ui package to use.

Type: package

Default:

```
pkgs.zwave−js−ui
```

Declared by:

<nixpkgs/nixos/modules/services/home−automation/zwave−js−ui.nix>

services.zwave−js−ui.serialPort

Serial port for the Z−Wave controller.

Only used to grant permissions to the device; must be additionally configured in the application

Type: absolute path

Example:

```
"/dev/serial/by−id/usb−example"
```

Declared by:

<nixpkgs/nixos/modules/services/home−automation/zwave−js−ui.nix>

services.zwave−js−ui.settings

Extra environment variables passed to the zwave−js−ui process.

Check **https://zwave−js.github.io/zwave−js−ui/#/guide/env−vars** for possible options

Type: open submodule of attribute set of (null or string or absolute path or package)

Example:

```
{
  HOST = "::";
  PORT = "8091";
}
```

Declared by:

<nixpkgs/nixos/modules/services/home−automation/zwave−js−ui.nix>

specialisation

Additional configurations to build. If ‘inheritParentConfig’ is true, the system will be based on the overall system configuration.

To switch to a specialised configuration (e.g. ‘fewJobsManyCores’) at runtime, run:

```
sudo /run/current−system/specialisation/fewJobsManyCores/bin/switc \
h−to−configuration test
```

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{ fewJobsManyCores.configuration = { nix.settings = { core = 0; max \
−jobs = 1; }; }; }
```

Declared by:
<nixpkgs/nixos/modules/system/activation/specialisation.nix>

specialisation.<name>.configuration
Arbitrary NixOS configuration.

Anything you can add to a normal NixOS configuration, you can add here, including imports and config values, although nested specialisations will be ignored.

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/system/activation/specialisation.nix>

specialisation.<name>.inheritParentConfig
Include the entire system's configuration. Set to false to make a completely differently configured system.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/activation/specialisation.nix>

swapDevices
The swap devices and swap files. These must have been initialised using **mkswap**. Each element should be an attribute set specifying either the path of the swap device or file ('device') or the label of the swap device ('label', see **mkswap −L**). Using a label is recommended.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    device = "/dev/hda7";
  }
  {
    device = "/var/swapfile";
  }
  {
    label = "bigswap";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/tasks/encrypted−devices.nix>
<nixpkgs/nixos/modules/config/swap.nix>

swapDevices.*.device
Path of the device or swap file.

Type: non−empty string

Example:

```
"/dev/sda3"
```

Declared by:
<nixpkgs/nixos/modules/config/swap.nix>

swapDevices.*.discardPolicy
Specify the discard policy for the swap device. If “once”, then the whole swap space is discarded at swapon invocation. If “pages”, asynchronous discard on freed pages is performed, before returning to the available pages pool. With “both”, both policies are activated. See **swapon**(8) for more information.

Type: null or one of “once”, “pages”, “both”

Default:

```
null
```

Example:

```
"once"
```

Declared by:
<nixpkgs/nixos/modules/config/swap.nix>

swapDevices.*.encrypted.enable
The block device is backed by an encrypted one, adds this device as a initrd luks entry.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/tasks/encrypted−devices.nix>

swapDevices.*.encrypted.blkDev
Location of the backing encrypted device.

Type: null or string

Default:

```
null
```

Example:

```
"/dev/sda1"
```

Declared by:
<nixpkgs/nixos/modules/tasks/encrypted−devices.nix>

swapDevices.*.encrypted.keyFile
Path to a keyfile used to unlock the backing encrypted device. When systemd stage 1 is not enabled, at the time this keyfile is accessed, the ‘neededForBoot’ filesystems (see ‘utils.fsNeededForBoot’) will have been mounted under ‘/mnt−root’, so the keyfile path should usually start with “/mnt−root/”. When systemd stage 1 is enabled, ‘fsNeededForBoot’ file systems will be mounted as needed under ‘/sysroot’, and the keyfile will not be accessed until its requisite mounts are done.

Type: null or string

Default:

```
null
```

Example:

```
"/mnt-root/root/.swapkey"
```

Declared by:
<nixpkgs/nixos/modules/tasks/encrypted-devices.nix>

swapDevices.*.encrypted.label
Label of the unlocked encrypted device. Set ‘fileSystems.<name?>.device’ to ‘/dev/mapper/<label>’ to mount the unlocked device.

Type: null or string

Default:

```
null
```

Example:

```
"rootfs"
```

Declared by:
<nixpkgs/nixos/modules/tasks/encrypted-devices.nix>

swapDevices.*.label
Label of the device. Can be used instead of *device*.

Type: string

Example:

```
"swap"
```

Declared by:
<nixpkgs/nixos/modules/config/swap.nix>

swapDevices.*.options
Options used to mount the swap.

Type: list of non-empty string

Default:

```
[
  "defaults"
]
```

Example:

```
[
  "nofail"
]
```

Declared by:
<nixpkgs/nixos/modules/config/swap.nix>

swapDevices.*.priority
Specify the priority of the swap device. Priority is a value between 0 and 32767. Higher numbers indicate higher priority. null lets the kernel choose a priority, which will show up as a negative value.

Type: null or signed integer

Default:

```
null
```

Example:

```
2048
```

Declared by:
<nixpkgs/nixos/modules/config/swap.nix>

swapDevices.*.randomEncryption
Encrypt swap device with a random key. This way you won't have a persistent swap device.

HINT: run "cryptsetup benchmark" to test cipher performance on your machine.

WARNING: Don't try to hibernate when you have at least one swap partition with this option enabled! We have no way to set the partition into which hibernation image is saved, so if your image ends up on an encrypted one you would lose it!

WARNING #2: Do not use /dev/disk/by−uuid/… or /dev/disk/by−label/… as your swap device when using randomEncryption as the UUIDs and labels will get erased on every boot when the partition is encrypted. Best to use /dev/disk/by−partuuid/…

Type: (submodule) or boolean convertible to it

Default:

```
false
```

Example:

```
{
  cipher = "serpent-xts-plain64";
  enable = true;
  source = "/dev/random";
}
```

Declared by:
<nixpkgs/nixos/modules/config/swap.nix>

swapDevices.*.randomEncryption.enable
Encrypt swap device with a random key. This way you won't have a persistent swap device.

WARNING: Don't try to hibernate when you have at least one swap partition with this option enabled! We have no way to set the partition into which hibernation image is saved, so if your image ends up on an encrypted one you would lose it!

WARNING #2: Do not use /dev/disk/by−uuid/… or /dev/disk/by−label/… as your swap device when using randomEncryption as the UUIDs and labels will get erased on every boot when the partition is encrypted. Best to use /dev/disk/by−partuuid/…

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/config/swap.nix>

swapDevices.*.randomEncryption.allowDiscards
Whether to allow TRIM requests to the underlying device. This option has security implications; please read the LUKS documentation before activating it.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/config/swap.nix>

swapDevices.*.randomEncryption.cipher
Use specified cipher for randomEncryption.

Hint: Run “cryptsetup benchmark” to see which one is fastest on your machine.

Type: string

Default:

```
"aes-xts-plain64"
```

Example:

```
"serpent-xts-plain64"
```

Declared by:
<nixpkgs/nixos/modules/config/swap.nix>

swapDevices.*.randomEncryption.keySize
Set the encryption key size for the plain device.

If not specified, the amount of data to read from ‘source’ will be determined by cryptsetup.

See **cryptsetup-open**(8) for details.

Type: null or signed integer

Default:

```
null
```

Example:

```
"512"
```

Declared by:
<nixpkgs/nixos/modules/config/swap.nix>

swapDevices.*.randomEncryption.sectorSize
Set the sector size for the plain encrypted device type.

If not specified, the default sector size is determined from the underlying block device.

See **cryptsetup-open**(8) for details.

Type: null or signed integer

Default:

```
null
```

Example:

```
"4096"
```

Declared by:
<nixpkgs/nixos/modules/config/swap.nix>

swapDevices.*.randomEncryption.source
Define the source of randomness to obtain a random key for encryption.

Type: string

Default:

```
"/dev/urandom"
```

Example:

```
"/dev/random"
```

Declared by:

<nixpkgs/nixos/modules/config/swap.nix>

swapDevices.*.size

If this option is set, 'device' is interpreted as the path of a swapfile that will be created automatically with the indicated size in MiB (1024×1024 bytes).

Type: null or signed integer

Default:

```
null
```

Example:

```
2048
```

Declared by:

<nixpkgs/nixos/modules/config/swap.nix>

system.activatable

Whether to add the activation script to the system profile.

The default, to have the script available all the time, is what we normally do, but for image based systems, this may not be needed or not be desirable.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/activation/activatable−system.nix>

system.activationScripts

A set of shell script fragments that are executed when a NixOS system configuration is activated. Examples are updating /etc, creating accounts, and so on. Since these are executed every time you boot the system or run **nixos−rebuild**, it's important that they are idempotent and fast.

Type: attribute set of (string or (submodule))

Default:

```
{ }
```

Example:

```
{
  stdio = {
    # Run after /dev has been mounted
    deps = [ "specialfs" ];
    text =
      ''
        # Needed by some programs.
        ln −sfn /proc/self/fd /dev/fd
        ln −sfn /proc/self/fd/0 /dev/stdin
        ln −sfn /proc/self/fd/1 /dev/stdout
        ln −sfn /proc/self/fd/2 /dev/stderr
      '';
  };
}
```

Declared by:
<nixpkgs/nixos/modules/system/activation/activation−script.nix>

system.autoUpgrade.enable
Whether to periodically upgrade NixOS to the latest version. If enabled, a systemd timer will run ‘nixos−rebuild switch −−upgrade’ once a day.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/tasks/auto−upgrade.nix>

system.autoUpgrade.allowReboot
Reboot the system into the new generation instead of a switch if the new generation uses a different kernel, kernel modules or initrd than the booted system. See **rebootWindow** for configuring the times at which a reboot is allowed.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/tasks/auto−upgrade.nix>

system.autoUpgrade.channel
The URI of the NixOS channel to use for automatic upgrades. By default, this is the channel set using **nix−channel** (run ‘nix−channel −−list’ to see the current value).

Type: null or string

Default:

```
null
```

Example:

```
"https://channels.nixos.org/nixos−14.12−small"
```

Declared by:
<nixpkgs/nixos/modules/tasks/auto−upgrade.nix>

system.autoUpgrade.dates
How often or when upgrade occurs. For most desktop and server systems a sufficient upgrade frequency is once a day.

The format is described in **systemd.time**(7).

Type: string

Default:

```
"04:40"
```

Example:

```
"daily"
```

Declared by:
<nixpkgs/nixos/modules/tasks/auto−upgrade.nix>

system.autoUpgrade.fixedRandomDelay

Make the randomized delay consistent between runs. This reduces the jitter between automatic upgrades. See **randomizedDelaySec** for configuring the randomized delay.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/tasks/auto−upgrade.nix>

system.autoUpgrade.flags

Any additional flags passed to **nixos−rebuild**.

If you are using flakes and use a local repo you can add **["−−update−input" "nixpkgs" "−−commit−lock−file"]** to update nixpkgs.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "−I"
  "stuff=/home/alice/nixos−stuff"
  "−−option"
  "extra−binary−caches"
  "http://my−cache.example.org/"
]
```

Declared by:

<nixpkgs/nixos/modules/tasks/auto−upgrade.nix>

system.autoUpgrade.flake

The Flake URI of the NixOS configuration to build. Disables the option **system.autoUpgrade.channel**.

Type: null or string

Default:

```
null
```

Example:

```
"github:kloenk/nix"
```

Declared by:

<nixpkgs/nixos/modules/tasks/auto−upgrade.nix>

system.autoUpgrade.operation

Whether to run ‘nixos−rebuild switch −−upgrade’ or run ‘nixos−rebuild boot −−upgrade’

Type: one of “switch”, “boot”

Default:

```
"switch"
```

Example:

```
"boot"
```

Declared by:

<nixpkgs/nixos/modules/tasks/auto−upgrade.nix>

system.autoUpgrade.persistent

Takes a boolean argument. If true, the time when the service unit was last triggered is stored on disk. When the timer is activated, the service unit is triggered immediately if it would have been triggered at least once during the time when the timer was inactive. Such triggering is nonetheless subject to the delay imposed by RandomizedDelaySec=. This is useful to catch up on missed runs of the service when the system was powered down.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:

<nixpkgs/nixos/modules/tasks/auto−upgrade.nix>

system.autoUpgrade.randomizedDelaySec

Add a randomized delay before each automatic upgrade. The delay will be chosen between zero and this value. This value must be a time span in the format specified by **systemd.time**(7)

Type: string

Default:

```
"0"
```

Example:

```
"45min"
```

Declared by:

<nixpkgs/nixos/modules/tasks/auto−upgrade.nix>

system.autoUpgrade.rebootWindow

Define a lower and upper time value (in HH:MM format) which constitute a time window during which reboots are allowed after an upgrade. This option only has an effect when **allowReboot** is enabled. The default value of ‘null’ means that reboots are allowed at any time.

Type: null or (submodule)

Default:

```
null
```

Example:

```
{
  lower = "01:00";
  upper = "05:00";
}
```

Declared by:

<nixpkgs/nixos/modules/tasks/auto−upgrade.nix>

system.autoUpgrade.rebootWindow.lower
Lower limit of the reboot window

Type: string matching the pattern [[:digit:]]{2}:[[:digit:]]{2}

Example:

```
"01:00"
```

Declared by:
<nixpkgs/nixos/modules/tasks/auto−upgrade.nix>

system.autoUpgrade.rebootWindow.upper
Upper limit of the reboot window

Type: string matching the pattern [[:digit:]]{2}:[[:digit:]]{2}

Example:

```
"05:00"
```

Declared by:
<nixpkgs/nixos/modules/tasks/auto−upgrade.nix>

system.autoUpgrade.runGarbageCollection
Whether to automatically run ‘nix−gc.service’ after a successful system upgrade.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/tasks/auto−upgrade.nix>

system.autoUpgrade.upgrade
Disable adding the ‘−−upgrade’ parameter when ‘channel’ is not set, such as when upgrading to the latest version of a flake honouring its lockfile.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/tasks/auto−upgrade.nix>

system.build
Attribute set of derivations used to set up the system.

Type: open submodule of lazy attribute set of unspecified value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/system/build.nix>
<nixpkgs/nixos/modules/hardware/facter/debug.nix>
<nixpkgs/nixos/modules/system/activation/top−level.nix>
<nixpkgs/nixos/modules/system/activation/activation−script.nix>
<nixpkgs/nixos/modules/system/activation/activatable−system.nix>
<nixpkgs/nixos/modules/image/images.nix>

system.build.images

Different target images generated for this NixOS configuration.

Type: lazy attribute set of raw value *(read only)*

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/image/images.nix>

system.build.noFacter

A version of the system closure with facter disabled

Type: unspecified value

Declared by:

<nixpkgs/nixos/modules/hardware/facter/debug.nix>

system.build.separateActivationScript

A separate activation script package that's not part of the system profile.

This is useful for configurations where 'system.activatable' is 'false'. Otherwise, you can just use 'system.build.toplevel'.

Type: package

Declared by:

<nixpkgs/nixos/modules/system/activation/activatable−system.nix>

system.build.toplevel

This option contains the store path that typically represents a NixOS system.

You can read this path in a custom deployment tool for example.

Type: package *(read only)*

Declared by:

<nixpkgs/nixos/modules/system/activation/top−level.nix>

system.checks

Packages that are added as dependencies of the system's build, usually for the purpose of validating some part of the configuration.

Unlike 'system.extraDependencies', these store paths do not become part of the built system configuration.

Type: list of package

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/activation/top−level.nix>

system.configurationRevision

The Git revision of the top−level flake from which this configuration was built.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/misc/version.nix>

system.copySystemConfiguration
If enabled, copies the NixOS configuration file (usually */etc/nixos/configuration.nix*) and symlinks it from the resulting system (getting to */run/current−system/configuration.nix*). Note that only this single file is copied, even if it imports others. Warning: This feature cannot be used when the system is configured by a flake

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/system/activation/top−level.nix>

system.etc.overlay.enable
Mount ‘/etc’ as an overlayfs instead of generating it via a perl script.

Note: This is currently experimental. Only enable this option if you’re confident that you can recover your system if it breaks.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/system/etc/etc.nix>

system.etc.overlay.mutable
Whether to mount ‘/etc’ mutably (i.e. read−write) or immutably (i.e. read−only).

If this is false, only the immutable lowerdir is mounted. If it is true, a writable upperdir is mounted on top.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/etc/etc.nix>

system.extraDependencies
A list of paths that should be included in the system closure but generally not visible to users.

This option has also been used for build−time checks, but the ‘system.checks’ option is more appropriate for that purpose as checks should not leave a trace in the built system configuration.

Type: list of path in the Nix store

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/activation/top−level.nix>

system.forbiddenDependenciesRegexes

POSIX Extended Regular Expressions that match store paths that should not appear in the system closure, with the exception of **system.extraDependencies**, which is not checked.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "-dev$"
]
```

Declared by:

<nixpkgs/nixos/modules/system/activation/top-level.nix>

system.image.id

Image identifier.

This corresponds to the 'IMAGE_ID' field in **os-release**(5). See the upstream docs for more details on valid characters for this field: **https://www.freedesktop.org/software/systemd/man/latest/os-release.html#IMAGE_ID=**

You would only want to set this option if you're build NixOS appliance images.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/misc/version.nix>

system.image.version

Image version.

This corresponds to the 'IMAGE_VERSION' field in **os-release**(5). See the upstream docs for more details on valid characters for this field: **https://www.freedesktop.org/software/systemd/man/latest/os-release.html#IMAGE_VERSION=**

You would only want to set this option if you're build NixOS appliance images.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/misc/version.nix>

system.includeBuildDependencies

Whether to include the build closure of the whole system in its runtime closure. This can be useful for making changes fully offline, as it includes all sources, patches, and intermediate outputs required to build all the derivations that the system depends on.

Note that this includes *all* the derivations, down from the included applications to their sources, the compilers used to build them, and even the bootstrap compiler used to compile the compilers. This increases the size of the system and the time needed to download its dependencies drastically: a minimal configuration with no extra services enabled grows from ~670MiB in size to 13.5GiB, and takes proportionally longer to download.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/system/activation/top−level.nix>

system.name

The name of the system used in the **system.build.toplevel** derivation.

That derivation has the following name: ‘"nixos−system−${config.system.name}−${config.system.nixos.label}"’

Type: string

Default:

```
if config.networking.hostName == ""
then "unnamed"
else config.networking.hostName;
```

Declared by:

<nixpkgs/nixos/modules/system/activation/top−level.nix>

system.nixos.codeName

The NixOS release code name (e.g. ‘Emu’).

Type: string *(read only)*

Default:

```
"Yarara"
```

Declared by:

<nixpkgs/nixos/modules/misc/version.nix>

system.nixos.label

NixOS version name to be used in the names of generated outputs and boot labels.

If you ever wanted to influence the labels in your GRUB menu, this is the option for you.

It can only contain letters, numbers and the following symbols: ‘:’, ‘_’, ‘.’ and ‘−’.

The default is **system.nixos.tags** separated by “−” + “−” + **NIXOS_LABEL_VERSION** environment variable (defaults to the value of **system.nixos.version**).

Can be overridden by setting **NIXOS_LABEL**.

Useful for not loosing track of configurations built from different nixos branches/revisions, e.g.:

```
#!/bin/sh
today=‘date +%Y%m%d‘
branch=‘(cd nixpkgs ; git branch 2>/dev/null | sed −n ’/^\* /  \
{ s|^\* ||; p; }’)‘
revision=‘(cd nixpkgs ; git rev−parse HEAD)‘
export NIXOS_LABEL_VERSION="$today.$branch−${revision:0:7}"
nixos−rebuild switch
```

Type: string matching the pattern [a−zA−Z0−9:_\.−]*

Declared by:

<nixpkgs/nixos/modules/misc/label.nix>

system.nixos.release

The NixOS release (e.g. ‘16.03’).

Type: string *(read only)*

Default:

```
"26.05"
```

Declared by:

<nixpkgs/nixos/modules/misc/version.nix>

system.nixos.tags

Strings to prefix to the default **system.nixos.label**.

Useful for not losing track of configurations built with different options, e.g.:

```
{
  system.nixos.tags = [ "with-xen" ];
  virtualisation.xen.enable = true;
}
```

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "with-xen"
]
```

Declared by:

<nixpkgs/nixos/modules/misc/label.nix>

system.nixos.variantName

A string identifying a specific variant or edition of the operating system suitable for presentation to the user

Type: null or string

Default:

```
null
```

Example:

```
"NixOS Installer Image"
```

Declared by:

<nixpkgs/nixos/modules/misc/version.nix>

system.nixos.variant_id

A lower-case string identifying a specific variant or edition of the operating system

Type: null or string matching the pattern ^[a-z0-9._-]+$

Default:

```
null
```

Example:

```
"installer"
```

Declared by:
<nixpkgs/nixos/modules/misc/version.nix>

system.nixos−init.enable
Whether to enable nixos−init, a system for bashless initialization.

This doesn't use any 'activationScripts'. Anything set in these options is a no−op here. .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/activation/nixos−init.nix>

system.nixos−init.package
The nixos−init package to use.

Type: package

Default:

```
pkgs.nixos−init
```

Declared by:
<nixpkgs/nixos/modules/system/activation/nixos−init.nix>

system.nssDatabases.group
List of group entries to configure in */etc/nsswitch.conf*.

Note that "files" is always prepended while "systemd" is appended if nscd is enabled.

This option only takes effect if nscd is enabled.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/config/nsswitch.nix>

system.nssDatabases.hosts
List of hosts entries to configure in */etc/nsswitch.conf*.

Note that "files" is always prepended, and "dns" and "myhostname" are always appended.

This option only takes effect if nscd is enabled.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/config/nsswitch.nix>

system.nssDatabases.passwd

List of passwd entries to configure in */etc/nsswitch.conf*.

Note that “files” is always prepended while “systemd” is appended if nscd is enabled.

This option only takes effect if nscd is enabled.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/config/nsswitch.nix>

system.nssDatabases.services

List of services entries to configure in */etc/nsswitch.conf*.

Note that “files” is always prepended.

This option only takes effect if nscd is enabled.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/config/nsswitch.nix>

system.nssDatabases.shadow

List of shadow entries to configure in */etc/nsswitch.conf*.

Note that “files” is always prepended.

This option only takes effect if nscd is enabled.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/config/nsswitch.nix>

system.nssDatabases.subgid

List of subgid entries to configure in */etc/nsswitch.conf*.

Note that “files” is always prepended.

This option only takes effect if nscd is enabled.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/config/nsswitch.nix>

system.nssDatabases.subuid

List of subuid entries to configure in */etc/nsswitch.conf*.

Note that “files” is always prepended.

This option only takes effect if nscd is enabled.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/config/nsswitch.nix>

system.nssDatabases.sudoers

List of sudoers entries to configure in */etc/nsswitch.conf*.

Note that “files” is always prepended.

This option only takes effect if nscd is enabled.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/config/nsswitch.nix>

system.preSwitchChecks

A set of shell script fragments that are executed before the switch to a new NixOS system configuration. A failure in any of these fragments will cause the switch to fail and exit early. The scripts receive the new configuration path and the action verb passed to switch−to−configuration, as the first and second positional arguments (meaning that you can access them using ‘$1’ and ‘$2’, respectively).

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{ failsEveryTime =
  ''
    false
  '';
}
```

Declared by:

<nixpkgs/nixos/modules/system/activation/pre−switch−check.nix>

system.replaceDependencies.cutoffPackages

Packages to which no replacements should be applied. The initrd is matched by default, because its structure renders the replacement process ineffective and prone to breakage.

Type: list of package

Default:

```
lib.optionals config.boot.initrd.enable [ config.system.build.initi \
alRamdisk ]
```

Declared by:

<nixpkgs/nixos/modules/system/activation/top−level.nix>

system.replaceDependencies.replacements

List of packages to override without doing a full rebuild. The original derivation and replacement derivation must have the same name length, and ideally should have close−to−identical directory layout.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[ ({ oldDependency = pkgs.openssl; newDependency = pkgs.callPackage \
 /path/to/openssl { }; }) ]
```

Declared by:
<nixpkgs/nixos/modules/system/activation/top−level.nix>

system.replaceDependencies.replacements.*.newDependency
The replacement package.

Type: package

Declared by:
<nixpkgs/nixos/modules/system/activation/top−level.nix>

system.replaceDependencies.replacements.*.oldDependency
The original package to override.

Type: package

Declared by:
<nixpkgs/nixos/modules/system/activation/top−level.nix>

system.services
A collection of NixOS **modular services** that are configured as systemd services.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/system/service/systemd/system.nix>

system.stateVersion
This option defines the first version of NixOS you have installed on this particular machine, and is used to maintain compatibility with application data (e.g. databases) created on older NixOS versions.

For example, if NixOS version XX.YY ships with AwesomeDB version N by default, and is then upgraded to version XX.YY+1, which ships AwesomeDB version N+1, the existing databases may no longer be compatible, causing applications to fail, or even leading to data loss.

The ‘stateVersion’ mechanism avoids this situation by making the default version of such packages conditional on the first version of NixOS you’ve installed (encoded in ‘stateVersion’), instead of simply always using the latest one.

Note that this generally only affects applications that can’t upgrade their data automatically − applications and services supporting automatic migrations will remain on latest versions when you upgrade.

Most users should **never** change this value after the initial install, for any reason, even if you’ve upgraded your system to a new NixOS release.

This value does **not** affect the Nixpkgs version your packages and OS are pulled from, so changing it will **not** upgrade your system.

This value being lower than the current NixOS release does **not** mean your system is out of date, out of support, or vulnerable.

Do **not** change this value unless you have manually inspected all the changes it would make to your configuration, and migrated your data accordingly.

Type: string

Default:

```
config.system.nixos.release
```

Declared by:

<nixpkgs/nixos/modules/misc/version.nix>

system.switch.enable

Whether to include the capability to switch configurations.

Disabling this makes the system unable to be reconfigured via ‘nixos−rebuild’.

This is good for image based appliances where updates are handled outside the image. Reducing features makes the image lighter and slightly more secure.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/activation/switchable−system.nix>

system.switch.inhibitors

Attribute set of strings that will prevent switching into a configuration when they change. The switch can be manually forced on the command line if required.

Type: attribute set of string

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/system/activation/switchable−system.nix>

system.tools.nixos−build−vms.enable

Whether to enable nixos−build−vms script.

Type: boolean

Default:

```
"config.nix.enable && !config.system.disableInstallerTools"
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/installer/tools/tools.nix>

system.tools.nixos−enter.enable

Whether to enable nixos−enter script.

Type: boolean

Default:

```
"config.nix.enable && !config.system.disableInstallerTools"
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/installer/tools/tools.nix>

system.tools.nixos−generate−config.enable
Whether to enable nixos−generate−config script.

Type: boolean

Default:

```
"config.nix.enable && !config.system.disableInstallerTools"
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/installer/tools/tools.nix>

system.tools.nixos−install.enable
Whether to enable nixos−install script.

Type: boolean

Default:

```
"config.nix.enable && !config.system.disableInstallerTools"
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/installer/tools/tools.nix>

system.tools.nixos−option.enable
Whether to enable nixos−option script.

Type: boolean

Default:

```
"config.nix.enable && !config.system.disableInstallerTools"
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/installer/tools/tools.nix>

system.tools.nixos−rebuild.enable
Whether to enable nixos−rebuild script.

Type: boolean

Default:

```
"config.nix.enable && !config.system.disableInstallerTools"
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/installer/tools/tools.nix>

system.tools.nixos−version.enable
Whether to enable nixos−version script.

Type: boolean

Default:

```
"config.nix.enable && !config.system.disableInstallerTools"
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/installer/tools/tools.nix>

system.userActivationScripts

A set of shell script fragments that are executed by a systemd user service when a NixOS system configuration is activated. Examples are rebuilding the .desktop file cache for showing applications in the menu. Since these are executed every time you run **nixos−rebuild**, it's important that they are idempotent and fast.

Type: attribute set of (string or (submodule))

Default:

```
{ }
```

Example:

```
{ plasmaSetup = {
    text = ''
      ${pkgs.libsForQt5.kservice}/bin/kbuildsycoca5"
    '';
    deps = [];
  };
}
```

Declared by:

<nixpkgs/nixos/modules/system/activation/activation−script.nix>

systemd.enableEmergencyMode

Whether to enable emergency mode, which is an **sulogin** shell started on the console if mounting a filesystem fails. Since some machines (like EC2 instances) have no console of any kind, emergency mode doesn't make sense, and it's better to continue with the boot insofar as possible.

For initrd emergency access, use boot.initrd.systemd.emergencyAccess instead.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/emergency−mode.nix>

systemd.enableStrictShellChecks

Whether to run 'shellcheck' on the generated scripts for systemd units.

When enabled, all systemd scripts generated by NixOS will be checked with 'shellcheck' and any errors or warnings will cause the build to fail.

This affects all scripts that have been created through the 'script', 'reload', 'preStart', 'postStart', 'preStop' and 'postStop' options for systemd services. This does not affect command lines passed directly to 'ExecStart', 'ExecReload', 'ExecStartPre', 'ExecStartPost', 'ExecStop' or 'ExecStopPost'.

It therefore also does not affect systemd units that are coming from packages and that are not defined through the NixOS config. This option is disabled by default, and although some services have already been fixed, it is still likely that you will encounter build failures when enabling this.

We encourage people to enable this option when they are willing and able to submit fixes for potential build failures to Nixpkgs. The option can also be enabled or disabled for individual services using the 'enableStrictShellChecks' option on the service itself, which will take precedence over the global setting.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.package
The systemd package to use.

Type: package

Default:

```
pkgs.systemd
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.packages
Packages providing systemd units and hooks.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.systemd-cryptsetup-generator ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.additionalUpstreamSystemUnits
Additional units shipped with systemd that shall be enabled.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "debug-shell.service"
  "systemd-quotacheck.service"
]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.automounts
Definition of systemd automount units; see **systemd.automount**(5).

This is a list instead of an attrSet, because systemd mandates the names to be derived from the ‘where’ attribute.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.automounts.*.enable

If set to false, this unit will be a symlink to /dev/null. This is primarily useful to prevent specific template instances (e.g. ‘serial−getty@ttyS0’) from being started. Note that ‘enable=true’ does not make a unit start by default at boot; if you want that, see ‘wantedBy’.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.automounts.*.after

If the specified units are started at the same time as this unit, delay this unit until they have started.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.automounts.*.aliases

Aliases of that unit.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.automounts.*.automountConfig

Each attribute in this set specifies an option in the ‘[Automount]’ section of the unit. See **systemd.automount**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  DirectoryMode = "0775";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.automounts.*.before

If the specified units are started at the same time as this unit, delay them until this unit has started.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.automounts.*.bindsTo

Like ‘requires’, but in addition, if the specified units unexpectedly disappear, this unit will be stopped as well.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.automounts.*.conflicts

If the specified units are started, then this unit is stopped and vice versa.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.automounts.*.description

Description of this unit used in systemd messages and progress indicators.

Type: (optionally newline−terminated) single−line string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.automounts.*.documentation

A list of URIs referencing documentation for this unit or its configuration.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.automounts.*.name

The name of this systemd unit, including its extension. This can be used to refer to this unit from other systemd units.

Type: string

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.automounts.*.onFailure

A list of one or more units that are activated when this unit enters the “failed” state.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.automounts.*.onSuccess

A list of one or more units that are activated when this unit enters the “inactive” state.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.automounts.*.overrideStrategy

Defines how unit configuration is provided for systemd:

‘asDropinIfExists’ creates a unit file when no unit file is provided by the package otherwise it creates a drop−in file named ‘overrides.conf’.

‘asDropin’ creates a drop−in file named ‘overrides.conf’. Mainly needed to define instances for systemd template units (e.g. ‘systemd−nspawn@mycontainer.service’).

See also **systemd.unit**(5).

Type: one of “asDropinIfExists”, “asDropin”

Default:

```
"asDropinIfExists"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.automounts.*.partOf

If the specified units are stopped or restarted, then this unit is stopped or restarted as well.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.automounts.*.reloadTriggers
An arbitrary list of items such as derivations. If any item in the list changes between reconfigurations, the service will be reloaded. If anything but a reload trigger changes in the unit file, the unit will be restarted instead.

Type: list of (systemd option)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.automounts.*.requiredBy
Units that require (i.e. depend on and need to go down with) this unit. As discussed in the 'wantedBy' option description this also creates '.requires' symlinks automatically.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.automounts.*.requires
Start the specified units when this unit is started, and stop this unit when the specified units are stopped or fail.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.automounts.*.requisite
Similar to requires. However if the units listed are not started, they will not be started and the transaction will fail.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.automounts.*.restartTriggers
An arbitrary list of items such as derivations. If any item in the list changes between reconfigurations, the service will be restarted.

Type: list of unspecified value

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.automounts.*.startLimitBurst

Configure unit start rate limiting. Units which are started more than startLimitBurst times within an interval time interval are not permitted to start any more.

Type: signed integer

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.automounts.*.startLimitIntervalSec

Configure unit start rate limiting. Units which are started more than startLimitBurst times within an interval time interval are not permitted to start any more.

Type: signed integer

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.automounts.*.unitConfig

Each attribute in this set specifies an option in the '[Unit]' section of the unit. See **systemd.unit**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  RequiresMountsFor = "/data";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.automounts.*.upheldBy

Keep this unit running as long as the listed units are running. This is a continuously enforced version of wantedBy.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.automounts.*.upholds

Keeps the specified running while this unit is running. A continuous version of 'wants'.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.automounts.*.wantedBy
Units that want (i.e. depend on) this unit. The default method for starting a unit by default at boot time is to set this option to ‘["multi−user.target"]’ for system services. Likewise for user units (‘systemd.user.<name>.*’) set it to ‘["default.target"]’ to make a unit start by default when the user ‘<name>’ logs on.

This option creates a ‘.wants’ symlink in the given target that exists statelessly without the need for running ‘systemctl enable’. The ‘[Install]’ section described in **systemd.unit**(5) however is not supported because it is a stateful process that does not fit well into the NixOS design.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.automounts.*.wants
Start the specified units when this unit is started.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.automounts.*.where
Absolute path of a directory of the mount point. Will be created if it doesn’t exist. (Mandatory)

Type: string

Example:

```
"/mnt"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.coredump.enable
Whether core dumps should be processed by **systemd−coredump**. If disabled, core dumps appear in the current directory of the crashing process.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/coredump.nix>

systemd.coredump.settings.Coredump

Settings for systemd−coredump. See **coredump.conf**(5) for available options.

Type: open submodule of attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Storage = "journal";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/coredump.nix>

systemd.ctrlAltDelUnit

Target that should be started when Ctrl−Alt−Delete is pressed; see **systemd.special**(7).

Type: string

Default:

```
"reboot.target"
```

Example:

```
"poweroff.target"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.defaultUnit

Default unit started when the system boots; see **systemd.special**(7).

Type: string

Default:

```
"multi−user.target"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.generatorEnvironment

Environment variables for systemd generators.

The ‘PATH’ environment variable is populated via ‘systemd.generatorPath’.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  MY_VAR = "my−value";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.generatorPath

Packages added to the ‘PATH’ environment variable of all systemd generators.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.hello ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.generators

Definition of systemd generators; see **systemd.generator**(5).

For each ‘NAME = VALUE’ pair of the attrSet, a link is generated from ‘/etc/systemd/system−generators/NAME’ to ‘VALUE’.

Type: attribute set of absolute path

Default:

```
{ }
```

Example:

```
{
  systemd-gpt-auto-generator = "/dev/null";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.globalEnvironment

Environment variables passed to *all* systemd units.

Type: attribute set of (null or string or absolute path or package)

Default:

```
{ }
```

Example:

```
{
  TZ = "CET";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.managerEnvironment

Environment variables of PID 1. These variables are *not* passed to started units.

Type: attribute set of (null or string or absolute path or package)

Default:

```
{ }
```

Example:

```
{
  SYSTEMD_LOG_LEVEL = "debug";
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.mounts
Definition of systemd mount units; see **systemd.mount**(5).

This is a list instead of an attrSet, because systemd mandates the names to be derived from the 'where' attribute.

Type: list of (submodule)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.mounts.*.enable
If set to false, this unit will be a symlink to /dev/null. This is primarily useful to prevent specific template instances (e.g. 'serial−getty@ttyS0') from being started. Note that 'enable=true' does not make a unit start by default at boot; if you want that, see 'wantedBy'.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.mounts.*.after
If the specified units are started at the same time as this unit, delay this unit until they have started.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.mounts.*.aliases
Aliases of that unit.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.mounts.*.before
If the specified units are started at the same time as this unit, delay them until this unit has started.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.mounts.*.bindsTo
Like ‘requires’, but in addition, if the specified units unexpectedly disappear, this unit will be stopped as well.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.mounts.*.conflicts
If the specified units are started, then this unit is stopped and vice versa.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.mounts.*.description
Description of this unit used in systemd messages and progress indicators.

Type: (optionally newline−terminated) single−line string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.mounts.*.documentation
A list of URIs referencing documentation for this unit or its configuration.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.mounts.*.mountConfig
Each attribute in this set specifies an option in the ‘[Mount]’ section of the unit. See **systemd.mount**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  DirectoryMode = "0775";
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.mounts.*.name
The name of this systemd unit, including its extension. This can be used to refer to this unit from other systemd units.

Type: string

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.mounts.*.onFailure
A list of one or more units that are activated when this unit enters the “failed” state.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.mounts.*.onSuccess
A list of one or more units that are activated when this unit enters the “inactive” state.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.mounts.*.options
Options used to mount the file system.

Type: strings concatenated with “,”

Default:

```
""
```

Example:

```
"noatime"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.mounts.*.overrideStrategy
Defines how unit configuration is provided for systemd:

‘asDropinIfExists’ creates a unit file when no unit file is provided by the package otherwise it creates a drop−in file named ‘overrides.conf’.

‘asDropin’ creates a drop−in file named ‘overrides.conf’. Mainly needed to define instances for systemd template units (e.g. ‘systemd−nspawn@mycontainer.service’).

See also **systemd.unit**(5).

Type: one of “asDropinIfExists”, “asDropin”

Default:

```
"asDropinIfExists"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.mounts.*.partOf
If the specified units are stopped or restarted, then this unit is stopped or restarted as well.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.mounts.*.reloadTriggers
An arbitrary list of items such as derivations. If any item in the list changes between reconfigurations, the service will be reloaded. If anything but a reload trigger changes in the unit file, the unit will be restarted instead.

Type: list of (systemd option)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.mounts.*.requiredBy
Units that require (i.e. depend on and need to go down with) this unit. As discussed in the ‘wantedBy’ option description this also creates ‘.requires’ symlinks automatically.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.mounts.*.requires
Start the specified units when this unit is started, and stop this unit when the specified units are stopped or fail.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.mounts.*.requisite
Similar to requires. However if the units listed are not started, they will not be started and the transaction will fail.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.mounts.*.restartTriggers

An arbitrary list of items such as derivations. If any item in the list changes between reconfigurations, the service will be restarted.

Type: list of unspecified value

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.mounts.*.startLimitBurst

Configure unit start rate limiting. Units which are started more than startLimitBurst times within an interval time interval are not permitted to start any more.

Type: signed integer

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.mounts.*.startLimitIntervalSec

Configure unit start rate limiting. Units which are started more than startLimitBurst times within an interval time interval are not permitted to start any more.

Type: signed integer

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.mounts.*.type

File system type.

Type: string

Default:

```
""
```

Example:

```
"ext4"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.mounts.*.unitConfig

Each attribute in this set specifies an option in the ‘[Unit]’ section of the unit. See **systemd.unit**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  RequiresMountsFor = "/data";
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.mounts.*.upheldBy
Keep this unit running as long as the listed units are running. This is a continuously enforced version of wantedBy.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.mounts.*.upholds
Keeps the specified running while this unit is running. A continuous version of ‘wants’.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.mounts.*.wantedBy
Units that want (i.e. depend on) this unit. The default method for starting a unit by default at boot time is to set this option to ‘["multi−user.target"]’ for system services. Likewise for user units (‘systemd.user.<name>.*’) set it to ‘["default.target"]’ to make a unit start by default when the user ‘<name>’ logs on.

This option creates a ‘.wants’ symlink in the given target that exists statelessly without the need for running ‘systemctl enable’. The ‘[Install]’ section described in **systemd.unit**(5) however is not supported because it is a stateful process that does not fit well into the NixOS design.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.mounts.*.wants
Start the specified units when this unit is started.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.mounts.*.what

Absolute path of device node, file or other resource. (Mandatory)

Type: string

Example:

```
"/dev/sda1"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.mounts.*.where

Absolute path of a directory of the mount point. Will be created if it doesn't exist. (Mandatory)

Type: string

Example:

```
"/mnt"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.network.enable

Whether to enable networkd or not.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.config

Definition of global systemd network config.

Type: submodule

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.config.addRouteTablesToIPRoute2

If true and routeTables are set, then the specified route tables will also be installed into /etc/iproute2/rt_tables.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.config.dhcpV4Config

Each attribute in this set specifies an option in the '[DHCPv4]' section of the networkd config. See **networkd.conf**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  DUIDType = "vendor";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.config.dhcpV6Config

Each attribute in this set specifies an option in the '[DHCPv6]' section of the networkd config. See **networkd.conf**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  DUIDType = "vendor";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.config.networkConfig

Each attribute in this set specifies an option in the '[Network]' section of the networkd config. See **networkd.conf**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{
  IPv6PrivacyExtensions = true;
}
```

Example:

```
{
  ManageForeignRoutingPolicyRules = false;
  SpeedMeter = true;
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.config.routeTables

Defines route table names as an attrset of name to number. See **networkd.conf**(5) for details.

Type: attribute set of signed integer

Default:

```
{ }
```

Example:

```
{
  foo = 27;
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.links
Definition of systemd network links.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.links.<name>.enable
Whether to enable this .link unit. It's handled by udev no matter if **systemd−networkd** is enabled or not

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.links.<name>.extraConfig
Extra configuration append to unit

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.links.<name>.linkConfig
Each attribute in this set specifies an option in the '[Link]' section of the unit. See **systemd.link**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  MACAddress = "00:ff:ee:aa:cc:dd";
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.links.<name>.matchConfig

Each attribute in this set specifies an option in the '[Match]' section of the unit. See **systemd.link**(5) **systemd.netdev**(5) **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Name = "eth0";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.netdevs

Definition of systemd network devices.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.netdevs.<name>.enable

Whether to manage network configuration using **systemd−network**.

This also enables **systemd.network.enable**.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.netdevs.<name>.bareUDPConfig

Each attribute in this set specifies an option in the '[BareUDP]' section of the unit. See **systemd.netdev**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  DestinationPort = 1234;
  EtherType = "ipv4";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.netdevs.<name>.batmanAdvancedConfig

Each attribute in this set specifies an option in the '[BatmanAdvanced]' section of the unit. See **systemd.netdev**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  GatewayMode = "server";
  RoutingAlgorithm = "batman-v";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.netdevs.<name>.bondConfig

Each attribute in this set specifies an option in the '[Bond]' section of the unit. See **systemd.netdev**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Mode = "802.3ad";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.netdevs.<name>.bridgeConfig

Each attribute in this set specifies an option in the '[Bridge]' section of the unit. See **systemd.netdev**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  STP = true;
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.netdevs.<name>.extraConfig

Extra configuration append to unit

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.netdevs.<name>.fooOverUDPConfig
Each attribute in this set specifies an option in the '[FooOverUDP]' section of the unit. See **systemd.netdev**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Port = 9001;
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.netdevs.<name>.geneveConfig
Each attribute in this set specifies an option in the '[GENEVE]' section of the unit. See **systemd.netdev**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Id = 1;
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.netdevs.<name>.hsrConfig
Each attribute in this set specifies an option in the '[HSR]' section of the unit. See **systemd.netdev**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Ports = [
    "eth1"
    "eth2"
  ];
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.netdevs.<name>.ipoibConfig

Each attribute in this set specifies an option in the '[IPoIB]' section of the unit. See **systemd.netdev**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  PartitionKey = 1;
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.netdevs.<name>.ipvlanConfig

Each attribute in this set specifies an option in the '[IPVLAN]' section of the unit. See **systemd.netdev**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Flags = "private";
  Mode = "L2";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.netdevs.<name>.ipvtapConfig

Each attribute in this set specifies an option in the '[IPVTAP]' section of the unit. See **systemd.netdev**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Flags = "vepa";
  Mode = "L3";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.netdevs.<name>.l2tpConfig

Each attribute in this set specifies an option in the '[L2TP]' section of the unit. See **systemd.netdev**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  EncapsulationType = "ip";
  Local = "static";
  PeerTunnelId = 12;
  Remote = "192.168.30.101";
  TunnelId = 10;
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.netdevs.<name>.l2tpSessions

Each item in this array specifies an option in the '[L2TPSession]' section of the unit. See **systemd.netdev**(5) for details.

Type: list of attribute set of (systemd option)

Default:

```
[ ]
```

Example:

```
[
  {
    Name = "l2tp-sess";
    PeerSessionId = 26;
    SessionId = 25;
  }
]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.netdevs.<name>.macsecConfig

Each attribute in this set specifies an option in the '[MACsec]' section of the unit. See **systemd.netdev**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Port = 1234;
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.netdevs.<name>.macsecReceiveAssociations

Each item in this array specifies an option in the '[MACsecReceiveAssociation]' section of the unit. See **systemd.netdev**(5) for details.

Type: list of attribute set of (systemd option)

Default:

```
[ ]
```

Example:

```
[
  {
    MACAddress = "ab:cd:de:ef:ab:cd";
    Port = 1234;
  }
]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.netdevs.<name>.macsecReceiveChannels

Each item in this array specifies an option in the '[MACsecReceiveChannel]' section of the unit. See **systemd.netdev**(5) for details.

Type: list of attribute set of (systemd option)

Default:

```
[ ]
```

Example:

```
[
  {
    MACAddress = "ab:cd:de:ef:ab:cd";
    Port = 1234;
  }
]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.netdevs.<name>.macsecTransmitAssociations

Each item in this array specifies an option in the '[MACsecTransmitAssociation]' section of the unit. See **systemd.netdev**(5) for details.

Type: list of attribute set of (systemd option)

Default:

```
[ ]
```

Example:

```
[
  {
    Activate = true;
  }
]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.netdevs.<name>.macvlanConfig

Each attribute in this set specifies an option in the '[MACVLAN]' section of the unit. See **systemd.netdev**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Mode = "private";
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.netdevs.<name>.macvtapConfig
Each attribute in this set specifies an option in the '[MACVTAP]' section of the unit. See **systemd.netdev**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Mode = "private";
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.netdevs.<name>.matchConfig
Each attribute in this set specifies an option in the '[Match]' section of the unit. See **systemd.link**(5) **systemd.netdev**(5) **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Name = "eth0";
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.netdevs.<name>.netdevConfig
Each attribute in this set specifies an option in the '[Netdev]' section of the unit. See **systemd.netdev**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Kind = "bridge";
  Name = "mybridge";
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.netdevs.<name>.peerConfig

Each attribute in this set specifies an option in the '[Peer]' section of the unit. See **systemd.netdev**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Name = "veth2";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.netdevs.<name>.tapConfig

Each attribute in this set specifies an option in the '[Tap]' section of the unit. See **systemd.netdev**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  User = "openvpn";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.netdevs.<name>.tunConfig

Each attribute in this set specifies an option in the '[Tun]' section of the unit. See **systemd.netdev**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  User = "openvpn";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.netdevs.<name>.tunnelConfig

Each attribute in this set specifies an option in the '[Tunnel]' section of the unit. See **systemd.netdev**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Remote = "192.168.1.1";
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.netdevs.<name>.vlanConfig
Each attribute in this set specifies an option in the '[VLAN]' section of the unit. See **systemd.netdev**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Id = 4;
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.netdevs.<name>.vrfConfig
Each attribute in this set specifies an option in the '[VRF]' section of the unit. See **systemd.netdev**(5) for details. A detailed explanation about how VRFs work can be found in the **kernel docs**.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Table = 2342;
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.netdevs.<name>.vxcanConfig
Each attribute in this set specifies an option in the '[VXCAN]' section of the unit. See **systemd.netdev**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Peer = "vxcanpeer";
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.netdevs.<name>.vxlanConfig

Each attribute in this set specifies an option in the '[VXLAN]' section of the unit. See **systemd.netdev**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.netdevs.<name>.wireguardConfig

Each attribute in this set specifies an option in the '[WireGuard]' section of the unit. See **systemd.netdev**(5) for details. Use 'PrivateKeyFile' instead of 'PrivateKey': the nix store is world−readable.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  FirewallMark = 42;
  ListenPort = 51820;
  PrivateKeyFile = "/etc/wireguard/secret.key";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.netdevs.<name>.wireguardPeers

Each item in this array specifies an option in the '[WireGuardPeer]' section of the unit. See **systemd.netdev**(5) for details. Use 'PresharedKeyFile' instead of 'PresharedKey': the nix store is world−readable.

Type: list of attribute set of (systemd option)

Default:

```
[ ]
```

Example:

```
[
  {
    AllowedIPs = [
      "10.0.0.1/32"
    ];
    Endpoint = "192.168.1.1:51820";
    PersistentKeepalive = 15;
    PresharedKeyFile = "/etc/wireguard/psk.key";
    PublicKey = "27s0OvaBBdHoJYkH9osZpjpgSOVNw+RaKfboT/Sfq0g=";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.netdevs.<name>.wlanConfig

Each attribute in this set specifies an option in the '[WLAN]' section of the unit. See **systemd.netdev**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  PhysicalDevice = 0;
  Type = "station";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.netdevs.<name>.xfrmConfig

Each attribute in this set specifies an option in the '[Xfrm]' section of the unit. See **systemd.netdev**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  InterfaceId = 1;
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks

Definition of systemd networks.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.enable

Whether to manage network configuration using **systemd−network**.

This also enables **systemd.network.enable**.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.DHCP

Whether to enable DHCP on the interfaces matched.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.address

A list of addresses to be added to the network section of the unit. See **systemd.network**(5) for details.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.addresses

A list of '[Address]' sections to be added to the unit. See **systemd.network**(5) for details.

Type: list of attribute set of (systemd option)

Default:

```
[ ]
```

Example:

```
[
  {
    Address = "192.168.0.100/24";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.bandMultiQueueingConfig

Each attribute in this set specifies an option in the '[BandMultiQueueing]' section of the unit. See **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Parent = "root";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.bfifoConfig

Each attribute in this set specifies an option in the '[BFIFO]' section of the unit. See **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  LimitBytes = "20K";
  Parent = "ingress";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.bond

A list of bond interfaces to be added to the network section of the unit. See **systemd.network**(5) for details.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.bridge

A list of bridge interfaces to be added to the network section of the unit. See **systemd.network**(5) for details.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.bridgeConfig

Each attribute in this set specifies an option in the '[Bridge]' section of the unit. See **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Cost = 20;
  MulticastFlood = false;
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.bridgeFDBs

A list of BridgeFDB sections to be added to the unit. See **systemd.network**(5) for details.

Type: list of attribute set of (systemd option)

Default:

```
[ ]
```

Example:

```
[
  {
    Destination = "192.168.100.4";
    MACAddress = "90:e2:ba:43:fc:71";
    VNI = 3600;
  }
]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.bridgeMDBs

A list of BridgeMDB sections to be added to the unit. See **systemd.network**(5) for details.

Type: list of attribute set of (systemd option)

Default:

```
[ ]
```

Example:

```
[
  {
    MulticastGroupAddress = "ff02::1:2:3:4";
    VLANId = 10;
  }
]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.bridgeVLANs

A list of BridgeVLAN sections to be added to the unit. See **systemd.network**(5) for details.

Type: list of attribute set of (systemd option)

Default:

```
[ ]
```

Example:

```
[
  {
    VLAN = "10-20";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.cakeConfig

Each attribute in this set specifies an option in the '[CAKE]' section of the unit. See **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Bandwidth = "40M";
  CompensationMode = "ptm";
  OverheadBytes = 8;
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.canConfig

Each attribute in this set specifies an option in the '[CAN]' section of the unit. See **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.classfulMultiQueueingConfig

Each attribute in this set specifies an option in the '[ClassfulMultiQueueing]' section of the unit. See **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Parent = "root";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.controlledDelayConfig

Each attribute in this set specifies an option in the '[ControlledDelay]' section of the unit. See **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Parent = "ingress";
  TargetSec = "20msec";
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.deficitRoundRobinSchedulerClassConfig
Each attribute in this set specifies an option in the '[DeficitRoundRobinSchedulerClass]' section of the unit. See **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Parent = "root";
  QuantumBytes = "300k";
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.deficitRoundRobinSchedulerConfig
Each attribute in this set specifies an option in the '[DeficitRoundRobinScheduler]' section of the unit. See **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Parent = "root";
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.dhcpPrefixDelegationConfig
Each attribute in this set specifies an option in the '[DHCPPrefixDelegation]' section of the unit. See **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Announce = true;
  SubnetId = "auto";
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.dhcpServerConfig
Each attribute in this set specifies an option in the '[DHCPServer]' section of the unit. See **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  EmitDNS = false;
  PoolOffset = 50;
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.dhcpServerStaticLeases
A list of DHCPServerStaticLease sections to be added to the unit. See **systemd.network**(5) for details.

Type: list of attribute set of (systemd option)

Default:

```
[ ]
```

Example:

```
[
  {
    Address = "192.168.1.42";
    MACAddress = "65:43:4a:5b:d8:5f";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.dhcpV4Config
Each attribute in this set specifies an option in the '[DHCPv4]' section of the unit. See **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  UseDNS = true;
  UseRoutes = true;
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.dhcpV6Config

Each attribute in this set specifies an option in the '[DHCPv6]' section of the unit. See **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  UseDNS = true;
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.dns

A list of dns servers to be added to the network section of the unit. See **systemd.network**(5) for details.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.domains

A list of domains to pass to the network config.

Type: null or (list of string)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.enhancedTransmissionSelectionConfig

Each attribute in this set specifies an option in the '[EnhancedTransmissionSelection]' section of the unit. See **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Bands = 3;
  Parent = "root";
  PriorityMap = "100 200 300";
  QuantumBytes = "300k";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.extraConfig

Extra configuration append to unit

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.fairQueueingConfig

Each attribute in this set specifies an option in the ‘[FairQueueing]’ section of the unit. See **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  FlowLimit = 5;
  Parent = "root";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.fairQueueingControlledDelayConfig

Each attribute in this set specifies an option in the ‘[FairQueueingControlledDelay]’ section of the unit. See **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Flows = 5;
  Parent = "root";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.flowQueuePIEConfig

Each attribute in this set specifies an option in the ‘[FlowQueuePIE]’ section of the unit. See **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  PacketLimit = "3847";
  Parent = "ingress";
```

```
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.gateway

A list of gateways to be added to the network section of the unit. See **systemd.network**(5) for details.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.genericRandomEarlyDetectionConfig

Each attribute in this set specifies an option in the '[GenericRandomEarlyDetection]' section of the unit. See **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  DefaultVirtualQueue = 3;
  Parent = "root";
  VirtualQueues = 5;
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.heavyHitterFilterConfig

Each attribute in this set specifies an option in the '[HeavyHitterFilter]' section of the unit. See **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  PacketLimit = 10000;
  Parent = "root";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.hierarchyTokenBucketClassConfig

Each attribute in this set specifies an option in the '[HierarchyTokenBucketClass]' section of the unit. See **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Parent = "root";
  Rate = "10M";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.hierarchyTokenBucketConfig

Each attribute in this set specifies an option in the '[HierarchyTokenBucket]' section of the unit. See **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Parent = "root";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.ipoIBConfig

Each attribute in this set specifies an option in the '[IPoIB]' section of the unit. See **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.ipv6AcceptRAConfig

Each attribute in this set specifies an option in the '[IPv6AcceptRA]' section of the unit. See **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  DHCPv6Client = "always";
  UseDNS = true;
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.ipv6AddressLabels

A list of '[IPv6AddressLabel]' sections to be added to the unit. See **systemd.network**(5) for details.

Type: list of attribute set of (systemd option)

Default:

```
[ ]
```

Example:

```
[
  {
    Label = 0;
    Prefix = "3fff::/20";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.ipv6PREF64Prefixes

A list of IPv6PREF64Prefix sections to be added to the unit. See **systemd.network**(5) for details.

Type: list of attribute set of (systemd option)

Default:

```
[ ]
```

Example:

```
[
  {
    Prefix = "64:ff9b::/96";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.ipv6Prefixes

A list of ipv6Prefix sections to be added to the unit. See **systemd.network**(5) for details.

Type: list of attribute set of (systemd option)

Default:

```
[ ]
```

Example:

```
[
  {
    AddressAutoconfiguration = true;
    OnLink = true;
  }
]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.ipv6RoutePrefixes

A list of ipv6RoutePrefix sections to be added to the unit. See **systemd.network**(5) for details.

Type: list of attribute set of (systemd option)

Default:

```
[ ]
```

Example:

```
[
  {
    LifetimeSec = 3600;
    Route = "fd00::/64";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.ipv6SendRAConfig

Each attribute in this set specifies an option in the '[IPv6SendRA]' section of the unit. See **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  EmitDNS = true;
  Managed = true;
  OtherInformation = true;
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.ipvlan

A list of ipvlan interfaces to be added to the network section of the unit. See **systemd.network**(5) for details.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.linkConfig

Each attribute in this set specifies an option in the '[Link]' section of the unit. See **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Unmanaged = true;
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.lldpConfig
Each attribute in this set specifies an option in the '[LLDP]' section of the unit. See **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  MUDURL = "https://things.example.org/product_abc123/v5";
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.macvlan
A list of macvlan interfaces to be added to the network section of the unit. See **systemd.network**(5) for details.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.macvtap
A list of macvtap interfaces to be added to the network section of the unit. See **systemd.network**(5) for details.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.matchConfig
Each attribute in this set specifies an option in the '[Match]' section of the unit. See **systemd.link**(5) **systemd.netdev**(5) **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Name = "eth0";
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.mobileNetworkConfig
Each attribute in this set specifies an option in the '[MobileNetwork]' section of the unit. See **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  APN = "access-point-name";
  AllowRoaming = false;
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.name
The name of the network interface to match against.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.neighbors
A list of '[Neighbor]' sections to be added to the unit. See **systemd.network**(5) for details.

Type: list of attribute set of (systemd option)

Default:

```
[ ]
```

Example:

```
[
  {
    Address = "192.168.0.100/24";
    LinkLayerAddress = "aa:bb:cc:dd:ee:ff";
  }
]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.networkConfig
Each attribute in this set specifies an option in the '[Network]' section of the unit. See **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Description = "My Network";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.networkEmulatorConfig

Each attribute in this set specifies an option in the '[NetworkEmulator]' section of the unit. See **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  DelaySec = "20msec";
  Parent = "ingress";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.nextHops

A list of NextHop sections to be added to the unit. See **systemd.network**(5) for details.

Type: list of attribute set of (systemd option)

Default:

```
[ ]
```

Example:

```
[
  {
    Gateway = "192.168.1.1";
    Id = 10;
  }
]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.ntp

A list of ntp servers to be added to the network section of the unit. See **systemd.network**(5) for details.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.pfifoConfig

Each attribute in this set specifies an option in the '[PFIFO]' section of the unit. See **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  PacketLimit = "300";
  Parent = "ingress";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.pfifoFastConfig

Each attribute in this set specifies an option in the '[PFIFOFast]' section of the unit. See **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Parent = "ingress";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.pfifoHeadDropConfig

Each attribute in this set specifies an option in the '[PFIFOHeadDrop]' section of the unit. See **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  PacketLimit = "300";
  Parent = "ingress";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.pieConfig

Each attribute in this set specifies an option in the '[PIE]' section of the unit. See **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  PacketLimit = "3847";
  Parent = "ingress";
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.qdiscConfig
Each attribute in this set specifies an option in the '[QDisc]' section of the unit. See **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Parent = "ingress";
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.quickFairQueueingConfig
Each attribute in this set specifies an option in the '[QuickFairQueueing]' section of the unit. See **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Parent = "root";
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.quickFairQueueingConfigClass
Each attribute in this set specifies an option in the '[QuickFairQueueingClass]' section of the unit. See **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Parent = "root";
  Weight = 133;
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.routes

A list of route sections to be added to the unit. See **systemd.network**(5) for details.

Type: list of attribute set of (systemd option)

Default:

```
[ ]
```

Example:

```
[
  {
    Gateway = "192.168.0.1";
  }
]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.routingPolicyRules

A list of routing policy rules sections to be added to the unit. See **systemd.network**(5) for details.

Type: list of attribute set of (systemd option)

Default:

```
[ ]
```

Example:

```
[
  {
    Family = "both";
    IncomingInterface = "eth1";
    Table = 10;
  }
]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.sriovConfig

Each attribute in this set specifies an option in the '[SR−IOV]' section of the unit. See **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  VLANId = 1;
  VirtualFunction = 1;
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.stochasticFairBlueConfig

Each attribute in this set specifies an option in the '[StochasticFairBlue]' section of the unit. See **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  PacketLimit = "3847";
  Parent = "ingress";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.stochasticFairnessQueueingConfig

Each attribute in this set specifies an option in the '[StochasticFairnessQueueing]' section of the unit. See **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Parent = "ingress";
  PerturbPeriodSec = "30";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.tokenBucketFilterConfig

Each attribute in this set specifies an option in the '[TokenBucketFilter]' section of the unit. See **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Parent = "ingress";
  Rate = "100k";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.trivialLinkEqualizerConfig

Each attribute in this set specifies an option in the '[TrivialLinkEqualizer]' section of the unit. See **systemd.network**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Id = 0;
  Parent = "root";
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.tunnel
A list of tunnel interfaces to be added to the network section of the unit. See **systemd.network**(5) for details.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.vlan
A list of vlan interfaces to be added to the network section of the unit. See **systemd.network**(5) for details.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.vrf
A list of vrf interfaces to be added to the network section of the unit. See **systemd.network**(5) for details.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.vxlan
A list of vxlan interfaces to be added to the network section of the unit. See **systemd.network**(5) for details.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.networks.<name>.xfrm

A list of xfrm interfaces to be added to the network section of the unit. See **systemd.network**(5) for details.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.wait−online.enable

Whether to enable the systemd−networkd−wait−online service.

systemd−networkd−wait−online can timeout and fail if there are no network interfaces available for it to manage. When systemd−networkd is enabled but a different service is responsible for managing the system's internet connection (for example, NetworkManager or connman are used to manage WiFi connections), this service is unnecessary and can be disabled.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.wait−online.anyInterface

Whether to consider the network online when any interface is online, as opposed to all of them. This is useful on portable machines with a wired and a wireless interface, for example.

This is on by default if **networking.useDHCP** is enabled.

Type: boolean

Default:

```
"config.networking.useDHCP"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.wait−online.extraArgs

Extra command−line arguments to pass to systemd−networkd−wait−online. These also affect per−interface 'systemd−network−wait−online@' services.

See **systemd−networkd−wait−online.service**(8) for all available options.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.wait−online.ignoredInterfaces

Network interfaces to be ignored when deciding if the system is online.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "wg0"
]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.network.wait−online.timeout

Time to wait for the network to come online, in seconds. Set to 0 to disable.

Type: unsigned integer, meaning >=0

Default:

```
120
```

Example:

Declared by:

<nixpkgs/nixos/modules/system/boot/networkd.nix>

systemd.nspawn

Definition of systemd−nspawn configurations.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/nspawn.nix>

systemd.nspawn.<name>.enable

If set to false, this unit will be a symlink to /dev/null. This is primarily useful to prevent specific template instances (e.g. ‘serial−getty@ttyS0’) from being started. Note that ‘enable=true’ does not make a unit start by default at boot; if you want that, see ‘wantedBy’.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/nspawn.nix>

systemd.nspawn.<name>.execConfig

Each attribute in this set specifies an option in the ‘[Exec]’ section of this unit. See **systemd.nspawn**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Parameters = "/bin/sh";
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/nspawn.nix>

systemd.nspawn.<name>.filesConfig
Each attribute in this set specifies an option in the '[Files]' section of this unit. See **systemd.nspawn**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Bind = [
    "/home/alice"
  ];
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/nspawn.nix>

systemd.nspawn.<name>.networkConfig
Each attribute in this set specifies an option in the '[Network]' section of this unit. See **systemd.nspawn**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  Private = false;
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/nspawn.nix>

systemd.oomd.enable
Whether to enable the 'systemd−oomd' OOM killer.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/oomd.nix>

systemd.oomd.enableRootSlice

Whether to enable oomd on the root slice (‘−.slice’).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/oomd.nix>

systemd.oomd.enableSystemSlice

Whether to enable oomd on the system slice (‘system.slice’).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/oomd.nix>

systemd.oomd.enableUserSlices

Whether to enable oomd on all user slices (‘user@.slice’) and all user owned slices.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/oomd.nix>

systemd.oomd.settings.OOM

Settings option for systemd−oomd. See **oomd.conf**(5) for available options.

Type: open submodule of attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  DefaultMemoryPressureLimit = "60%";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/oomd.nix>

systemd.paths

Definition of systemd path units; see **systemd.path**(5).

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.paths.<name>.enable

If set to false, this unit will be a symlink to /dev/null. This is primarily useful to prevent specific template instances (e.g. ‘serial−getty@ttyS0’) from being started. Note that ‘enable=true’ does not make a unit start by default at boot; if you want that, see ‘wantedBy’.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.paths.<name>.after

If the specified units are started at the same time as this unit, delay this unit until they have started.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.paths.<name>.aliases

Aliases of that unit.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.paths.<name>.before

If the specified units are started at the same time as this unit, delay them until this unit has started.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.paths.<name>.bindsTo

Like ‘requires’, but in addition, if the specified units unexpectedly disappear, this unit will be stopped as well.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.paths.<name>.conflicts

If the specified units are started, then this unit is stopped and vice versa.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.paths.<name>.description

Description of this unit used in systemd messages and progress indicators.

Type: (optionally newline−terminated) single−line string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.paths.<name>.documentation

A list of URIs referencing documentation for this unit or its configuration.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.paths.<name>.name

The name of this systemd unit, including its extension. This can be used to refer to this unit from other systemd units.

Type: string

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.paths.<name>.onFailure

A list of one or more units that are activated when this unit enters the “failed” state.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.paths.<name>.onSuccess
A list of one or more units that are activated when this unit enters the “inactive” state.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.paths.<name>.overrideStrategy
Defines how unit configuration is provided for systemd:

‘asDropinIfExists’ creates a unit file when no unit file is provided by the package otherwise it creates a drop−in file named ‘overrides.conf’.

‘asDropin’ creates a drop−in file named ‘overrides.conf’. Mainly needed to define instances for systemd template units (e.g. ‘systemd−nspawn@mycontainer.service’).

See also **systemd.unit**(5).

Type: one of “asDropinIfExists”, “asDropin”

Default:

```
"asDropinIfExists"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.paths.<name>.partOf
If the specified units are stopped or restarted, then this unit is stopped or restarted as well.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.paths.<name>.pathConfig
Each attribute in this set specifies an option in the ‘[Path]’ section of the unit. See **systemd.path**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  PathChanged = "/some/path";
  Unit = "changedpath.service";
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.paths.<name>.reloadTriggers
An arbitrary list of items such as derivations. If any item in the list changes between reconfigurations, the service will be reloaded. If anything but a reload trigger changes in the unit file, the unit will be restarted instead.

Type: list of (systemd option)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.paths.<name>.requiredBy
Units that require (i.e. depend on and need to go down with) this unit. As discussed in the ‘wantedBy’ option description this also creates ‘.requires’ symlinks automatically.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.paths.<name>.requires
Start the specified units when this unit is started, and stop this unit when the specified units are stopped or fail.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.paths.<name>.requisite
Similar to requires. However if the units listed are not started, they will not be started and the transaction will fail.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.paths.<name>.restartTriggers
An arbitrary list of items such as derivations. If any item in the list changes between reconfigurations, the service will be restarted.

Type: list of unspecified value

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.paths.<name>.startLimitBurst

Configure unit start rate limiting. Units which are started more than startLimitBurst times within an interval time interval are not permitted to start any more.

Type: signed integer

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.paths.<name>.startLimitIntervalSec

Configure unit start rate limiting. Units which are started more than startLimitBurst times within an interval time interval are not permitted to start any more.

Type: signed integer

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.paths.<name>.unitConfig

Each attribute in this set specifies an option in the '[Unit]' section of the unit. See **systemd.unit**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  RequiresMountsFor = "/data";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.paths.<name>.upheldBy

Keep this unit running as long as the listed units are running. This is a continuously enforced version of wantedBy.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.paths.<name>.upholds

Keeps the specified running while this unit is running. A continuous version of 'wants'.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.paths.<name>.wantedBy
Units that want (i.e. depend on) this unit. The default method for starting a unit by default at boot time is to set this option to '["multi−user.target"]' for system services. Likewise for user units ('systemd.user.<name>.*') set it to '["default.target"]' to make a unit start by default when the user '<name>' logs on.

This option creates a '.wants' symlink in the given target that exists statelessly without the need for running 'systemctl enable'. The '[Install]' section described in **systemd.unit**(5) however is not supported because it is a stateful process that does not fit well into the NixOS design.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.paths.<name>.wants
Start the specified units when this unit is started.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.repart.enable
Grow and add partitions to a partition table. systemd−repart only works with GPT partition tables.

To run systemd−repart while in the initrd, see 'options.boot.initrd.systemd.repart.enable'.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/repart.nix>

systemd.repart.partitions
Specify partitions as a set of the names of the definition files as the key and the partition configuration as its value. The partition configuration can use all upstream options. See **repart.d**(5) for all available options.

Type: attribute set of attribute set of (string or signed integer or boolean or list of string)

Default:

```
{ }
```

Example:

```
{
```

```
    "10-root" = {
      Type = "root";
    };
    "20-home" = {
      SizeMaxBytes = "2G";
      SizeMinBytes = "512M";
      Type = "home";
    };
  }
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/repart.nix>

systemd.services
Definition of systemd service units; see **systemd.service**(5).

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/testing/service-runner.nix>
<nixpkgs/nixos/modules/system/boot/systemd.nix>
<nixpkgs/nixos/modules/security/systemd-confinement.nix>

systemd.services.<name>.enable
If set to false, this unit will be a symlink to /dev/null. This is primarily useful to prevent specific template instances (e.g. ‘serial-getty@ttyS0’) from being started. Note that ‘enable=true’ does not make a unit start by default at boot; if you want that, see ‘wantedBy’.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.services.<name>.enableDefaultPath
Whether to append a minimal default **PATH** environment variable to the service, containing common system utilities.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.services.<name>.enableStrictShellChecks
Enable running ‘shellcheck’ on the generated scripts for this unit.

When enabled, scripts generated by the unit will be checked with ‘shellcheck’ and any errors or warnings will cause the build to fail.

This affects all scripts that have been created through the ‘script’, ‘reload’, ‘preStart’, ‘postStart’, ‘preStop’ and ‘postStop’ options for systemd services. This does not affect command lines passed directly to ‘ExecStart’, ‘ExecReload’, ‘ExecStartPre’, ‘ExecStartPost’, ‘ExecStop’ or ‘ExecStopPost’.

Type: boolean

Default:

```
config.systemd.enableStrictShellChecks
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.services.<name>.after

If the specified units are started at the same time as this unit, delay this unit until they have started.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.services.<name>.aliases

Aliases of that unit.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.services.<name>.before

If the specified units are started at the same time as this unit, delay them until this unit has started.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.services.<name>.bindsTo

Like ‘requires’, but in addition, if the specified units unexpectedly disappear, this unit will be stopped as well.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.services.<name>.confinement.enable

If set, all the required runtime store paths for this service are bind−mounted into a ‘tmpfs’−based **chroot**(2).

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/systemd−confinement.nix>

systemd.services.<name>.confinement.packages
Additional packages or strings with context to add to the closure of the chroot. By default, this includes all the packages from the **serviceConfig.ExecReload**, **serviceConfig.ExecStartPost**, **serviceConfig.ExecStartPre**, **serviceConfig.ExecStop**, **serviceConfig.ExecStopPost** and **serviceConfig.ExecStart** options. If you want to have all the dependencies of this systemd unit, you can use **confinement.fullUnit**.

Note
The store paths listed in **path** are **not** included in the closure as well as paths from other options except those listed above.

Type: list of (string or package)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/security/systemd−confinement.nix>

systemd.services.<name>.confinement.binSh
The program to make available as */bin/sh* inside the chroot. If this is set to ‘null’, no */bin/sh* is provided at all.

This is useful for some applications, which for example use the **system**(3) library function to execute commands.

Type: null or absolute path

Default:

```
config.environment.binsh
```

Example:

```
"${pkgs.dash}/bin/dash"
```

Declared by:
<nixpkgs/nixos/modules/security/systemd−confinement.nix>

systemd.services.<name>.confinement.fullUnit
Whether to include the full closure of the systemd unit file into the chroot, instead of just the dependencies for the executables.

Warning
While it may be tempting to just enable this option to make things work quickly, please be aware that this might add paths to the closure of the chroot that you didn’t anticipate. It’s better to use **confinement.packages** to **explicitly** add additional store paths to the chroot.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/security/systemd−confinement.nix>

systemd.services.<name>.confinement.mode
The value ‘full−apivfs’ (the default) sets up private */dev*, */proc*, */sys*, */tmp* and */var/tmp* file systems in a separate user name space.

If this is set to ‘chroot−only’, only the file system name space is set up along with the call to **chroot**(2).

In all cases, unless ‘serviceConfig.PrivateTmp=true’ is set, both */tmp* and */var/tmp* paths are added to

‘InaccessiblePaths=’. This is to overcome options like ‘DynamicUser=true’ implying ‘PrivateTmp=true’ without letting it being turned off. Beware however that giving processes the ‘CAP_SYS_ADMIN’ and ‘@mount’ privileges can let them undo the effects of ‘InaccessiblePaths=’.

Note
This doesn’t cover network namespaces and is solely for file system level isolation.

Type: one of “full−apivfs”, “chroot−only”

Default:

```
"full-apivfs"
```

Declared by:
<nixpkgs/nixos/modules/security/systemd−confinement.nix>

systemd.services.<name>.conflicts
If the specified units are started, then this unit is stopped and vice versa.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.services.<name>.description
Description of this unit used in systemd messages and progress indicators.

Type: (optionally newline−terminated) single−line string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.services.<name>.documentation
A list of URIs referencing documentation for this unit or its configuration.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.services.<name>.environment
Environment variables passed to the service’s processes.

Type: attribute set of (null or string or absolute path or package)

Default:

```
{ }
```

Example:

```
{
  LANG = "nl_NL.UTF-8";
  PATH = "/foo/bar/bin";
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.services.<name>.name
The name of this systemd unit, including its extension. This can be used to refer to this unit from other systemd units.

Type: string

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.services.<name>.notSocketActivated
If set, a changed unit is never assumed to be socket−activated on configuration switch, even if it might have associated socket units. Instead, the unit will be restarted (or stopped/started) as if it had no associated sockets.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.services.<name>.onFailure
A list of one or more units that are activated when this unit enters the “failed” state.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.services.<name>.onSuccess
A list of one or more units that are activated when this unit enters the “inactive” state.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.services.<name>.overrideStrategy
Defines how unit configuration is provided for systemd:

‘asDropinIfExists’ creates a unit file when no unit file is provided by the package otherwise it creates a drop−in file named ‘overrides.conf’.

‘asDropin’ creates a drop−in file named ‘overrides.conf’. Mainly needed to define instances for systemd template units (e.g. ‘systemd−nspawn@mycontainer.service’).

See also **systemd.unit**(5).

Type: one of “asDropinIfExists”, “asDropin”

Default:

```
"asDropinIfExists"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.services.<name>.partOf
If the specified units are stopped or restarted, then this unit is stopped or restarted as well.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.services.<name>.path
Packages added to the service's **PATH** environment variable. Both the *bin* and *sbin* subdirectories of each package are added.

Type: list of (package or string)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.services.<name>.postStart
Shell commands executed after the service's main process is started.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.services.<name>.postStop
Shell commands executed after the service's main process has exited.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.services.<name>.preStart
Shell commands executed before the service's main process is started.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.services.<name>.preStop

Shell commands executed to stop the service.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.services.<name>.reload

Shell commands executed when the service’s main process is reloaded.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.services.<name>.reloadIfChanged

Whether the service should be reloaded during a NixOS configuration switch if its definition has changed. If enabled, the value of **restartIfChanged** is ignored.

This option should not be used anymore in favor of **reloadTriggers** which allows more granular control of when a service is reloaded and when a service is restarted.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.services.<name>.reloadTriggers

An arbitrary list of items such as derivations. If any item in the list changes between reconfigurations, the service will be reloaded. If anything but a reload trigger changes in the unit file, the unit will be restarted instead.

Type: list of (systemd option)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.services.<name>.requiredBy

Units that require (i.e. depend on and need to go down with) this unit. As discussed in the ‘wantedBy’ option description this also creates ‘.requires’ symlinks automatically.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.services.<name>.requires
Start the specified units when this unit is started, and stop this unit when the specified units are stopped or fail.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.services.<name>.requisite
Similar to requires. However if the units listed are not started, they will not be started and the transaction will fail.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.services.<name>.restartIfChanged
Whether the service should be restarted during a NixOS configuration switch if its definition has changed.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.services.<name>.restartTriggers
An arbitrary list of items such as derivations. If any item in the list changes between reconfigurations, the service will be restarted.

Type: list of unspecified value

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.services.<name>.script
Shell commands executed as the service’s main process.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.services.<name>.scriptArgs
Arguments passed to the main process script. Can contain specifiers ('%' placeholders expanded by systemd, see **systemd.unit**(5)).

Type: string

Default:
```
""
```

Example:
```
"%i"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.services.<name>.serviceConfig
Each attribute in this set specifies an option in the '[Service]' section of the unit. See **systemd.service**(5) for details.

Type: attribute set of (systemd option)

Default:
```
{ }
```

Example:
```
{
  RestartSec = 5;
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.services.<name>.startAt
Automatically start this unit at the given date/time, which must be in the format described in **systemd.time**(7). This is equivalent to adding a corresponding timer unit with **OnCalendar** set to the value given here.

Type: string or list of string

Default:
```
[ ]
```

Example:
```
"Sun 14:00:00"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.services.<name>.startLimitBurst
Configure unit start rate limiting. Units which are started more than startLimitBurst times within an interval time interval are not permitted to start any more.

Type: signed integer

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.services.<name>.startLimitIntervalSec

Configure unit start rate limiting. Units which are started more than startLimitBurst times within an interval time interval are not permitted to start any more.

Type: signed integer

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.services.<name>.stopIfChanged

If set, a changed unit is restarted by calling **systemctl stop** in the old configuration, then **systemctl start** in the new one. Otherwise, it is restarted in a single step using **systemctl restart** in the new configuration. The latter is less correct because it runs the 'ExecStop' commands from the new configuration.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.services.<name>.unitConfig

Each attribute in this set specifies an option in the '[Unit]' section of the unit. See **systemd.unit**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  RequiresMountsFor = "/data";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.services.<name>.upheldBy

Keep this unit running as long as the listed units are running. This is a continuously enforced version of wantedBy.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.services.<name>.upholds

Keeps the specified running while this unit is running. A continuous version of 'wants'.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.services.<name>.wantedBy
Units that want (i.e. depend on) this unit. The default method for starting a unit by default at boot time is to set this option to '["multi−user.target"]' for system services. Likewise for user units ('systemd.user.<name>.*') set it to '["default.target"]' to make a unit start by default when the user '<name>' logs on.

This option creates a '.wants' symlink in the given target that exists statelessly without the need for running 'systemctl enable'. The '[Install]' section described in **systemd.unit**(5) however is not supported because it is a stateful process that does not fit well into the NixOS design.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.services.<name>.wants
Start the specified units when this unit is started.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.settings.Manager
Options for the global systemd service manager. See **systemd−system.conf**(5) man page for available options.

Type: open submodule of attribute set of (systemd option)

Default:

```
{
  DefaultIOAccounting = true;
  DefaultIPAccounting = true;
}
```

Example:

```
{
  KExecWatchdogSec = "5min";
  RebootWatchdogSec = "10min";
  RuntimeWatchdogSec = "30s";
  WatchdogDevice = "/dev/watchdog";
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.shutdown

Definition of systemd shutdown executables. For each ‘NAME = VALUE’ pair of the attrSet, a link is generated from ‘/etc/systemd/system−shutdown/NAME’ to ‘VALUE’.

Type: attribute set of absolute path

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.shutdownRamfs.enable

Whether to enable pivoting back to an initramfs for shutdown.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/shutdown.nix>

systemd.shutdownRamfs.contents

Set of files that have to be linked into the shutdown ramfs

Type: attribute set of (submodule)

Example:

```
{
  "/lib/systemd/system−shutdown/zpool−sync−shutdown".source = wr \
iteShellScript "zpool" "exec ${zfs}/bin/zpool sync"
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/shutdown.nix>

systemd.shutdownRamfs.contents.<name>.enable

Whether to enable copying of this file and symlinking it.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/shutdown.nix>

systemd.shutdownRamfs.contents.<name>.dlopen.features

Features to enable via dlopen ELF notes. These will be in addition to anything included via ‘usePriority’, regardless of their priority.

Type: list of (optionally newline−terminated) single−line string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/shutdown.nix>

systemd.shutdownRamfs.contents.<name>.dlopen.usePriority
Priority of dlopen ELF notes to include. “required” is minimal, “recommended” includes “required”, and “suggested” includes “recommended”.

See: **https://systemd.io/ELF_DLOPEN_METADATA/**

Type: one of “required”, “recommended”, “suggested”

Default:

```
"recommended"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/shutdown.nix>

systemd.shutdownRamfs.contents.<name>.source
Path of the source file.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/shutdown.nix>

systemd.shutdownRamfs.contents.<name>.target
Path of the symlink.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/shutdown.nix>

systemd.shutdownRamfs.contents.<name>.text
Text of the file.

Type: null or strings concatenated with “\n”

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/shutdown.nix>

systemd.shutdownRamfs.storePaths
Store paths to copy into the shutdown ramfs as well.

Type: list of ((submodule) or ((optionally newline−terminated) single−line string or package) convertible to it)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/shutdown.nix>

systemd.shutdownRamfs.storePaths.*.enable

Whether to enable copying of this file and symlinking it.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/shutdown.nix>

systemd.shutdownRamfs.storePaths.*.dlopen.features

Features to enable via dlopen ELF notes. These will be in addition to anything included via ‘usePriority’, regardless of their priority.

Type: list of (optionally newline−terminated) single−line string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/shutdown.nix>

systemd.shutdownRamfs.storePaths.*.dlopen.usePriority

Priority of dlopen ELF notes to include. “required” is minimal, “recommended” includes “required”, and “suggested” includes “recommended”.

See: **https://systemd.io/ELF_DLOPEN_METADATA/**

Type: one of “required”, “recommended”, “suggested”

Default:

```
"recommended"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/shutdown.nix>

systemd.shutdownRamfs.storePaths.*.source

Path of the source file.

Type: absolute path

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/shutdown.nix>

systemd.shutdownRamfs.storePaths.*.target

Path of the symlink.

Type: null or absolute path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/shutdown.nix>

systemd.sleep.settings.Sleep

Options for systemd sleep state logic. See **sleep.conf.d**(5) man page for available options.

Type: open submodule of attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  HibernateDelaySec = "1h";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.slices

Definition of slice configurations; see **systemd.slice**(5).

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.slices.<name>.enable

If set to false, this unit will be a symlink to /dev/null. This is primarily useful to prevent specific template instances (e.g. ‘serial−getty@ttyS0’) from being started. Note that ‘enable=true’ does not make a unit start by default at boot; if you want that, see ‘wantedBy’.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.slices.<name>.after

If the specified units are started at the same time as this unit, delay this unit until they have started.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.slices.<name>.aliases

Aliases of that unit.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.slices.<name>.before
If the specified units are started at the same time as this unit, delay them until this unit has started.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.slices.<name>.bindsTo
Like ‘requires’, but in addition, if the specified units unexpectedly disappear, this unit will be stopped as well.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.slices.<name>.conflicts
If the specified units are started, then this unit is stopped and vice versa.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.slices.<name>.description
Description of this unit used in systemd messages and progress indicators.

Type: (optionally newline−terminated) single−line string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.slices.<name>.documentation
A list of URIs referencing documentation for this unit or its configuration.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.slices.<name>.name

The name of this systemd unit, including its extension. This can be used to refer to this unit from other systemd units.

Type: string

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.slices.<name>.onFailure

A list of one or more units that are activated when this unit enters the “failed” state.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.slices.<name>.onSuccess

A list of one or more units that are activated when this unit enters the “inactive” state.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.slices.<name>.overrideStrategy

Defines how unit configuration is provided for systemd:

‘asDropinIfExists’ creates a unit file when no unit file is provided by the package otherwise it creates a drop−in file named ‘overrides.conf’.

‘asDropin’ creates a drop−in file named ‘overrides.conf’. Mainly needed to define instances for systemd template units (e.g. ‘systemd−nspawn@mycontainer.service’).

See also **systemd.unit**(5).

Type: one of “asDropinIfExists”, “asDropin”

Default:

```
"asDropinIfExists"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.slices.<name>.partOf

If the specified units are stopped or restarted, then this unit is stopped or restarted as well.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.slices.<name>.reloadTriggers
An arbitrary list of items such as derivations. If any item in the list changes between reconfigurations, the service will be reloaded. If anything but a reload trigger changes in the unit file, the unit will be restarted instead.

Type: list of (systemd option)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.slices.<name>.requiredBy
Units that require (i.e. depend on and need to go down with) this unit. As discussed in the ‘wantedBy’ option description this also creates ‘.requires’ symlinks automatically.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.slices.<name>.requires
Start the specified units when this unit is started, and stop this unit when the specified units are stopped or fail.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.slices.<name>.requisite
Similar to requires. However if the units listed are not started, they will not be started and the transaction will fail.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.slices.<name>.restartTriggers
An arbitrary list of items such as derivations. If any item in the list changes between reconfigurations, the service will be restarted.

Type: list of unspecified value

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.slices.<name>.sliceConfig

Each attribute in this set specifies an option in the '[Slice]' section of the unit. See **systemd.slice**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  MemoryMax = "2G";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.slices.<name>.startLimitBurst

Configure unit start rate limiting. Units which are started more than startLimitBurst times within an interval time interval are not permitted to start any more.

Type: signed integer

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.slices.<name>.startLimitIntervalSec

Configure unit start rate limiting. Units which are started more than startLimitBurst times within an interval time interval are not permitted to start any more.

Type: signed integer

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.slices.<name>.unitConfig

Each attribute in this set specifies an option in the '[Unit]' section of the unit. See **systemd.unit**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  RequiresMountsFor = "/data";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.slices.<name>.upheldBy

Keep this unit running as long as the listed units are running. This is a continuously enforced version of wantedBy.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.slices.<name>.upholds

Keeps the specified running while this unit is running. A continuous version of ‘wants’.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.slices.<name>.wantedBy

Units that want (i.e. depend on) this unit. The default method for starting a unit by default at boot time is to set this option to ‘["multi−user.target"]’ for system services. Likewise for user units (‘systemd.user.<name>.*’) set it to ‘["default.target"]’ to make a unit start by default when the user ‘<name>’ logs on.

This option creates a ‘.wants’ symlink in the given target that exists statelessly without the need for running ‘systemctl enable’. The ‘[Install]’ section described in **systemd.unit**(5) however is not supported because it is a stateful process that does not fit well into the NixOS design.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.slices.<name>.wants

Start the specified units when this unit is started.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.sockets

Definition of systemd socket units; see **systemd.socket**(5).

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.sockets.<name>.enable

If set to false, this unit will be a symlink to /dev/null. This is primarily useful to prevent specific template instances (e.g. ‘serial−getty@ttyS0’) from being started. Note that ‘enable=true’ does not make a unit start by default at boot; if you want that, see ‘wantedBy’.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.sockets.<name>.after

If the specified units are started at the same time as this unit, delay this unit until they have started.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.sockets.<name>.aliases

Aliases of that unit.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.sockets.<name>.before

If the specified units are started at the same time as this unit, delay them until this unit has started.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.sockets.<name>.bindsTo

Like ‘requires’, but in addition, if the specified units unexpectedly disappear, this unit will be stopped as well.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.sockets.<name>.conflicts
If the specified units are started, then this unit is stopped and vice versa.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.sockets.<name>.description
Description of this unit used in systemd messages and progress indicators.

Type: (optionally newline−terminated) single−line string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.sockets.<name>.documentation
A list of URIs referencing documentation for this unit or its configuration.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.sockets.<name>.listenDatagrams
For each item in this list, a ‘ListenDatagram’ option in the ‘[Socket]’ section will be created.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "0.0.0.0:993"
  "/run/my−socket"
]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.sockets.<name>.listenStreams
For each item in this list, a ‘ListenStream’ option in the ‘[Socket]’ section will be created.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "0.0.0.0:993"
  "/run/my-socket"
]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.sockets.<name>.name
The name of this systemd unit, including its extension. This can be used to refer to this unit from other systemd units.

Type: string

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.sockets.<name>.onFailure
A list of one or more units that are activated when this unit enters the “failed” state.

Type: list of string matching the pattern [a-zA-Z0-9@%:_.\\-]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.sockets.<name>.onSuccess
A list of one or more units that are activated when this unit enters the “inactive” state.

Type: list of string matching the pattern [a-zA-Z0-9@%:_.\\-]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.sockets.<name>.overrideStrategy
Defines how unit configuration is provided for systemd:

‘asDropinIfExists’ creates a unit file when no unit file is provided by the package otherwise it creates a drop-in file named ‘overrides.conf’.

‘asDropin’ creates a drop-in file named ‘overrides.conf’. Mainly needed to define instances for systemd template units (e.g. ‘systemd-nspawn@mycontainer.service’).

See also **systemd.unit**(5).

Type: one of “asDropinIfExists”, “asDropin”

Default:

```
"asDropinIfExists"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.sockets.<name>.partOf

If the specified units are stopped or restarted, then this unit is stopped or restarted as well.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.sockets.<name>.reloadTriggers

An arbitrary list of items such as derivations. If any item in the list changes between reconfigurations, the service will be reloaded. If anything but a reload trigger changes in the unit file, the unit will be restarted instead.

Type: list of (systemd option)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.sockets.<name>.requiredBy

Units that require (i.e. depend on and need to go down with) this unit. As discussed in the ‘wantedBy’ option description this also creates ‘.requires’ symlinks automatically.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.sockets.<name>.requires

Start the specified units when this unit is started, and stop this unit when the specified units are stopped or fail.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.sockets.<name>.requisite

Similar to requires. However if the units listed are not started, they will not be started and the transaction will fail.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.sockets.<name>.restartTriggers
An arbitrary list of items such as derivations. If any item in the list changes between reconfigurations, the service will be restarted.

Type: list of unspecified value

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.sockets.<name>.socketConfig
Each attribute in this set specifies an option in the '[Socket]' section of the unit. See **systemd.socket**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  ListenStream = "/run/my-socket";
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.sockets.<name>.startLimitBurst
Configure unit start rate limiting. Units which are started more than startLimitBurst times within an interval time interval are not permitted to start any more.

Type: signed integer

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.sockets.<name>.startLimitIntervalSec
Configure unit start rate limiting. Units which are started more than startLimitBurst times within an interval time interval are not permitted to start any more.

Type: signed integer

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.sockets.<name>.unitConfig
Each attribute in this set specifies an option in the '[Unit]' section of the unit. See **systemd.unit**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  RequiresMountsFor = "/data";
```

```
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.sockets.<name>.upheldBy

Keep this unit running as long as the listed units are running. This is a continuously enforced version of wantedBy.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.sockets.<name>.upholds

Keeps the specified running while this unit is running. A continuous version of ‘wants’.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.sockets.<name>.wantedBy

Units that want (i.e. depend on) this unit. The default method for starting a unit by default at boot time is to set this option to ‘["multi−user.target"]’ for system services. Likewise for user units (‘systemd.user.<name>.*’) set it to ‘["default.target"]’ to make a unit start by default when the user ‘<name>’ logs on.

This option creates a ‘.wants’ symlink in the given target that exists statelessly without the need for running ‘systemctl enable’. The ‘[Install]’ section described in **systemd.unit**(5) however is not supported because it is a stateful process that does not fit well into the NixOS design.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.sockets.<name>.wants

Start the specified units when this unit is started.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.suppressedSystemUnits

A list of units to skip when generating system systemd configuration directory. This has priority over upstream units, **systemd.units**, and **systemd.additionalUpstreamSystemUnits**. The main purpose of this is to prevent a upstream systemd unit from being added to the initrd with any modifications made to it by other NixOS modules.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "systemd-backlight@.service"
]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.sysupdate.enable

Atomically update the host OS, container images, portable service images or other sources.

If enabled, updates are triggered in regular intervals via a ‘systemd.timer’ unit.

Please see **systemd-sysupdate**(8) for more details.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/sysupdate.nix>

systemd.sysupdate.reboot.enable

Whether to automatically reboot after an update.

If set to ‘true’, the system will automatically reboot via a ‘systemd.timer’ unit but only after a new version was installed.

This uses a unit completely separate from the one performing the update because it is typically advisable to download updates regularly while the system is up, but delay reboots until the appropriate time (i.e. typically at night).

Set this to ‘false’ if you do not want to reboot after an update. This is useful when you update a container image or another source where rebooting is not necessary in order to finalize the update.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/sysupdate.nix>

systemd.sysupdate.reboot.timerConfig

The timer configuration for rebooting after an update.

By default, the upstream configuration is used: **https://github.com/systemd/systemd/blob/main/units/systemd−sysupdate−reboot.timer**

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  OnCalendar = "Sun 14:00:00";
  Unit = "foo.service";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/sysupdate.nix>

systemd.sysupdate.timerConfig

The timer configuration for performing the update.

By default, the upstream configuration is used: **https://github.com/systemd/systemd/blob/main/units/systemd−sysupdate.timer**

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  OnCalendar = "Sun 14:00:00";
  Unit = "foo.service";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/sysupdate.nix>

systemd.sysupdate.transfers

Specify transfers as a set of the names of the transfer files as the key and the configuration as its value. The configuration can use all upstream options. See **sysupdate.d**(5) for all available options.

Type: attribute set of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string) or a non−empty list of them)

Default:

```
{ }
```

Example:

```
{
  "10−uki" = {
    Source = {
      MatchPattern = [
        "nixos_@v+@l−@d.efi"
        "nixos_@v+@l.efi"
        "nixos_@v.efi"
      ];
      Path = "https://download.example.com/";
```

```
            Type = "url-file";
          };
          Target = {
            InstancesMax = 2;
            MatchPattern = ''
              nixos_@v+@l-@d.efi"; \
              nixos_@v+@l.efi \
              nixos_@v.efi
            '';
            Mode = "0444";
            Path = "/EFI/Linux";
            PathRelativeTo = "boot";
            TriesDone = 0;
            TriesLeft = 3;
            Type = "regular-file";
          };
          Transfer = {
            ProtectVersion = "%A";
          };
        };
      }
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/sysupdate.nix>

systemd.sysusers.enable

If enabled, users are created with systemd-sysusers instead of with the custom 'update-users-groups.pl' script.

Note: This is experimental.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/sysusers.nix>

systemd.targets

Definition of systemd target units; see **systemd.target**(5)

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.targets.<name>.enable

If set to false, this unit will be a symlink to /dev/null. This is primarily useful to prevent specific template instances (e.g. 'serial-getty@ttyS0') from being started. Note that 'enable=true' does not make a unit start by default at boot; if you want that, see 'wantedBy'.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.targets.<name>.after
If the specified units are started at the same time as this unit, delay this unit until they have started.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.targets.<name>.aliases
Aliases of that unit.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.targets.<name>.before
If the specified units are started at the same time as this unit, delay them until this unit has started.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.targets.<name>.bindsTo
Like ‘requires’, but in addition, if the specified units unexpectedly disappear, this unit will be stopped as well.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.targets.<name>.conflicts
If the specified units are started, then this unit is stopped and vice versa.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.targets.<name>.description
Description of this unit used in systemd messages and progress indicators.

Type: (optionally newline−terminated) single−line string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.targets.<name>.documentation
A list of URIs referencing documentation for this unit or its configuration.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.targets.<name>.name
The name of this systemd unit, including its extension. This can be used to refer to this unit from other systemd units.

Type: string

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.targets.<name>.onFailure
A list of one or more units that are activated when this unit enters the “failed” state.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.targets.<name>.onSuccess
A list of one or more units that are activated when this unit enters the “inactive” state.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.targets.<name>.overrideStrategy

Defines how unit configuration is provided for systemd:

'asDropinIfExists' creates a unit file when no unit file is provided by the package otherwise it creates a drop−in file named 'overrides.conf'.

'asDropin' creates a drop−in file named 'overrides.conf'. Mainly needed to define instances for systemd template units (e.g. 'systemd−nspawn@mycontainer.service').

See also **systemd.unit**(5).

Type: one of "asDropinIfExists", "asDropin"

Default:

```
"asDropinIfExists"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.targets.<name>.partOf

If the specified units are stopped or restarted, then this unit is stopped or restarted as well.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.targets.<name>.reloadTriggers

An arbitrary list of items such as derivations. If any item in the list changes between reconfigurations, the service will be reloaded. If anything but a reload trigger changes in the unit file, the unit will be restarted instead.

Type: list of (systemd option)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.targets.<name>.requiredBy

Units that require (i.e. depend on and need to go down with) this unit. As discussed in the 'wantedBy' option description this also creates '.requires' symlinks automatically.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.targets.<name>.requires

Start the specified units when this unit is started, and stop this unit when the specified units are stopped or fail.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.targets.<name>.requisite

Similar to requires. However if the units listed are not started, they will not be started and the transaction will fail.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.targets.<name>.restartTriggers

An arbitrary list of items such as derivations. If any item in the list changes between reconfigurations, the service will be restarted.

Type: list of unspecified value

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.targets.<name>.startLimitBurst

Configure unit start rate limiting. Units which are started more than startLimitBurst times within an interval time interval are not permitted to start any more.

Type: signed integer

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.targets.<name>.startLimitIntervalSec

Configure unit start rate limiting. Units which are started more than startLimitBurst times within an interval time interval are not permitted to start any more.

Type: signed integer

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.targets.<name>.unitConfig

Each attribute in this set specifies an option in the ‘[Unit]’ section of the unit. See **systemd.unit**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  RequiresMountsFor = "/data";
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.targets.<name>.upheldBy
Keep this unit running as long as the listed units are running. This is a continuously enforced version of wantedBy.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.targets.<name>.upholds
Keeps the specified running while this unit is running. A continuous version of ‘wants’.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.targets.<name>.wantedBy
Units that want (i.e. depend on) this unit. The default method for starting a unit by default at boot time is to set this option to ‘["multi−user.target"]’ for system services. Likewise for user units (‘systemd.user.<name>.*’) set it to ‘["default.target"]’ to make a unit start by default when the user ‘<name>’ logs on.

This option creates a ‘.wants’ symlink in the given target that exists statelessly without the need for running ‘systemctl enable’. The ‘[Install]’ section described in **systemd.unit**(5) however is not supported because it is a stateful process that does not fit well into the NixOS design.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.targets.<name>.wants
Start the specified units when this unit is started.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.timers

Definition of systemd timer units; see **systemd.timer**(5).

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.timers.<name>.enable

If set to false, this unit will be a symlink to /dev/null. This is primarily useful to prevent specific template instances (e.g. ‘serial−getty@ttyS0’) from being started. Note that ‘enable=true’ does not make a unit start by default at boot; if you want that, see ‘wantedBy’.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.timers.<name>.after

If the specified units are started at the same time as this unit, delay this unit until they have started.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.timers.<name>.aliases

Aliases of that unit.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.timers.<name>.before

If the specified units are started at the same time as this unit, delay them until this unit has started.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.timers.<name>.bindsTo

Like ‘requires’, but in addition, if the specified units unexpectedly disappear, this unit will be stopped as well.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.timers.<name>.conflicts

If the specified units are started, then this unit is stopped and vice versa.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.timers.<name>.description

Description of this unit used in systemd messages and progress indicators.

Type: (optionally newline−terminated) single−line string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.timers.<name>.documentation

A list of URIs referencing documentation for this unit or its configuration.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.timers.<name>.name

The name of this systemd unit, including its extension. This can be used to refer to this unit from other systemd units.

Type: string

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.timers.<name>.onFailure

A list of one or more units that are activated when this unit enters the “failed” state.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.timers.<name>.onSuccess
A list of one or more units that are activated when this unit enters the “inactive” state.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.timers.<name>.overrideStrategy
Defines how unit configuration is provided for systemd:

‘asDropinIfExists’ creates a unit file when no unit file is provided by the package otherwise it creates a drop−in file named ‘overrides.conf’.

‘asDropin’ creates a drop−in file named ‘overrides.conf’. Mainly needed to define instances for systemd template units (e.g. ‘systemd−nspawn@mycontainer.service’).

See also **systemd.unit**(5).

Type: one of “asDropinIfExists”, “asDropin”

Default:

```
"asDropinIfExists"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.timers.<name>.partOf
If the specified units are stopped or restarted, then this unit is stopped or restarted as well.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.timers.<name>.reloadTriggers
An arbitrary list of items such as derivations. If any item in the list changes between reconfigurations, the service will be reloaded. If anything but a reload trigger changes in the unit file, the unit will be restarted instead.

Type: list of (systemd option)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.timers.<name>.requiredBy

Units that require (i.e. depend on and need to go down with) this unit. As discussed in the 'wantedBy' option description this also creates '.requires' symlinks automatically.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.timers.<name>.requires

Start the specified units when this unit is started, and stop this unit when the specified units are stopped or fail.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.timers.<name>.requisite

Similar to requires. However if the units listed are not started, they will not be started and the transaction will fail.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.timers.<name>.restartTriggers

An arbitrary list of items such as derivations. If any item in the list changes between reconfigurations, the service will be restarted.

Type: list of unspecified value

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.timers.<name>.startLimitBurst

Configure unit start rate limiting. Units which are started more than startLimitBurst times within an interval time interval are not permitted to start any more.

Type: signed integer

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.timers.<name>.startLimitIntervalSec

Configure unit start rate limiting. Units which are started more than startLimitBurst times within an interval time interval are not permitted to start any more.

Type: signed integer

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.timers.<name>.timerConfig

Each attribute in this set specifies an option in the '[Timer]' section of the unit. See **systemd.timer**(5) and **systemd.time**(7) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  OnCalendar = "Sun 14:00:00";
  Unit = "foo.service";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.timers.<name>.unitConfig

Each attribute in this set specifies an option in the '[Unit]' section of the unit. See **systemd.unit**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  RequiresMountsFor = "/data";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.timers.<name>.upheldBy

Keep this unit running as long as the listed units are running. This is a continuously enforced version of wantedBy.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.timers.<name>.upholds

Keeps the specified running while this unit is running. A continuous version of ‘wants’.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.timers.<name>.wantedBy

Units that want (i.e. depend on) this unit. The default method for starting a unit by default at boot time is to set this option to ‘["multi−user.target"]’ for system services. Likewise for user units (‘systemd.user.<name>.*’) set it to ‘["default.target"]’ to make a unit start by default when the user ‘<name>’ logs on.

This option creates a ‘.wants’ symlink in the given target that exists statelessly without the need for running ‘systemctl enable’. The ‘[Install]’ section described in **systemd.unit**(5) however is not supported because it is a stateful process that does not fit well into the NixOS design.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.timers.<name>.wants

Start the specified units when this unit is started.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.tmpfiles.packages

List of packages containing **systemd−tmpfiles** rules.

All files ending in .conf found in *«pkg»/lib/tmpfiles.d* will be included. If this folder does not exist or does not contain any files an error will be returned instead.

If a *lib* output is available, rules are searched there and only there. If there is no *lib* output it will fall back to *out* and if that does not exist either, the default output will be used.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.lvm2 ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/tmpfiles.nix>

systemd.tmpfiles.rules
Rules for creation, deletion and cleaning of volatile and temporary files automatically. See **tmpfiles.d**(5) for the exact format.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "d /tmp 1777 root root 10d"
]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/tmpfiles.nix>

systemd.tmpfiles.settings
Declare systemd−tmpfiles rules to create, delete, and clean up volatile and temporary files and directories.

Even though the service is called ‘*tmp*files’ you can also create persistent files.

Type: attribute set of attribute set of attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "10−mypackage" = {
    "/var/lib/my−service/statefolder" = {
      d = {
        group = "root";
        mode = "0755";
        user = "root";
      };
    };
  };
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/tmpfiles.nix>

systemd.tmpfiles.settings.<config−name>.<path>.<tmpfiles−type>.age
Delete a file when it reaches a certain age.

If a file or directory is older than the current time minus the age field, it is deleted.

If set to ‘"−"’ no automatic clean−up is done.

Type: string

Default:

```
"−"
```

Example:

```
"10d"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/tmpfiles.nix>

systemd.tmpfiles.settings.<config−name>.<path>.<tmpfiles−type>.argument
An argument whose meaning depends on the type of operation.

Please see the upstream documentation for the meaning of this parameter in different situations: **tmpfiles.d**(5)

Type: string

Default:
`""`

Example:
`""`

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/tmpfiles.nix>

systemd.tmpfiles.settings.<config−name>.<path>.<tmpfiles−type>.group
The group of the file.

This may either be a numeric ID or a user/group name.

If omitted or when set to '"−"', the user and group of the user who invokes systemd−tmpfiles is used.

Type: string

Default:
`"-"`

Example:
`"root"`

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/tmpfiles.nix>

systemd.tmpfiles.settings.<config−name>.<path>.<tmpfiles−type>.mode
The file access mode to use when creating this file or directory.

Type: string

Default:
`"-"`

Example:
`"0755"`

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/tmpfiles.nix>

systemd.tmpfiles.settings.<config−name>.<path>.<tmpfiles−type>.type
The type of operation to perform on the file.

The type consists of a single letter and optionally one or more modifier characters.

Please see the upstream documentation for the available types and more details: **tmpfiles.d**(5)

Type: string

Default:
`"‹tmpfiles-type›"`

Example:

```
"d"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/tmpfiles.nix>

systemd.tmpfiles.settings.<config−name>.<path>.<tmpfiles−type>.user
The user of the file.

This may either be a numeric ID or a user/group name.

If omitted or when set to '"−"', the user and group of the user who invokes systemd−tmpfiles is used.

Type: string

Default:

```
"−"
```

Example:

```
"root"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/tmpfiles.nix>

systemd.tpm2.enable
Whether to enable systemd TPM2 support.

Type: boolean

Default:

```
"systemd.package.withTpm2Units"
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/tpm2.nix>

systemd.units
Definition of systemd units; see **systemd.unit**(5).

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.units.<name>.enable
If set to false, this unit will be a symlink to /dev/null. This is primarily useful to prevent specific template instances (e.g. 'serial−getty@ttyS0') from being started. Note that 'enable=true' does not make a unit start by default at boot; if you want that, see 'wantedBy'.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.units.<name>.aliases

Aliases of that unit.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.units.<name>.name

The name of this systemd unit, including its extension. This can be used to refer to this unit from other systemd units.

Type: string

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.units.<name>.overrideStrategy

Defines how unit configuration is provided for systemd:

‘asDropinIfExists’ creates a unit file when no unit file is provided by the package otherwise it creates a drop−in file named ‘overrides.conf’.

‘asDropin’ creates a drop−in file named ‘overrides.conf’. Mainly needed to define instances for systemd template units (e.g. ‘systemd−nspawn@mycontainer.service’).

See also **systemd.unit**(5).

Type: one of “asDropinIfExists”, “asDropin”

Default:

```
"asDropinIfExists"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.units.<name>.requiredBy

Units that require (i.e. depend on and need to go down with) this unit. As discussed in the ‘wantedBy’ option description this also creates ‘.requires’ symlinks automatically.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.units.<name>.text

Text of this systemd unit.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.units.<name>.upheldBy
Keep this unit running as long as the listed units are running. This is a continuously enforced version of wantedBy.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.units.<name>.wantedBy
Units that want (i.e. depend on) this unit. The default method for starting a unit by default at boot time is to set this option to '["multi−user.target"]' for system services. Likewise for user units ('systemd.user.<name>.*') set it to '["default.target"]' to make a unit start by default when the user '<name>' logs on.

This option creates a '.wants' symlink in the given target that exists statelessly without the need for running 'systemctl enable'. The '[Install]' section described in **systemd.unit**(5) however is not supported because it is a stateful process that does not fit well into the NixOS design.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd.nix>

systemd.user.extraConfig
Extra config options for systemd user instances. See **systemd−user.conf**(5) for available options.

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
"DefaultTimeoutStartSec=60"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.generators
Definition of systemd generators; see **systemd.generator**(5).

For each 'NAME = VALUE' pair of the attrSet, a link is generated from '/etc/systemd/user−generators/NAME' to 'VALUE'.

Type: attribute set of absolute path

Default:

```
{ }
```

Example:

```
{
```

```
  systemd-gpt-auto-generator = "/dev/null";
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.paths
Definition of systemd per-user path units.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.paths.<name>.enable
If set to false, this unit will be a symlink to /dev/null. This is primarily useful to prevent specific template instances (e.g. 'serial-getty@ttyS0') from being started. Note that 'enable=true' does not make a unit start by default at boot; if you want that, see 'wantedBy'.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.paths.<name>.after
If the specified units are started at the same time as this unit, delay this unit until they have started.

Type: list of string matching the pattern [a-zA-Z0-9@%:_.\\-]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.paths.<name>.aliases
Aliases of that unit.

Type: list of string matching the pattern [a-zA-Z0-9@%:_.\\-]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.paths.<name>.before
If the specified units are started at the same time as this unit, delay them until this unit has started.

Type: list of string matching the pattern [a-zA-Z0-9@%:_.\\-]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.paths.<name>.bindsTo
Like ‘requires’, but in addition, if the specified units unexpectedly disappear, this unit will be stopped as well.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.paths.<name>.conflicts
If the specified units are started, then this unit is stopped and vice versa.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.paths.<name>.description
Description of this unit used in systemd messages and progress indicators.

Type: (optionally newline−terminated) single−line string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.paths.<name>.documentation
A list of URIs referencing documentation for this unit or its configuration.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.paths.<name>.name
The name of this systemd unit, including its extension. This can be used to refer to this unit from other systemd units.

Type: string

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.paths.<name>.onFailure

A list of one or more units that are activated when this unit enters the “failed” state.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.paths.<name>.onSuccess

A list of one or more units that are activated when this unit enters the “inactive” state.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.paths.<name>.overrideStrategy

Defines how unit configuration is provided for systemd:

‘asDropinIfExists’ creates a unit file when no unit file is provided by the package otherwise it creates a drop−in file named ‘overrides.conf’.

‘asDropin’ creates a drop−in file named ‘overrides.conf’. Mainly needed to define instances for systemd template units (e.g. ‘systemd−nspawn@mycontainer.service’).

See also **systemd.unit**(5).

Type: one of “asDropinIfExists”, “asDropin”

Default:

```
"asDropinIfExists"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.paths.<name>.partOf

If the specified units are stopped or restarted, then this unit is stopped or restarted as well.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.paths.<name>.pathConfig

Each attribute in this set specifies an option in the ‘[Path]’ section of the unit. See **systemd.path**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  PathChanged = "/some/path";
  Unit = "changedpath.service";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.paths.<name>.reloadTriggers

An arbitrary list of items such as derivations. If any item in the list changes between reconfigurations, the service will be reloaded. If anything but a reload trigger changes in the unit file, the unit will be restarted instead.

Type: list of (systemd option)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.paths.<name>.requiredBy

Units that require (i.e. depend on and need to go down with) this unit. As discussed in the ‘wantedBy’ option description this also creates ‘.requires’ symlinks automatically.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.paths.<name>.requires

Start the specified units when this unit is started, and stop this unit when the specified units are stopped or fail.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.paths.<name>.requisite

Similar to requires. However if the units listed are not started, they will not be started and the transaction will fail.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.paths.<name>.restartTriggers
An arbitrary list of items such as derivations. If any item in the list changes between reconfigurations, the service will be restarted.

Type: list of unspecified value

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.paths.<name>.startLimitBurst
Configure unit start rate limiting. Units which are started more than startLimitBurst times within an interval time interval are not permitted to start any more.

Type: signed integer

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.paths.<name>.startLimitIntervalSec
Configure unit start rate limiting. Units which are started more than startLimitBurst times within an interval time interval are not permitted to start any more.

Type: signed integer

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.paths.<name>.unitConfig
Each attribute in this set specifies an option in the '[Unit]' section of the unit. See **systemd.unit**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  RequiresMountsFor = "/data";
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.paths.<name>.upheldBy
Keep this unit running as long as the listed units are running. This is a continuously enforced version of wantedBy.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.paths.<name>.upholds
Keeps the specified running while this unit is running. A continuous version of ‘wants’.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.paths.<name>.wantedBy
Units that want (i.e. depend on) this unit. The default method for starting a unit by default at boot time is to set this option to ‘["multi−user.target"]’ for system services. Likewise for user units (‘systemd.user.<name>.*’) set it to ‘["default.target"]’ to make a unit start by default when the user ‘<name>’ logs on.

This option creates a ‘.wants’ symlink in the given target that exists statelessly without the need for running ‘systemctl enable’. The ‘[Install]’ section described in **systemd.unit**(5) however is not supported because it is a stateful process that does not fit well into the NixOS design.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.paths.<name>.wants
Start the specified units when this unit is started.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services
Definition of systemd per−user service units.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.enable

If set to false, this unit will be a symlink to /dev/null. This is primarily useful to prevent specific template instances (e.g. ‘serial−getty@ttyS0’) from being started. Note that ‘enable=true’ does not make a unit start by default at boot; if you want that, see ‘wantedBy’.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.enableDefaultPath

Whether to append a minimal default **PATH** environment variable to the service, containing common system utilities.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.enableStrictShellChecks

Enable running ‘shellcheck’ on the generated scripts for this unit.

When enabled, scripts generated by the unit will be checked with ‘shellcheck’ and any errors or warnings will cause the build to fail.

This affects all scripts that have been created through the ‘script’, ‘reload’, ‘preStart’, ‘postStart’, ‘preStop’ and ‘postStop’ options for systemd services. This does not affect command lines passed directly to ‘ExecStart’, ‘ExecReload’, ‘ExecStartPre’, ‘ExecStartPost’, ‘ExecStop’ or ‘ExecStopPost’.

Type: boolean

Default:

```
config.systemd.enableStrictShellChecks
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.after

If the specified units are started at the same time as this unit, delay this unit until they have started.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.aliases

Aliases of that unit.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.before
If the specified units are started at the same time as this unit, delay them until this unit has started.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.bindsTo
Like ‘requires’, but in addition, if the specified units unexpectedly disappear, this unit will be stopped as well.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.conflicts
If the specified units are started, then this unit is stopped and vice versa.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.description
Description of this unit used in systemd messages and progress indicators.

Type: (optionally newline−terminated) single−line string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.documentation
A list of URIs referencing documentation for this unit or its configuration.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.environment

Environment variables passed to the service's processes.

Type: attribute set of (null or string or absolute path or package)

Default:

```
{ }
```

Example:

```
{
  LANG = "nl_NL.UTF-8";
  PATH = "/foo/bar/bin";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.name

The name of this systemd unit, including its extension. This can be used to refer to this unit from other systemd units.

Type: string

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.notSocketActivated

If set, a changed unit is never assumed to be socket−activated on configuration switch, even if it might have associated socket units. Instead, the unit will be restarted (or stopped/started) as if it had no associated sockets.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.onFailure

A list of one or more units that are activated when this unit enters the "failed" state.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.onSuccess

A list of one or more units that are activated when this unit enters the "inactive" state.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.overrideStrategy
Defines how unit configuration is provided for systemd:

'asDropinIfExists' creates a unit file when no unit file is provided by the package otherwise it creates a drop−in file named 'overrides.conf'.

'asDropin' creates a drop−in file named 'overrides.conf'. Mainly needed to define instances for systemd template units (e.g. 'systemd−nspawn@mycontainer.service').

See also **systemd.unit**(5).

Type: one of "asDropinIfExists", "asDropin"

Default:

```
"asDropinIfExists"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.partOf
If the specified units are stopped or restarted, then this unit is stopped or restarted as well.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.path
Packages added to the service's **PATH** environment variable. Both the *bin* and *sbin* subdirectories of each package are added.

Type: list of (package or string)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.postStart
Shell commands executed after the service's main process is started.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.postStop
Shell commands executed after the service's main process has exited.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.preStart
Shell commands executed before the service's main process is started.

Type: strings concatenated with "\n"

Default:
```
""
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.preStop
Shell commands executed to stop the service.

Type: strings concatenated with "\n"

Default:
```
""
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.reload
Shell commands executed when the service's main process is reloaded.

Type: strings concatenated with "\n"

Default:
```
""
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.reloadIfChanged
Whether the service should be reloaded during a NixOS configuration switch if its definition has changed. If enabled, the value of **restartIfChanged** is ignored.

This option should not be used anymore in favor of **reloadTriggers** which allows more granular control of when a service is reloaded and when a service is restarted.

Type: boolean

Default:
```
false
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.reloadTriggers
An arbitrary list of items such as derivations. If any item in the list changes between reconfigurations, the service will be reloaded. If anything but a reload trigger changes in the unit file, the unit will be restarted instead.

Type: list of (systemd option)

Default:
```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.requiredBy
Units that require (i.e. depend on and need to go down with) this unit. As discussed in the 'wantedBy' option description this also creates '.requires' symlinks automatically.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.requires
Start the specified units when this unit is started, and stop this unit when the specified units are stopped or fail.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.requisite
Similar to requires. However if the units listed are not started, they will not be started and the transaction will fail.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.restartIfChanged
Whether the service should be restarted during a NixOS configuration switch if its definition has changed.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.restartTriggers
An arbitrary list of items such as derivations. If any item in the list changes between reconfigurations, the service will be restarted.

Type: list of unspecified value

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.script
Shell commands executed as the service's main process.

Type: strings concatenated with "\n"

Default:
```
""
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.scriptArgs
Arguments passed to the main process script. Can contain specifiers ('%' placeholders expanded by systemd, see **systemd.unit**(5)).

Type: string

Default:
```
""
```

Example:
```
"%i"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.serviceConfig
Each attribute in this set specifies an option in the '[Service]' section of the unit. See **systemd.service**(5) for details.

Type: attribute set of (systemd option)

Default:
```
{ }
```

Example:
```
{
  RestartSec = 5;
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.startAt
Automatically start this unit at the given date/time, which must be in the format described in **systemd.time**(7). This is equivalent to adding a corresponding timer unit with **OnCalendar** set to the value given here.

Type: string or list of string

Default:
```
[ ]
```

Example:
```
"Sun 14:00:00"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.startLimitBurst
Configure unit start rate limiting. Units which are started more than startLimitBurst times within an interval time interval are not permitted to start any more.

Type: signed integer

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.startLimitIntervalSec
Configure unit start rate limiting. Units which are started more than startLimitBurst times within an interval time interval are not permitted to start any more.

Type: signed integer

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.stopIfChanged
If set, a changed unit is restarted by calling **systemctl stop** in the old configuration, then **systemctl start** in the new one. Otherwise, it is restarted in a single step using **systemctl restart** in the new configuration. The latter is less correct because it runs the 'ExecStop' commands from the new configuration.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.unitConfig
Each attribute in this set specifies an option in the '[Unit]' section of the unit. See **systemd.unit**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  RequiresMountsFor = "/data";
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.upheldBy
Keep this unit running as long as the listed units are running. This is a continuously enforced version of wantedBy.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.upholds
Keeps the specified running while this unit is running. A continuous version of ‘wants’.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.wantedBy
Units that want (i.e. depend on) this unit. The default method for starting a unit by default at boot time is to set this option to ‘["multi−user.target"]’ for system services. Likewise for user units (‘systemd.user.<name>.*’) set it to ‘["default.target"]’ to make a unit start by default when the user ‘<name>’ logs on.

This option creates a ‘.wants’ symlink in the given target that exists statelessly without the need for running ‘systemctl enable’. The ‘[Install]’ section described in **systemd.unit**(5) however is not supported because it is a stateful process that does not fit well into the NixOS design.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.services.<name>.wants
Start the specified units when this unit is started.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.slices
Definition of systemd per−user slice units.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.slices.<name>.enable

If set to false, this unit will be a symlink to /dev/null. This is primarily useful to prevent specific template instances (e.g. ‘serial−getty@ttyS0’) from being started. Note that ‘enable=true’ does not make a unit start by default at boot; if you want that, see ‘wantedBy’.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.slices.<name>.after

If the specified units are started at the same time as this unit, delay this unit until they have started.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.slices.<name>.aliases

Aliases of that unit.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.slices.<name>.before

If the specified units are started at the same time as this unit, delay them until this unit has started.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.slices.<name>.bindsTo

Like ‘requires’, but in addition, if the specified units unexpectedly disappear, this unit will be stopped as well.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.slices.<name>.conflicts
If the specified units are started, then this unit is stopped and vice versa.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.slices.<name>.description
Description of this unit used in systemd messages and progress indicators.

Type: (optionally newline−terminated) single−line string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.slices.<name>.documentation
A list of URIs referencing documentation for this unit or its configuration.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.slices.<name>.name
The name of this systemd unit, including its extension. This can be used to refer to this unit from other systemd units.

Type: string

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.slices.<name>.onFailure
A list of one or more units that are activated when this unit enters the “failed” state.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.slices.<name>.onSuccess

A list of one or more units that are activated when this unit enters the “inactive” state.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.slices.<name>.overrideStrategy

Defines how unit configuration is provided for systemd:

‘asDropinIfExists’ creates a unit file when no unit file is provided by the package otherwise it creates a drop−in file named ‘overrides.conf’.

‘asDropin’ creates a drop−in file named ‘overrides.conf’. Mainly needed to define instances for systemd template units (e.g. ‘systemd−nspawn@mycontainer.service’).

See also **systemd.unit**(5).

Type: one of “asDropinIfExists”, “asDropin”

Default:

```
"asDropinIfExists"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.slices.<name>.partOf

If the specified units are stopped or restarted, then this unit is stopped or restarted as well.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.slices.<name>.reloadTriggers

An arbitrary list of items such as derivations. If any item in the list changes between reconfigurations, the service will be reloaded. If anything but a reload trigger changes in the unit file, the unit will be restarted instead.

Type: list of (systemd option)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.slices.<name>.requiredBy

Units that require (i.e. depend on and need to go down with) this unit. As discussed in the ‘wantedBy’ option description this also creates ‘.requires’ symlinks automatically.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.slices.<name>.requires

Start the specified units when this unit is started, and stop this unit when the specified units are stopped or fail.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.slices.<name>.requisite

Similar to requires. However if the units listed are not started, they will not be started and the transaction will fail.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.slices.<name>.restartTriggers

An arbitrary list of items such as derivations. If any item in the list changes between reconfigurations, the service will be restarted.

Type: list of unspecified value

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.slices.<name>.sliceConfig

Each attribute in this set specifies an option in the ‘[Slice]’ section of the unit. See **systemd.slice**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  MemoryMax = "2G";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.slices.<name>.startLimitBurst

Configure unit start rate limiting. Units which are started more than startLimitBurst times within an interval time interval are not permitted to start any more.

Type: signed integer

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.slices.<name>.startLimitIntervalSec

Configure unit start rate limiting. Units which are started more than startLimitBurst times within an interval time interval are not permitted to start any more.

Type: signed integer

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.slices.<name>.unitConfig

Each attribute in this set specifies an option in the '[Unit]' section of the unit. See **systemd.unit**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  RequiresMountsFor = "/data";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.slices.<name>.upheldBy

Keep this unit running as long as the listed units are running. This is a continuously enforced version of wantedBy.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.slices.<name>.upholds

Keeps the specified running while this unit is running. A continuous version of 'wants'.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.slices.<name>.wantedBy

Units that want (i.e. depend on) this unit. The default method for starting a unit by default at boot time is to set this option to ‘["multi−user.target"]’ for system services. Likewise for user units (‘systemd.user.<name>.*’) set it to ‘["default.target"]’ to make a unit start by default when the user ‘<name>’ logs on.

This option creates a ‘.wants’ symlink in the given target that exists statelessly without the need for running ‘systemctl enable’. The ‘[Install]’ section described in **systemd.unit**(5) however is not supported because it is a stateful process that does not fit well into the NixOS design.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.slices.<name>.wants

Start the specified units when this unit is started.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.sockets

Definition of systemd per−user socket units.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.sockets.<name>.enable

If set to false, this unit will be a symlink to /dev/null. This is primarily useful to prevent specific template instances (e.g. ‘serial−getty@ttyS0’) from being started. Note that ‘enable=true’ does not make a unit start by default at boot; if you want that, see ‘wantedBy’.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.sockets.<name>.after

If the specified units are started at the same time as this unit, delay this unit until they have started.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.sockets.<name>.aliases

Aliases of that unit.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.sockets.<name>.before

If the specified units are started at the same time as this unit, delay them until this unit has started.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.sockets.<name>.bindsTo

Like ‘requires’, but in addition, if the specified units unexpectedly disappear, this unit will be stopped as well.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.sockets.<name>.conflicts

If the specified units are started, then this unit is stopped and vice versa.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.sockets.<name>.description

Description of this unit used in systemd messages and progress indicators.

Type: (optionally newline−terminated) single−line string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.sockets.<name>.documentation
A list of URIs referencing documentation for this unit or its configuration.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.sockets.<name>.listenDatagrams
For each item in this list, a 'ListenDatagram' option in the '[Socket]' section will be created.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "0.0.0.0:993"
  "/run/my-socket"
]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.sockets.<name>.listenStreams
For each item in this list, a 'ListenStream' option in the '[Socket]' section will be created.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "0.0.0.0:993"
  "/run/my-socket"
]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.sockets.<name>.name
The name of this systemd unit, including its extension. This can be used to refer to this unit from other systemd units.

Type: string

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.sockets.<name>.onFailure

A list of one or more units that are activated when this unit enters the “failed” state.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.sockets.<name>.onSuccess

A list of one or more units that are activated when this unit enters the “inactive” state.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.sockets.<name>.overrideStrategy

Defines how unit configuration is provided for systemd:

‘asDropinIfExists’ creates a unit file when no unit file is provided by the package otherwise it creates a drop−in file named ‘overrides.conf’.

‘asDropin’ creates a drop−in file named ‘overrides.conf’. Mainly needed to define instances for systemd template units (e.g. ‘systemd−nspawn@mycontainer.service’).

See also **systemd.unit**(5).

Type: one of “asDropinIfExists”, “asDropin”

Default:

```
"asDropinIfExists"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.sockets.<name>.partOf

If the specified units are stopped or restarted, then this unit is stopped or restarted as well.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.sockets.<name>.reloadTriggers

An arbitrary list of items such as derivations. If any item in the list changes between reconfigurations, the service will be reloaded. If anything but a reload trigger changes in the unit file, the unit will be restarted instead.

Type: list of (systemd option)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.sockets.<name>.requiredBy
Units that require (i.e. depend on and need to go down with) this unit. As discussed in the 'wantedBy' option description this also creates '.requires' symlinks automatically.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.sockets.<name>.requires
Start the specified units when this unit is started, and stop this unit when the specified units are stopped or fail.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.sockets.<name>.requisite
Similar to requires. However if the units listed are not started, they will not be started and the transaction will fail.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.sockets.<name>.restartTriggers
An arbitrary list of items such as derivations. If any item in the list changes between reconfigurations, the service will be restarted.

Type: list of unspecified value

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.sockets.<name>.socketConfig
Each attribute in this set specifies an option in the '[Socket]' section of the unit. See **systemd.socket**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  ListenStream = "/run/my-socket";
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.sockets.<name>.startLimitBurst
Configure unit start rate limiting. Units which are started more than startLimitBurst times within an interval time interval are not permitted to start any more.

Type: signed integer

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.sockets.<name>.startLimitIntervalSec
Configure unit start rate limiting. Units which are started more than startLimitBurst times within an interval time interval are not permitted to start any more.

Type: signed integer

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.sockets.<name>.unitConfig
Each attribute in this set specifies an option in the '[Unit]' section of the unit. See **systemd.unit**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  RequiresMountsFor = "/data";
}
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.sockets.<name>.upheldBy
Keep this unit running as long as the listed units are running. This is a continuously enforced version of wantedBy.

Type: list of string matching the pattern [a-zA-Z0-9@%:_.\\-]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.sockets.<name>.upholds
Keeps the specified running while this unit is running. A continuous version of 'wants'.

Type: list of string matching the pattern [a-zA-Z0-9@%:_.\\-]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.sockets.<name>.wantedBy

Units that want (i.e. depend on) this unit. The default method for starting a unit by default at boot time is to set this option to '["multi−user.target"]' for system services. Likewise for user units ('systemd.user.<name>.*') set it to '["default.target"]' to make a unit start by default when the user '<name>' logs on.

This option creates a '.wants' symlink in the given target that exists statelessly without the need for running 'systemctl enable'. The '[Install]' section described in **systemd.unit**(5) however is not supported because it is a stateful process that does not fit well into the NixOS design.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.sockets.<name>.wants

Start the specified units when this unit is started.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.targets

Definition of systemd per−user target units.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.targets.<name>.enable

If set to false, this unit will be a symlink to /dev/null. This is primarily useful to prevent specific template instances (e.g. 'serial−getty@ttyS0') from being started. Note that 'enable=true' does not make a unit start by default at boot; if you want that, see 'wantedBy'.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.targets.<name>.after

If the specified units are started at the same time as this unit, delay this unit until they have started.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.targets.<name>.aliases

Aliases of that unit.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.targets.<name>.before

If the specified units are started at the same time as this unit, delay them until this unit has started.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.targets.<name>.bindsTo

Like ‘requires’, but in addition, if the specified units unexpectedly disappear, this unit will be stopped as well.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.targets.<name>.conflicts

If the specified units are started, then this unit is stopped and vice versa.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.targets.<name>.description

Description of this unit used in systemd messages and progress indicators.

Type: (optionally newline−terminated) single−line string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.targets.<name>.documentation

A list of URIs referencing documentation for this unit or its configuration.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.targets.<name>.name

The name of this systemd unit, including its extension. This can be used to refer to this unit from other systemd units.

Type: string

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.targets.<name>.onFailure

A list of one or more units that are activated when this unit enters the “failed” state.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.targets.<name>.onSuccess

A list of one or more units that are activated when this unit enters the “inactive” state.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.targets.<name>.overrideStrategy

Defines how unit configuration is provided for systemd:

‘asDropinIfExists’ creates a unit file when no unit file is provided by the package otherwise it creates a drop−in file named ‘overrides.conf’.

‘asDropin’ creates a drop−in file named ‘overrides.conf’. Mainly needed to define instances for systemd template units (e.g. ‘systemd−nspawn@mycontainer.service’).

See also **systemd.unit**(5).

Type: one of “asDropinIfExists”, “asDropin”

Default:

```
"asDropinIfExists"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.targets.<name>.partOf
If the specified units are stopped or restarted, then this unit is stopped or restarted as well.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.targets.<name>.reloadTriggers
An arbitrary list of items such as derivations. If any item in the list changes between reconfigurations, the service will be reloaded. If anything but a reload trigger changes in the unit file, the unit will be restarted instead.

Type: list of (systemd option)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.targets.<name>.requiredBy
Units that require (i.e. depend on and need to go down with) this unit. As discussed in the ‘wantedBy’ option description this also creates ‘.requires’ symlinks automatically.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.targets.<name>.requires
Start the specified units when this unit is started, and stop this unit when the specified units are stopped or fail.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.targets.<name>.requisite

Similar to requires. However if the units listed are not started, they will not be started and the transaction will fail.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.targets.<name>.restartTriggers

An arbitrary list of items such as derivations. If any item in the list changes between reconfigurations, the service will be restarted.

Type: list of unspecified value

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.targets.<name>.startLimitBurst

Configure unit start rate limiting. Units which are started more than startLimitBurst times within an interval time interval are not permitted to start any more.

Type: signed integer

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.targets.<name>.startLimitIntervalSec

Configure unit start rate limiting. Units which are started more than startLimitBurst times within an interval time interval are not permitted to start any more.

Type: signed integer

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.targets.<name>.unitConfig

Each attribute in this set specifies an option in the ‘[Unit]’ section of the unit. See **systemd.unit**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  RequiresMountsFor = "/data";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.targets.<name>.upheldBy

Keep this unit running as long as the listed units are running. This is a continuously enforced version of wantedBy.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.targets.<name>.upholds

Keeps the specified running while this unit is running. A continuous version of ‘wants’.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.targets.<name>.wantedBy

Units that want (i.e. depend on) this unit. The default method for starting a unit by default at boot time is to set this option to ‘["multi−user.target"]’ for system services. Likewise for user units (‘systemd.user.<name>.*’) set it to ‘["default.target"]’ to make a unit start by default when the user ‘<name>’ logs on.

This option creates a ‘.wants’ symlink in the given target that exists statelessly without the need for running ‘systemctl enable’. The ‘[Install]’ section described in **systemd.unit**(5) however is not supported because it is a stateful process that does not fit well into the NixOS design.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.targets.<name>.wants

Start the specified units when this unit is started.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.timers

Definition of systemd per−user timer units.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.timers.<name>.enable

If set to false, this unit will be a symlink to /dev/null. This is primarily useful to prevent specific template instances (e.g. ‘serial−getty@ttyS0’) from being started. Note that ‘enable=true’ does not make a unit start by default at boot; if you want that, see ‘wantedBy’.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.timers.<name>.after

If the specified units are started at the same time as this unit, delay this unit until they have started.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.timers.<name>.aliases

Aliases of that unit.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.timers.<name>.before

If the specified units are started at the same time as this unit, delay them until this unit has started.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.timers.<name>.bindsTo

Like ‘requires’, but in addition, if the specified units unexpectedly disappear, this unit will be stopped as well.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.timers.<name>.conflicts
If the specified units are started, then this unit is stopped and vice versa.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.timers.<name>.description
Description of this unit used in systemd messages and progress indicators.

Type: (optionally newline−terminated) single−line string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.timers.<name>.documentation
A list of URIs referencing documentation for this unit or its configuration.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.timers.<name>.name
The name of this systemd unit, including its extension. This can be used to refer to this unit from other systemd units.

Type: string

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.timers.<name>.onFailure
A list of one or more units that are activated when this unit enters the “failed” state.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.timers.<name>.onSuccess

A list of one or more units that are activated when this unit enters the “inactive” state.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.timers.<name>.overrideStrategy

Defines how unit configuration is provided for systemd:

‘asDropinIfExists’ creates a unit file when no unit file is provided by the package otherwise it creates a drop−in file named ‘overrides.conf’.

‘asDropin’ creates a drop−in file named ‘overrides.conf’. Mainly needed to define instances for systemd template units (e.g. ‘systemd−nspawn@mycontainer.service’).

See also **systemd.unit**(5).

Type: one of “asDropinIfExists”, “asDropin”

Default:

```
"asDropinIfExists"
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.timers.<name>.partOf

If the specified units are stopped or restarted, then this unit is stopped or restarted as well.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.timers.<name>.reloadTriggers

An arbitrary list of items such as derivations. If any item in the list changes between reconfigurations, the service will be reloaded. If anything but a reload trigger changes in the unit file, the unit will be restarted instead.

Type: list of (systemd option)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.timers.<name>.requiredBy

Units that require (i.e. depend on and need to go down with) this unit. As discussed in the ‘wantedBy’ option description this also creates ‘.requires’ symlinks automatically.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.timers.<name>.requires

Start the specified units when this unit is started, and stop this unit when the specified units are stopped or fail.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.timers.<name>.requisite

Similar to requires. However if the units listed are not started, they will not be started and the transaction will fail.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.timers.<name>.restartTriggers

An arbitrary list of items such as derivations. If any item in the list changes between reconfigurations, the service will be restarted.

Type: list of unspecified value

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.timers.<name>.startLimitBurst

Configure unit start rate limiting. Units which are started more than startLimitBurst times within an interval time interval are not permitted to start any more.

Type: signed integer

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.timers.<name>.startLimitIntervalSec

Configure unit start rate limiting. Units which are started more than startLimitBurst times within an interval time interval are not permitted to start any more.

Type: signed integer

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.timers.<name>.timerConfig

Each attribute in this set specifies an option in the '[Timer]' section of the unit. See **systemd.timer**(5) and **systemd.time**(7) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  OnCalendar = "Sun 14:00:00";
  Unit = "foo.service";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.timers.<name>.unitConfig

Each attribute in this set specifies an option in the '[Unit]' section of the unit. See **systemd.unit**(5) for details.

Type: attribute set of (systemd option)

Default:

```
{ }
```

Example:

```
{
  RequiresMountsFor = "/data";
}
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.timers.<name>.upheldBy

Keep this unit running as long as the listed units are running. This is a continuously enforced version of wantedBy.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.timers.<name>.upholds

Keeps the specified running while this unit is running. A continuous version of 'wants'.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.timers.<name>.wantedBy

Units that want (i.e. depend on) this unit. The default method for starting a unit by default at boot time is to set this option to ‘["multi−user.target"]’ for system services. Likewise for user units (‘systemd.user.<name>.*’) set it to ‘["default.target"]’ to make a unit start by default when the user ‘<name>’ logs on.

This option creates a ‘.wants’ symlink in the given target that exists statelessly without the need for running ‘systemctl enable’. The ‘[Install]’ section described in **systemd.unit**(5) however is not supported because it is a stateful process that does not fit well into the NixOS design.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.timers.<name>.wants

Start the specified units when this unit is started.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.tmpfiles.enable

Whether to enable systemd user units systemd−tmpfiles−setup.service and systemd−tmpfiles−clean.timer.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:

<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.tmpfiles.rules

Global user rules for creation, deletion and cleaning of volatile and temporary files automatically. See **tmpfiles.d**(5) for the exact format.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "D %C - - - 7d"
]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.tmpfiles.users
Per−user rules for creation, deletion and cleaning of volatile and temporary files automatically.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.tmpfiles.users.<name>.rules
Per−user rules for creation, deletion and cleaning of volatile and temporary files automatically. See **tmpfiles.d**(5) for the exact format.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "D %C − − − 7d"
]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.units
Definition of systemd per−user units.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.units.<name>.enable
If set to false, this unit will be a symlink to /dev/null. This is primarily useful to prevent specific template instances (e.g. ‘serial−getty@ttyS0’) from being started. Note that ‘enable=true’ does not make a unit start by default at boot; if you want that, see ‘wantedBy’.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.units.<name>.aliases
Aliases of that unit.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.units.<name>.name
The name of this systemd unit, including its extension. This can be used to refer to this unit from other systemd units.

Type: string

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.units.<name>.overrideStrategy
Defines how unit configuration is provided for systemd:

‘asDropinIfExists’ creates a unit file when no unit file is provided by the package otherwise it creates a drop−in file named ‘overrides.conf’.

‘asDropin’ creates a drop−in file named ‘overrides.conf’. Mainly needed to define instances for systemd template units (e.g. ‘systemd−nspawn@mycontainer.service’).

See also **systemd.unit**(5).

Type: one of “asDropinIfExists”, “asDropin”

Default:

```
"asDropinIfExists"
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.units.<name>.requiredBy
Units that require (i.e. depend on and need to go down with) this unit. As discussed in the ‘wantedBy’ option description this also creates ‘.requires’ symlinks automatically.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.units.<name>.text
Text of this systemd unit.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.units.<name>.upheldBy
Keep this unit running as long as the listed units are running. This is a continuously enforced version of wantedBy.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

systemd.user.units.<name>.wantedBy
Units that want (i.e. depend on) this unit. The default method for starting a unit by default at boot time is to set this option to '["multi−user.target"]' for system services. Likewise for user units ('systemd.user.<name>.*') set it to '["default.target"]' to make a unit start by default when the user '<name>' logs on.

This option creates a '.wants' symlink in the given target that exists statelessly without the need for running 'systemctl enable'. The '[Install]' section described in **systemd.unit**(5) however is not supported because it is a stateful process that does not fit well into the NixOS design.

Type: list of string matching the pattern [a−zA−Z0−9@%:_.\\−]+[.](service|socket|device|mount|automount|swap|target|path|timer|scope|slice)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/system/boot/systemd/user.nix>

time.hardwareClockInLocalTime
If set, keep the hardware clock in local time instead of UTC.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/config/locale.nix>

time.timeZone
The time zone used when displaying times and dates. See **https://en.wikipedia.org/wiki/List_of_tz_database_time_zones** for a comprehensive list of possible values for this setting.

If null, the timezone will default to UTC and can be set imperatively using timedatectl.

Type: null or string without spaces

Default:

```
null
```

Example:

```
"America/New_York"
```

Declared by:
<nixpkgs/nixos/modules/config/locale.nix>

users.allowNoPasswordLogin
Disable checking that at least the 'root' user or a user in the 'wheel' group can log in using a password or an SSH key.

WARNING: enabling this can lock you out of your system. Enable this only if you know what are you doing.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

users.defaultUserHome
The default home directory for normal users.

Type: string

Default:

```
"/home"
```

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

users.defaultUserShell
This option defines the default shell assigned to user accounts. This can be either a full system path or a shell package.

This must not be a store path, since the path is used outside the store (in particular in /etc/passwd).

Type: absolute path or package

Default:

```
"/bin/sh"
```

Example:

```
pkgs.zsh
```

Declared by:
<nixpkgs/nixos/modules/programs/shadow.nix>

users.enforceIdUniqueness
Whether to require that no two users/groups share the same uid/gid.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

users.extraGroups
Alias of **users.groups**.

Type: attribute set of (submodule)

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

users.extraGroups.<name>.gid
The group GID. If the GID is null, a free GID is picked on activation.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

users.extraGroups.<name>.members
The user names of the group members, added to the '/etc/group' file.

Type: list of (string, not containing newlines or colons)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

users.extraGroups.<name>.name
The name of the group. If undefined, the name of the attribute set will be used.

Type: string, not containing newlines or colons

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

users.extraUsers
Alias of **users.users**.

Type: attribute set of (submodule)

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

users.extraUsers.<name>.enable
If set to false, the user account will not be created. This is useful for when you wish to conditionally disable user accounts.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

users.extraUsers.<name>.packages
The set of packages that should be made available to the user. This is in contrast to **environment.systemPackages**, which adds packages to all users.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.firefox pkgs.thunderbird ]
```

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

users.extraUsers.<name>.autoSubUidGidRange
Automatically allocate subordinate user and group ids for this user. Allocated range is currently always of size 65536.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

users.extraUsers.<name>.createHome
Whether to create the home directory and ensure ownership as well as permissions to match the user.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

users.extraUsers.<name>.cryptHomeLuks
Path to encrypted luks device that contains the user's home directory.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

users.extraUsers.<name>.description
A short description of the user account, typically the user's full name. This is actually the "GECOS" or "comment" field in */etc/passwd*.

Type: string, not containing newlines or colons

Default:

```
""
```

Example:

```
"Alice Q. User"
```

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

users.extraUsers.<name>.expires
Set the date on which the user's account will no longer be accessible. The date is expressed in the format YYYY−MM−DD, or null to disable the expiry. A user whose account is locked must contact the system administrator before being able to use the system again.

Type: null or string matching the pattern [[:digit:]]{4}−[[:digit:]]{2}−[[:digit:]]{2}

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

users.extraUsers.<name>.extraGroups

The user's auxiliary groups.

Type: list of string

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/config/users−groups.nix>

users.extraUsers.<name>.group

The user's primary group.

Type: string

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/config/users−groups.nix>

users.extraUsers.<name>.hashedPassword

Specifies the hashed password for the user.

The **initialHashedPassword**, **hashedPassword**, **initialPassword**, **password** and **hashedPasswordFile** options all control what password is set for the user.

In a system where **systemd.sysusers.enable** is 'false', typically only one of **hashedPassword**, **password**, or **hashedPasswordFile** will be set.

In a system where **systemd.sysusers.enable** or **services.userborn.enable** is 'true', typically only one of **initialPassword**, **initialHashedPassword**, or **hashedPasswordFile** will be set.

If the option **users.mutableUsers** is true, the password defined in one of the above password options will only be set when the user is created for the first time. After that, you are free to change the password with the ordinary user management commands. If **users.mutableUsers** is false, you cannot change user passwords, they will always be set according to the password options.

If none of the password options are set, then no password is assigned to the user, and the user will not be able to do password−based logins.

If multiple of these password options are set at the same time then a specific order of precedence is followed, which can lead to surprising results. The order of precedence differs depending on whether the **users.mutableUsers** option is set.

If the option **users.mutableUsers** is 'false', then the order of precedence is as shown below, where values on the left are overridden by values on the right: **initialHashedPassword** −> **hashedPassword** −> **initialPassword** −> **password** −> **hashedPasswordFile**

If the option **users.mutableUsers** is 'true', then the order of precedence is as shown below, where values on the left are overridden by values on the right: **initialHashedPassword** −> **initialPassword** −> **hashedPassword** −> **password** −> **hashedPasswordFile**

To generate a hashed password run 'mkpasswd'.

If set to an empty string ('""'), this user will be able to log in without being asked for a password (but not via remote services such as SSH, or indirectly via **su** or **sudo**). This should only be used for e.g. bootable live systems. Note: this is different from setting an empty password, which can be achieved using **users.users.<name?>.password**.

If set to 'null' (default) this user will not be able to log in using a password (i.e. via **login** command).

Type: null or (string, not containing newlines or colons)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/config/users−groups.nix>

users.extraUsers.<name>.hashedPasswordFile

The full path to a file that contains the hash of the user's password. The password file is read on each system activation. The file should contain exactly one line, the salted password hash produced by 'mkpasswd'.

The **initialHashedPassword**, **hashedPassword**, **initialPassword**, **password** and **hashedPasswordFile** options all control what password is set for the user.

In a system where **systemd.sysusers.enable** is 'false', typically only one of **hashedPassword**, **password**, or **hashedPasswordFile** will be set.

In a system where **systemd.sysusers.enable** or **services.userborn.enable** is 'true', typically only one of **initialPassword**, **initialHashedPassword**, or **hashedPasswordFile** will be set.

If the option **users.mutableUsers** is true, the password defined in one of the above password options will only be set when the user is created for the first time. After that, you are free to change the password with the ordinary user management commands. If **users.mutableUsers** is false, you cannot change user passwords, they will always be set according to the password options.

If none of the password options are set, then no password is assigned to the user, and the user will not be able to do password−based logins.

If multiple of these password options are set at the same time then a specific order of precedence is followed, which can lead to surprising results. The order of precedence differs depending on whether the **users.mutableUsers** option is set.

If the option **users.mutableUsers** is 'false', then the order of precedence is as shown below, where values on the left are overridden by values on the right: **initialHashedPassword** −> **hashedPassword** −> **initialPassword** −> **password** −> **hashedPasswordFile**

If the option **users.mutableUsers** is 'true', then the order of precedence is as shown below, where values on the left are overridden by values on the right: **initialHashedPassword** −> **initialPassword** −> **hashedPassword** −> **password** −> **hashedPasswordFile**

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/config/users−groups.nix>

users.extraUsers.<name>.home

The user's home directory.

Type: absolute path, not containing newlines or colons

Default:

```
"/var/empty"
```

Declared by:

<nixpkgs/nixos/modules/config/users−groups.nix>

users.extraUsers.<name>.homeMode

The user's home directory mode in numeric format. See **chmod**(1). The mode is only applied if **users.users.<name>.createHome** is true.

Type: string matching the pattern [0−7]{1,5}

Default:

```
"700"
```

Declared by:

<nixpkgs/nixos/modules/config/users−groups.nix>

users.extraUsers.<name>.ignoreShellProgramCheck

By default, nixos will check that programs.SHELL.enable is set to true if the user has a custom shell specified. If that behavior isn't required and there are custom overrides in place to make sure that the shell is functional, set this to true.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/config/users−groups.nix>

users.extraUsers.<name>.initialHashedPassword

Specifies the initial hashed password for the user, i.e. the hashed password assigned if the user does not already exist. If **users.mutableUsers** is true, the password can be changed subsequently using the **passwd** command. Otherwise, it's equivalent to setting the **hashedPassword** option.

The **initialHashedPassword**, **hashedPassword**, **initialPassword**, **password** and **hashedPasswordFile** options all control what password is set for the user.

In a system where **systemd.sysusers.enable** is 'false', typically only one of **hashedPassword**, **password**, or **hashedPasswordFile** will be set.

In a system where **systemd.sysusers.enable** or **services.userborn.enable** is 'true', typically only one of **initialPassword**, **initialHashedPassword**, or **hashedPasswordFile** will be set.

If the option **users.mutableUsers** is true, the password defined in one of the above password options will only be set when the user is created for the first time. After that, you are free to change the password with the ordinary user management commands. If **users.mutableUsers** is false, you cannot change user passwords, they will always be set according to the password options.

If none of the password options are set, then no password is assigned to the user, and the user will not be able to do password−based logins.

If multiple of these password options are set at the same time then a specific order of precedence is followed, which can lead to surprising results. The order of precedence differs depending on whether the **users.mutableUsers** option is set.

If the option **users.mutableUsers** is 'false', then the order of precedence is as shown below, where values on the left are overridden by values on the right: **initialHashedPassword** −> **hashedPassword** −> **initialPassword** −> **password** −> **hashedPasswordFile**

If the option **users.mutableUsers** is 'true', then the order of precedence is as shown below, where values on the left are overridden by values on the right: **initialHashedPassword** −> **initialPassword** −> **hashedPassword** −> **password** −> **hashedPasswordFile**

To generate a hashed password run 'mkpasswd'.

If set to an empty string (''''), this user will be able to log in without being asked for a password (but not via remote services such as SSH, or indirectly via **su** or **sudo**). This should only be used for e.g. bootable

live systems. Note: this is different from setting an empty password, which can be achieved using **users.users.<name?>.password**.

If set to 'null' (default) this user will not be able to log in using a password (i.e. via **login** command).

Type: null or (string, not containing newlines or colons)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

users.extraUsers.<name>.initialPassword

Specifies the initial password for the user, i.e. the password assigned if the user does not already exist. If **users.mutableUsers** is true, the password can be changed subsequently using the **passwd** command. Otherwise, it's equivalent to setting the **password** option. The same caveat applies: the password specified here is world−readable in the Nix store, so it should only be used for guest accounts or passwords that will be changed promptly.

The **initialHashedPassword**, **hashedPassword**, **initialPassword**, **password** and **hashedPasswordFile** options all control what password is set for the user.

In a system where **systemd.sysusers.enable** is 'false', typically only one of **hashedPassword**, **password**, or **hashedPasswordFile** will be set.

In a system where **systemd.sysusers.enable** or **services.userborn.enable** is 'true', typically only one of **initialPassword**, **initialHashedPassword**, or **hashedPasswordFile** will be set.

If the option **users.mutableUsers** is true, the password defined in one of the above password options will only be set when the user is created for the first time. After that, you are free to change the password with the ordinary user management commands. If **users.mutableUsers** is false, you cannot change user passwords, they will always be set according to the password options.

If none of the password options are set, then no password is assigned to the user, and the user will not be able to do password−based logins.

If multiple of these password options are set at the same time then a specific order of precedence is followed, which can lead to surprising results. The order of precedence differs depending on whether the **users.mutableUsers** option is set.

If the option **users.mutableUsers** is 'false', then the order of precedence is as shown below, where values on the left are overridden by values on the right: **initialHashedPassword** −> **hashedPassword** −> **initialPassword** −> **password** −> **hashedPasswordFile**

If the option **users.mutableUsers** is 'true', then the order of precedence is as shown below, where values on the left are overridden by values on the right: **initialHashedPassword** −> **initialPassword** −> **hashedPassword** −> **password** −> **hashedPasswordFile**

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

users.extraUsers.<name>.isNormalUser

Indicates whether this is an account for a “real” user. This automatically sets **group** to ‘users’, **createHome** to ‘true’, **home** to */home/«username»*, **useDefaultShell** to ‘true’, and **isSystemUser** to ‘false’. Exactly one of ‘isNormalUser’ and ‘isSystemUser’ must be true.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/config/users−groups.nix>

users.extraUsers.<name>.isSystemUser

Indicates if the user is a system user or not. This option only has an effect if **uid** is **null**, in which case it determines whether the user’s UID is allocated in the range for system users (below 1000) or in the range for normal users (starting at 1000). Exactly one of ‘isNormalUser’ and ‘isSystemUser’ must be true.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/config/users−groups.nix>

users.extraUsers.<name>.linger

Whether to enable or disable lingering for this user. Without lingering, user units will not be started until the user logs in, and may be stopped on logout depending on the settings in *logind.conf*.

By default, NixOS will not manage lingering, new users will default to not lingering, and lingering can be configured imperatively using ‘loginctl enable−linger’ or ‘loginctl disable−linger’. Setting this option to ‘true’ or ‘false’ is the declarative equivalent of running ‘loginctl enable−linger’ or ‘loginctl disable−linger’ respectively.

Type: null or boolean

Default:

```
null
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/config/users−groups.nix>

users.extraUsers.<name>.name

The name of the user account. If undefined, the name of the attribute set will be used.

Type: string, not containing newlines or colons

Declared by:

<nixpkgs/nixos/modules/config/users−groups.nix>

users.extraUsers.<name>.openssh.authorizedKeys.keyFiles

A list of files each containing one OpenSSH public key that should be added to the user’s authorized keys. The contents of the files are read at build time and added to a file that the SSH daemon reads in addition to the the user’s authorized_keys file. You can combine the ‘keyFiles’ and ‘keys’ options.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

users.extraUsers.<name>.openssh.authorizedKeys.keys

A list of verbatim OpenSSH public keys that should be added to the user's authorized keys. The keys are added to a file that the SSH daemon reads in addition to the the user's authorized_keys file. You can combine the 'keys' and 'keyFiles' options. Warning: If you are using 'NixOps' then don't use this option since it will replace the key required for deployment via ssh.

Type: list of (optionally newline−terminated) single−line string

Default:

```
[ ]
```

Example:

```
[
  "ssh-rsa AAAAB3NzaC1yc2etc/etc/etcjwrsh8e596z6J0l7 example@host"
  "ssh-ed25519 AAAAC3NzaCetcetera/etceteraJZMfk3QPfQ foo@bar"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

users.extraUsers.<name>.openssh.authorizedPrincipals

A list of verbatim principal names that should be added to the user's authorized principals.

Type: list of (optionally newline−terminated) single−line string

Default:

```
[ ]
```

Example:

```
[
  "example@host"
  "foo@bar"
]
```

Declared by:

<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

users.extraUsers.<name>.pamMount

Attributes for user's entry in *pam_mount.conf.xml*. Useful attributes might include 'path', 'options', 'fstype', and 'server'. See **https://pam−mount.sourceforge.net/pam_mount.conf.5.html** for more information.

Type: attribute set of string

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/config/users−groups.nix>

users.extraUsers.<name>.password

Specifies the (clear text) password for the user. Warning: do not set confidential information here because it is world−readable in the Nix store. This option should only be used for public accounts.

The **initialHashedPassword**, **hashedPassword**, **initialPassword**, **password** and **hashedPasswordFile** options all control what password is set for the user.

In a system where **systemd.sysusers.enable** is ‘false’, typically only one of **hashedPassword**, **password**, or **hashedPasswordFile** will be set.

In a system where **systemd.sysusers.enable** or **services.userborn.enable** is ‘true’, typically only one of **initialPassword**, **initialHashedPassword**, or **hashedPasswordFile** will be set.

If the option **users.mutableUsers** is true, the password defined in one of the above password options will only be set when the user is created for the first time. After that, you are free to change the password with the ordinary user management commands. If **users.mutableUsers** is false, you cannot change user passwords, they will always be set according to the password options.

If none of the password options are set, then no password is assigned to the user, and the user will not be able to do password−based logins.

If multiple of these password options are set at the same time then a specific order of precedence is followed, which can lead to surprising results. The order of precedence differs depending on whether the **users.mutableUsers** option is set.

If the option **users.mutableUsers** is ‘false’, then the order of precedence is as shown below, where values on the left are overridden by values on the right: **initialHashedPassword** −> **hashedPassword** −> **initialPassword** −> **password** −> **hashedPasswordFile**

If the option **users.mutableUsers** is ‘true’, then the order of precedence is as shown below, where values on the left are overridden by values on the right: **initialHashedPassword** −> **initialPassword** −> **hashedPassword** −> **password** −> **hashedPasswordFile**

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/config/users−groups.nix>

users.extraUsers.<name>.shell

The path to the user’s shell. Can use shell derivations, like ‘pkgs.bashInteractive’. Don’t forget to enable your shell in ‘programs’ if necessary, like ‘programs.zsh.enable = true;’.

Type: null or package or (absolute path, not containing newlines or colons)

Default:

```
pkgs.shadow
```

Example:

```
pkgs.bashInteractive
```

Declared by:

<nixpkgs/nixos/modules/config/users−groups.nix>

users.extraUsers.<name>.subGidRanges

Subordinate group ids that user is allowed to use. They are set into */etc/subgid* and are used by ‘newgidmap’ for user namespaces.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    count = 1;
```

```
    startGid = 100;
  }
  {
    count = 999;
    startGid = 1001;
  }
]
```

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

users.extraUsers.<name>.subGidRanges.*.count
Count of subordinate group ids

Type: signed integer

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

users.extraUsers.<name>.subGidRanges.*.startGid
Start of the range of subordinate group ids that user is allowed to use.

Type: signed integer

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

users.extraUsers.<name>.subUidRanges
Subordinate user ids that user is allowed to use. They are set into */etc/subuid* and are used by ‘newuidmap’ for user namespaces.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    count = 1;
    startUid = 1000;
  }
  {
    count = 65534;
    startUid = 100001;
  }
]
```

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

users.extraUsers.<name>.subUidRanges.*.count
Count of subordinate user ids

Type: signed integer

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

users.extraUsers.<name>.subUidRanges.*.startUid
Start of the range of subordinate user ids that user is allowed to use.

Type: signed integer

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

users.extraUsers.<name>.uid
The account UID. If the UID is null, a free UID is picked on activation.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

users.extraUsers.<name>.useDefaultShell
If true, the user's shell will be set to **users.defaultUserShell**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

users.groups
Additional groups to be created automatically by the system.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  hackers = { };
  students = {
    gid = 1001;
  };
}
```

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

users.groups.<name>.gid
The group GID. If the GID is null, a free GID is picked on activation.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

users.groups.<name>.members
The user names of the group members, added to the ‘/etc/group’ file.

Type: list of (string, not containing newlines or colons)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

users.groups.<name>.name
The name of the group. If undefined, the name of the attribute set will be used.

Type: string, not containing newlines or colons

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

users.ldap.enable
Whether to enable authentication against an LDAP server.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/config/ldap.nix>

users.ldap.base
The distinguished name of the search base.

Type: string

Example:

```
"dc=example,dc=org"
```

Declared by:
<nixpkgs/nixos/modules/config/ldap.nix>

users.ldap.bind.distinguishedName
The distinguished name to bind to the LDAP server with. If this is not specified, an anonymous bind will be done.

Type: string

Default:

```
""
```

Example:

```
"cn=admin,dc=example,dc=com"
```

Declared by:
<nixpkgs/nixos/modules/config/ldap.nix>

users.ldap.bind.passwordFile

The path to a file containing the credentials to use when binding to the LDAP server (if not binding anonymously).

Type: string

Default:

```
"/etc/ldap/bind.password"
```

Declared by:

<nixpkgs/nixos/modules/config/ldap.nix>

users.ldap.bind.policy

Specifies the policy to use for reconnecting to an unavailable LDAP server. The default is ‘hard_open’, which reconnects if opening the connection to the directory server failed. By contrast, ‘hard_init’ reconnects if initializing the connection failed. Initializing may not actually contact the directory server, and it is possible that a malformed configuration file will trigger reconnection. If ‘soft’ is specified, then ‘nss_ldap’ will return immediately on server failure. All hard reconnect policies block with exponential backoff before retrying.

Type: one of “hard_open”, “hard_init”, “soft”

Default:

```
"hard_open"
```

Declared by:

<nixpkgs/nixos/modules/config/ldap.nix>

users.ldap.bind.timeLimit

Specifies the time limit (in seconds) to use when connecting to the directory server. This is distinct from the time limit specified in **users.ldap.timeLimit** and affects the initial server connection only.

Type: signed integer

Default:

```
30
```

Declared by:

<nixpkgs/nixos/modules/config/ldap.nix>

users.ldap.daemon.enable

Whether to let the nslcd daemon (nss−pam−ldapd) handle the LDAP lookups for NSS and PAM. This can improve performance, and if you need to bind to the LDAP server with a password, it increases security, since only the nslcd user needs to have access to the bindpw file, not everyone that uses NSS and/or PAM. If this option is enabled, a local nscd user is created automatically, and the nslcd service is started automatically when the network get up.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/config/ldap.nix>

users.ldap.daemon.extraConfig

Extra configuration options that will be added verbatim at the end of the nslcd configuration file (**nslcd.conf**(5)).

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/config/ldap.nix>

users.ldap.daemon.rootpwmoddn
The distinguished name to use to bind to the LDAP server when the root user tries to modify a user's password.

Type: string

Default:

```
""
```

Example:

```
"cn=admin,dc=example,dc=com"
```

Declared by:
<nixpkgs/nixos/modules/config/ldap.nix>

users.ldap.daemon.rootpwmodpwFile
The path to a file containing the credentials with which to bind to the LDAP server if the root user tries to change a user's password.

Type: string

Default:

```
""
```

Example:

```
"/run/keys/nslcd.rootpwmodpw"
```

Declared by:
<nixpkgs/nixos/modules/config/ldap.nix>

users.ldap.extraConfig
Extra configuration options that will be added verbatim at the end of the ldap configuration file (**ldap.conf**(5)). If **users.ldap.daemon** is enabled, this configuration will not be used. In that case, use **users.ldap.daemon.extraConfig** instead.

Type: strings concatenated with "\n"

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/config/ldap.nix>

users.ldap.loginPam
Whether to include authentication against LDAP in login PAM.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/config/ldap.nix>

users.ldap.nsswitch
Whether to include lookup against LDAP in NSS.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/config/ldap.nix>

users.ldap.server
The URL of the LDAP server.

Type: string

Example:

```
"ldap://ldap.example.org/"
```

Declared by:
<nixpkgs/nixos/modules/config/ldap.nix>

users.ldap.timeLimit
Specifies the time limit (in seconds) to use when performing searches. A value of zero (0), which is the default, is to wait indefinitely for searches to be completed.

Type: signed integer

Default:

Declared by:
<nixpkgs/nixos/modules/config/ldap.nix>

users.ldap.useTLS
If enabled, use TLS (encryption) over an LDAP (port 389) connection. The alternative is to specify an LDAPS server (port 636) in **users.ldap.server** or to forego security.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/config/ldap.nix>

users.manageLingering
Whether to manage whether users linger or not.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

users.motd

Message of the day shown to users when they log in.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
"Today is Sweetmorn, the 4th day of The Aftermath in the YOLD 3178. \
"
```

Declared by:

<nixpkgs/nixos/modules/security/pam.nix>

users.motdFile

A file containing the message of the day shown to users when they log in.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/etc/motd"
```

Declared by:

<nixpkgs/nixos/modules/security/pam.nix>

users.mutableUsers

If set to ‘true’, you are free to add new users and groups to the system with the ordinary ‘useradd’ and ‘groupadd’ commands. On system activation, the existing contents of the ‘/etc/passwd’ and ‘/etc/group’ files will be merged with the contents generated from the ‘users.users’ and ‘users.groups’ options. The initial password for a user will be set according to ‘users.users’, but existing passwords will not be changed.

Warning
If set to ‘false’, the contents of the user and group files will simply be replaced on system activation. This also holds for the user passwords; all changed passwords will be reset according to the ‘users.users’ configuration on activation.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/config/users−groups.nix>

users.mysql.enable

Whether to enable authentication against a MySQL/MariaDB database.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/config/mysql.nix>

users.mysql.database
The name of the database containing the users

Type: string

Example:

```
"auth"
```

Declared by:
<nixpkgs/nixos/modules/config/mysql.nix>

users.mysql.host
The hostname of the MySQL/MariaDB server

Type: string

Example:

```
"localhost"
```

Declared by:
<nixpkgs/nixos/modules/config/mysql.nix>

users.mysql.nss
Settings for ‘libnss−mysql’.

All examples are from the **minimal example** of ‘libnss−mysql’, but they are modified with NixOS paths for bash.

Type: submodule

Declared by:
<nixpkgs/nixos/modules/config/mysql.nix>

users.mysql.nss.getgrent
SQL query for the **getgrent** syscall.

Type: null or string

Default:

```
null
```

Example:

```
SELECT name,password,gid FROM groups
```

Declared by:
<nixpkgs/nixos/modules/config/mysql.nix>

users.mysql.nss.getgrgid
SQL query for the **getgrgid** syscall.

Type: null or string

Default:

```
null
```

Example:

```
SELECT name,password,gid FROM groups WHERE gid='%1$u' LIMIT 1
```

Declared by:
<nixpkgs/nixos/modules/config/mysql.nix>

users.mysql.nss.getgrnam
SQL query for the **getgrnam** syscall.

Type: null or string

Default:

```
null
```

Example:

```
SELECT name,password,gid FROM groups WHERE name='%1$s' LIMIT 1
```

Declared by:
<nixpkgs/nixos/modules/config/mysql.nix>

users.mysql.nss.getpwent
SQL query for the **getpwent** syscall.

Type: null or string

Default:

```
null
```

Example:

```
SELECT username,'x',uid,'5000','MySQL User', CONCAT('/home/',userna \
me),'/run/sw/current-system/bin/bash' FROM users
```

Declared by:
<nixpkgs/nixos/modules/config/mysql.nix>

users.mysql.nss.getpwnam
SQL query for the **getpwnam** syscall.

Type: null or string

Default:

```
null
```

Example:

```
SELECT username,'x',uid,'5000','MySQL User', CONCAT('/home/',userna \
me),'/run/sw/current-system/bin/bash' \
FROM users \
WHERE username='%1$s' \
LIMIT 1
```

Declared by:
<nixpkgs/nixos/modules/config/mysql.nix>

users.mysql.nss.getpwuid
SQL query for the **getpwuid** syscall.

Type: null or string

Default:

```
null
```

Example:

```
SELECT username,'x',uid,'5000','MySQL User', CONCAT('/home/',userna \
me),'/run/sw/current-system/bin/bash' \
```

```
FROM users \
WHERE uid='%1$u' \
LIMIT 1
```

Declared by:
<nixpkgs/nixos/modules/config/mysql.nix>

users.mysql.nss.getspent
SQL query for the **getspent** syscall.

Type: null or string

Default:

```
null
```

Example:

```
SELECT username,password,'1','0','99999','0','0','-1','0' FROM use \
rs
```

Declared by:
<nixpkgs/nixos/modules/config/mysql.nix>

users.mysql.nss.getspnam
SQL query for the **getspnam** syscall.

Type: null or string

Default:

```
null
```

Example:

```
SELECT username,password,'1','0','99999','0','0','-1','0' \
FROM users \
WHERE username='%1$s' \
LIMIT 1
```

Declared by:
<nixpkgs/nixos/modules/config/mysql.nix>

users.mysql.nss.gidsbymem
SQL query for the **gidsbymem** syscall.

Type: null or string

Default:

```
null
```

Example:

```
SELECT gid FROM grouplist WHERE username='%1$s'
```

Declared by:
<nixpkgs/nixos/modules/config/mysql.nix>

users.mysql.nss.memsbygid
SQL query for the **memsbygid** syscall.

Type: null or string

Default:

```
null
```

Example:

```
SELECT username FROM grouplist WHERE gid='%1$u'
```

Declared by:
<nixpkgs/nixos/modules/config/mysql.nix>

users.mysql.pam
Settings for 'pam_mysql'

Type: submodule

Declared by:
<nixpkgs/nixos/modules/config/mysql.nix>

users.mysql.pam.cryptDefault
The default encryption method to use for 'passwordCrypt = 1'.

Type: null or one of "md5", "sha256", "sha512", "blowfish"

Default:

```
null
```

Example:

```
"blowfish"
```

Declared by:
<nixpkgs/nixos/modules/config/mysql.nix>

users.mysql.pam.disconnectEveryOperation
By default, 'pam_mysql' keeps the connection to the MySQL database until the session is closed. If this option is set to true it disconnects every time the PAM operation has finished. This option may be useful in case the session lasts quite long.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/config/mysql.nix>

users.mysql.pam.logging.enable
Enables logging of authentication attempts in the MySQL database.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/config/mysql.nix>

users.mysql.pam.logging.hostColumn
The name of the column in the log table to which the name of the user being authenticated is stored.

Type: string

Example:

```
"host"
```

Declared by:
<nixpkgs/nixos/modules/config/mysql.nix>

users.mysql.pam.logging.msgColumn

The name of the column in the log table to which the description of the performed operation is stored.

Type: string

Example:

```
"msg"
```

Declared by:

<nixpkgs/nixos/modules/config/mysql.nix>

users.mysql.pam.logging.pidColumn

The name of the column in the log table to which the pid of the process utilising the 'pam_mysql' authentication service is stored.

Type: string

Example:

```
"pid"
```

Declared by:

<nixpkgs/nixos/modules/config/mysql.nix>

users.mysql.pam.logging.rHostColumn

The name of the column in the log table to which the name of the remote host that initiates the session is stored. The value is supposed to be set by the PAM−aware application with 'pam_set_item(PAM_RHOST)'.

Type: string

Example:

```
"rhost"
```

Declared by:

<nixpkgs/nixos/modules/config/mysql.nix>

users.mysql.pam.logging.table

The name of the table to which logs are written.

Type: string

Example:

```
"logs"
```

Declared by:

<nixpkgs/nixos/modules/config/mysql.nix>

users.mysql.pam.logging.timeColumn

The name of the column in the log table to which the timestamp of the log entry is stored.

Type: string

Example:

```
"timestamp"
```

Declared by:

<nixpkgs/nixos/modules/config/mysql.nix>

users.mysql.pam.logging.userColumn

The name of the column in the log table to which the name of the user being authenticated is stored.

Type: string

Example:

```
"user"
```

Declared by:

<nixpkgs/nixos/modules/config/mysql.nix>

users.mysql.pam.passwordColumn

The name of the column that contains a (encrypted) password string.

Type: string

Example:

```
"password"
```

Declared by:

<nixpkgs/nixos/modules/config/mysql.nix>

users.mysql.pam.passwordCrypt

The method to encrypt the user's password:

- '0' (or '"plain"'): No encryption. Passwords are stored in plaintext. HIGHLY DISCOURAGED.
- '1' (or '"Y"'): Use **crypt**(3) function.
- '2' (or '"mysql"'): Use the MySQL PASSWORD() function. It is possible that the encryption function used by 'pam_mysql' is different from that of the MySQL server, as 'pam_mysql' uses the function defined in MySQL's C−client API instead of using PASSWORD() SQL function in the query.
- '3' (or '"md5"'): Use plain hex MD5.
- '4' (or '"sha1"'): Use plain hex SHA1.
- '5' (or '"drupal7"'): Use Drupal7 salted passwords.
- '6' (or '"joomla15"'): Use Joomla15 salted passwords.
- '7' (or '"ssha"'): Use ssha hashed passwords.
- '8' (or '"sha512"'): Use sha512 hashed passwords.
- '9' (or '"sha256"'): Use sha256 hashed passwords.

Type: one of "0", "plain", "1", "Y", "2", "mysql", "3", "md5", "4", "sha1", "5", "drupal7", "6", "joomla15", "7", "ssha", "8", "sha512", "9", "sha256"

Example:

```
"2"
```

Declared by:

<nixpkgs/nixos/modules/config/mysql.nix>

users.mysql.pam.statusColumn

The name of the column or an SQL expression that indicates the status of the user. The status is expressed by the combination of two bitfields shown below:

- 'bit 0 (0x01)': if flagged, 'pam_mysql' deems the account to be expired and returns 'PAM_ACCT_EXPIRED'. That is, the account is supposed to no longer be available. Note this doesn't mean that 'pam_mysql' rejects further authentication operations.
- 'bit 1 (0x02)': if flagged, 'pam_mysql' deems the authentication token (password) to be expired and returns 'PAM_NEW_AUTHTOK_REQD'. This ends up requiring that the user enter a new password.

Type: null or string

Default:

```
null
```

Example:

```
"status"
```

Declared by:
<nixpkgs/nixos/modules/config/mysql.nix>

users.mysql.pam.table
The name of table that maps unique login names to the passwords.

Type: string

Example:

```
"users"
```

Declared by:
<nixpkgs/nixos/modules/config/mysql.nix>

users.mysql.pam.updateTable
The name of the table used for password alteration. If not defined, the value of the ‘table’ option will be used instead.

Type: null or string

Default:

```
null
```

Example:

```
"users_updates"
```

Declared by:
<nixpkgs/nixos/modules/config/mysql.nix>

users.mysql.pam.userColumn
The name of the column that contains a unix login name.

Type: string

Example:

```
"username"
```

Declared by:
<nixpkgs/nixos/modules/config/mysql.nix>

users.mysql.pam.verbose
If enabled, produces logs with detailed messages that describes what ‘pam_mysql’ is doing. May be useful for debugging.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/config/mysql.nix>

users.mysql.pam.where
Additional criteria for the query.

Type: null or string

Default:

```
null
```

Example:

```
"host.name='web' AND user.active=1"
```

Declared by:
<nixpkgs/nixos/modules/config/mysql.nix>

users.mysql.passwordFile
The path to the file containing the password for the user

Type: absolute path

Example:

```
"/run/secrets/mysql-auth-db-passwd"
```

Declared by:
<nixpkgs/nixos/modules/config/mysql.nix>

users.mysql.user
The username to use when connecting to the database

Type: string

Example:

```
"nss-user"
```

Declared by:
<nixpkgs/nixos/modules/config/mysql.nix>

users.users
Additional user accounts to be created automatically by the system. This can also be used to set options for root.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  alice = {
    createHome = true;
    description = "Alice Q. User";
    extraGroups = [
      "wheel"
    ];
    group = "users";
    home = "/home/alice";
    shell = "/bin/sh";
    uid = 1234;
  };
}
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>
<nixpkgs/nixos/modules/config/users-groups.nix>

users.users.<name>.enable

If set to false, the user account will not be created. This is useful for when you wish to conditionally disable user accounts.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:

<nixpkgs/nixos/modules/config/users−groups.nix>

users.users.<name>.packages

The set of packages that should be made available to the user. This is in contrast to **environment.systemPackages**, which adds packages to all users.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.firefox pkgs.thunderbird ]
```

Declared by:

<nixpkgs/nixos/modules/config/users−groups.nix>

users.users.<name>.autoSubUidGidRange

Automatically allocate subordinate user and group ids for this user. Allocated range is currently always of size 65536.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/config/users−groups.nix>

users.users.<name>.createHome

Whether to create the home directory and ensure ownership as well as permissions to match the user.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/config/users−groups.nix>

users.users.<name>.cryptHomeLuks

Path to encrypted luks device that contains the user's home directory.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/config/users-groups.nix>

users.users.<name>.description
A short description of the user account, typically the user's full name. This is actually the "GECOS" or "comment" field in */etc/passwd*.

Type: string, not containing newlines or colons

Default:

```
""
```

Example:

```
"Alice Q. User"
```

Declared by:
<nixpkgs/nixos/modules/config/users-groups.nix>

users.users.<name>.expires
Set the date on which the user's account will no longer be accessible. The date is expressed in the format YYYY-MM-DD, or null to disable the expiry. A user whose account is locked must contact the system administrator before being able to use the system again.

Type: null or string matching the pattern [[:digit:]]{4}-[[:digit:]]{2}-[[:digit:]]{2}

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/config/users-groups.nix>

users.users.<name>.extraGroups
The user's auxiliary groups.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/config/users-groups.nix>

users.users.<name>.group
The user's primary group.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/config/users-groups.nix>

users.users.<name>.hashedPassword
Specifies the hashed password for the user.

The **initialHashedPassword**, **hashedPassword**, **initialPassword**, **password** and **hashedPasswordFile** options all control what password is set for the user.

In a system where **systemd.sysusers.enable** is 'false', typically only one of **hashedPassword**, **password**, or **hashedPasswordFile** will be set.

In a system where **systemd.sysusers.enable** or **services.userborn.enable** is ‘true’, typically only one of **initialPassword**, **initialHashedPassword**, or **hashedPasswordFile** will be set.

If the option **users.mutableUsers** is true, the password defined in one of the above password options will only be set when the user is created for the first time. After that, you are free to change the password with the ordinary user management commands. If **users.mutableUsers** is false, you cannot change user passwords, they will always be set according to the password options.

If none of the password options are set, then no password is assigned to the user, and the user will not be able to do password−based logins.

If multiple of these password options are set at the same time then a specific order of precedence is followed, which can lead to surprising results. The order of precedence differs depending on whether the **users.mutableUsers** option is set.

If the option **users.mutableUsers** is ‘false’, then the order of precedence is as shown below, where values on the left are overridden by values on the right: **initialHashedPassword** −> **hashedPassword** −> **initialPassword** −> **password** −> **hashedPasswordFile**

If the option **users.mutableUsers** is ‘true’, then the order of precedence is as shown below, where values on the left are overridden by values on the right: **initialHashedPassword** −> **initialPassword** −> **hashedPassword** −> **password** −> **hashedPasswordFile**

To generate a hashed password run ‘mkpasswd’.

If set to an empty string (‘""’), this user will be able to log in without being asked for a password (but not via remote services such as SSH, or indirectly via **su** or **sudo**). This should only be used for e.g. bootable live systems. Note: this is different from setting an empty password, which can be achieved using **users.users.<name?>.password**.

If set to ‘null’ (default) this user will not be able to log in using a password (i.e. via **login** command).

Type: null or (string, not containing newlines or colons)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/config/users−groups.nix>

users.users.<name>.hashedPasswordFile

The full path to a file that contains the hash of the user’s password. The password file is read on each system activation. The file should contain exactly one line, the salted password hash produced by ‘mkpasswd’.

The **initialHashedPassword**, **hashedPassword**, **initialPassword**, **password** and **hashedPasswordFile** options all control what password is set for the user.

In a system where **systemd.sysusers.enable** is ‘false’, typically only one of **hashedPassword**, **password**, or **hashedPasswordFile** will be set.

In a system where **systemd.sysusers.enable** or **services.userborn.enable** is ‘true’, typically only one of **initialPassword**, **initialHashedPassword**, or **hashedPasswordFile** will be set.

If the option **users.mutableUsers** is true, the password defined in one of the above password options will only be set when the user is created for the first time. After that, you are free to change the password with the ordinary user management commands. If **users.mutableUsers** is false, you cannot change user passwords, they will always be set according to the password options.

If none of the password options are set, then no password is assigned to the user, and the user will not be able to do password−based logins.

If multiple of these password options are set at the same time then a specific order of precedence is

followed, which can lead to surprising results. The order of precedence differs depending on whether the **users.mutableUsers** option is set.

If the option **users.mutableUsers** is ‘false’, then the order of precedence is as shown below, where values on the left are overridden by values on the right: **initialHashedPassword** −> **hashedPassword** −> **initialPassword** −> **password** −> **hashedPasswordFile**

If the option **users.mutableUsers** is ‘true’, then the order of precedence is as shown below, where values on the left are overridden by values on the right: **initialHashedPassword** −> **initialPassword** −> **hashedPassword** −> **password** −> **hashedPasswordFile**

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

users.users.<name>.home
The user’s home directory.

Type: absolute path, not containing newlines or colons

Default:

```
"/var/empty"
```

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

users.users.<name>.homeMode
The user’s home directory mode in numeric format. See **chmod**(1). The mode is only applied if **users.users.<name>.createHome** is true.

Type: string matching the pattern [0−7]{1,5}

Default:

```
"700"
```

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

users.users.<name>.ignoreShellProgramCheck
By default, nixos will check that programs.SHELL.enable is set to true if the user has a custom shell specified. If that behavior isn’t required and there are custom overrides in place to make sure that the shell is functional, set this to true.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

users.users.<name>.initialHashedPassword
Specifies the initial hashed password for the user, i.e. the hashed password assigned if the user does not already exist. If **users.mutableUsers** is true, the password can be changed subsequently using the **passwd** command. Otherwise, it’s equivalent to setting the **hashedPassword** option.

The **initialHashedPassword**, **hashedPassword**, **initialPassword**, **password** and **hashedPasswordFile** options all control what password is set for the user.

In a system where **systemd.sysusers.enable** is ‘false’, typically only one of **hashedPassword**, **password**, or **hashedPasswordFile** will be set.

In a system where **systemd.sysusers.enable** or **services.userborn.enable** is ‘true’, typically only one of **initialPassword**, **initialHashedPassword**, or **hashedPasswordFile** will be set.

If the option **users.mutableUsers** is true, the password defined in one of the above password options will only be set when the user is created for the first time. After that, you are free to change the password with the ordinary user management commands. If **users.mutableUsers** is false, you cannot change user passwords, they will always be set according to the password options.

If none of the password options are set, then no password is assigned to the user, and the user will not be able to do password−based logins.

If multiple of these password options are set at the same time then a specific order of precedence is followed, which can lead to surprising results. The order of precedence differs depending on whether the **users.mutableUsers** option is set.

If the option **users.mutableUsers** is ‘false’, then the order of precedence is as shown below, where values on the left are overridden by values on the right: **initialHashedPassword** −> **hashedPassword** −> **initialPassword** −> **password** −> **hashedPasswordFile**

If the option **users.mutableUsers** is ‘true’, then the order of precedence is as shown below, where values on the left are overridden by values on the right: **initialHashedPassword** −> **initialPassword** −> **hashedPassword** −> **password** −> **hashedPasswordFile**

To generate a hashed password run ‘mkpasswd’.

If set to an empty string (‘""’), this user will be able to log in without being asked for a password (but not via remote services such as SSH, or indirectly via **su** or **sudo**). This should only be used for e.g. bootable live systems. Note: this is different from setting an empty password, which can be achieved using **users.users.<name?>.password**.

If set to ‘null’ (default) this user will not be able to log in using a password (i.e. via **login** command).

Type: null or (string, not containing newlines or colons)

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/config/users−groups.nix>

users.users.<name>.initialPassword

Specifies the initial password for the user, i.e. the password assigned if the user does not already exist. If **users.mutableUsers** is true, the password can be changed subsequently using the **passwd** command. Otherwise, it’s equivalent to setting the **password** option. The same caveat applies: the password specified here is world−readable in the Nix store, so it should only be used for guest accounts or passwords that will be changed promptly.

The **initialHashedPassword**, **hashedPassword**, **initialPassword**, **password** and **hashedPasswordFile** options all control what password is set for the user.

In a system where **systemd.sysusers.enable** is ‘false’, typically only one of **hashedPassword**, **password**, or **hashedPasswordFile** will be set.

In a system where **systemd.sysusers.enable** or **services.userborn.enable** is ‘true’, typically only one of **initialPassword**, **initialHashedPassword**, or **hashedPasswordFile** will be set.

If the option **users.mutableUsers** is true, the password defined in one of the above password options will only be set when the user is created for the first time. After that, you are free to change the password with the ordinary user management commands. If **users.mutableUsers** is false, you cannot change user passwords, they will always be set according to the password options.

If none of the password options are set, then no password is assigned to the user, and the user will not be able to do password−based logins.

If multiple of these password options are set at the same time then a specific order of precedence is followed, which can lead to surprising results. The order of precedence differs depending on whether the **users.mutableUsers** option is set.

If the option **users.mutableUsers** is ‘false’, then the order of precedence is as shown below, where values on the left are overridden by values on the right: **initialHashedPassword** −> **hashedPassword** −> **initialPassword** −> **password** −> **hashedPasswordFile**

If the option **users.mutableUsers** is ‘true’, then the order of precedence is as shown below, where values on the left are overridden by values on the right: **initialHashedPassword** −> **initialPassword** −> **hashedPassword** −> **password** −> **hashedPasswordFile**

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

users.users.<name>.isNormalUser

Indicates whether this is an account for a “real” user. This automatically sets **group** to ‘users’, **createHome** to ‘true’, **home** to */home/«username»*, **useDefaultShell** to ‘true’, and **isSystemUser** to ‘false’. Exactly one of ‘isNormalUser’ and ‘isSystemUser’ must be true.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

users.users.<name>.isSystemUser

Indicates if the user is a system user or not. This option only has an effect if **uid** is **null**, in which case it determines whether the user’s UID is allocated in the range for system users (below 1000) or in the range for normal users (starting at 1000). Exactly one of ‘isNormalUser’ and ‘isSystemUser’ must be true.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

users.users.<name>.linger

Whether to enable or disable lingering for this user. Without lingering, user units will not be started until the user logs in, and may be stopped on logout depending on the settings in *logind.conf*.

By default, NixOS will not manage lingering, new users will default to not lingering, and lingering can be configured imperatively using ‘loginctl enable−linger’ or ‘loginctl disable−linger’. Setting this option to ‘true’ or ‘false’ is the declarative equivalent of running ‘loginctl enable−linger’ or ‘loginctl disable−linger’ respectively.

Type: null or boolean

Default:

```
null
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

users.users.<name>.name
The name of the user account. If undefined, the name of the attribute set will be used.

Type: string, not containing newlines or colons

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

users.users.<name>.openssh.authorizedKeys.keyFiles
A list of files each containing one OpenSSH public key that should be added to the user's authorized keys. The contents of the files are read at build time and added to a file that the SSH daemon reads in addition to the the user's authorized_keys file. You can combine the 'keyFiles' and 'keys' options.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

users.users.<name>.openssh.authorizedKeys.keys
A list of verbatim OpenSSH public keys that should be added to the user's authorized keys. The keys are added to a file that the SSH daemon reads in addition to the the user's authorized_keys file. You can combine the 'keys' and 'keyFiles' options. Warning: If you are using 'NixOps' then don't use this option since it will replace the key required for deployment via ssh.

Type: list of (optionally newline−terminated) single−line string

Default:

```
[ ]
```

Example:

```
[
  "ssh−rsa AAAAB3NzaC1yc2etc/etc/etcjwrsh8e596z6J0l7 example@host"
  "ssh−ed25519 AAAAC3NzaCetcetera/etceteraJZMfk3QPfQ foo@bar"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

users.users.<name>.openssh.authorizedPrincipals
A list of verbatim principal names that should be added to the user's authorized principals.

Type: list of (optionally newline−terminated) single−line string

Default:

```
[ ]
```

Example:

```
[
  "example@host"
  "foo@bar"
]
```

Declared by:
<nixpkgs/nixos/modules/services/networking/ssh/sshd.nix>

users.users.<name>.pamMount
Attributes for user's entry in *pam_mount.conf.xml*. Useful attributes might include 'path', 'options', 'fstype', and 'server'. See **https://pam−mount.sourceforge.net/pam_mount.conf.5.html** for more information.

Type: attribute set of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

users.users.<name>.password
Specifies the (clear text) password for the user. Warning: do not set confidential information here because it is world−readable in the Nix store. This option should only be used for public accounts.

The **initialHashedPassword**, **hashedPassword**, **initialPassword**, **password** and **hashedPasswordFile** options all control what password is set for the user.

In a system where **systemd.sysusers.enable** is 'false', typically only one of **hashedPassword**, **password**, or **hashedPasswordFile** will be set.

In a system where **systemd.sysusers.enable** or **services.userborn.enable** is 'true', typically only one of **initialPassword**, **initialHashedPassword**, or **hashedPasswordFile** will be set.

If the option **users.mutableUsers** is true, the password defined in one of the above password options will only be set when the user is created for the first time. After that, you are free to change the password with the ordinary user management commands. If **users.mutableUsers** is false, you cannot change user passwords, they will always be set according to the password options.

If none of the password options are set, then no password is assigned to the user, and the user will not be able to do password−based logins.

If multiple of these password options are set at the same time then a specific order of precedence is followed, which can lead to surprising results. The order of precedence differs depending on whether the **users.mutableUsers** option is set.

If the option **users.mutableUsers** is 'false', then the order of precedence is as shown below, where values on the left are overridden by values on the right: **initialHashedPassword** −> **hashedPassword** −> **initialPassword** −> **password** −> **hashedPasswordFile**

If the option **users.mutableUsers** is 'true', then the order of precedence is as shown below, where values on the left are overridden by values on the right: **initialHashedPassword** −> **initialPassword** −> **hashedPassword** −> **password** −> **hashedPasswordFile**

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/config/users−groups.nix>

users.users.<name>.shell

The path to the user's shell. Can use shell derivations, like 'pkgs.bashInteractive'. Don't forget to enable your shell in 'programs' if necessary, like 'programs.zsh.enable = true;'.

Type: null or package or (absolute path, not containing newlines or colons)

Default:

```
pkgs.shadow
```

Example:

```
pkgs.bashInteractive
```

Declared by:

<nixpkgs/nixos/modules/config/users−groups.nix>

users.users.<name>.subGidRanges

Subordinate group ids that user is allowed to use. They are set into */etc/subgid* and are used by 'newgidmap' for user namespaces.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    count = 1;
    startGid = 100;
  }
  {
    count = 999;
    startGid = 1001;
  }
]
```

Declared by:

<nixpkgs/nixos/modules/config/users−groups.nix>

users.users.<name>.subGidRanges.*.count

Count of subordinate group ids

Type: signed integer

Default:

```
1
```

Declared by:

<nixpkgs/nixos/modules/config/users−groups.nix>

users.users.<name>.subGidRanges.*.startGid

Start of the range of subordinate group ids that user is allowed to use.

Type: signed integer

Declared by:

<nixpkgs/nixos/modules/config/users−groups.nix>

users.users.<name>.subUidRanges

Subordinate user ids that user is allowed to use. They are set into */etc/subuid* and are used by ‘newuidmap’ for user namespaces.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[
  {
    count = 1;
    startUid = 1000;
  }
  {
    count = 65534;
    startUid = 100001;
  }
]
```

Declared by:

<nixpkgs/nixos/modules/config/users−groups.nix>

users.users.<name>.subUidRanges.*.count

Count of subordinate user ids

Type: signed integer

Default:

```
1
```

Declared by:

<nixpkgs/nixos/modules/config/users−groups.nix>

users.users.<name>.subUidRanges.*.startUid

Start of the range of subordinate user ids that user is allowed to use.

Type: signed integer

Declared by:

<nixpkgs/nixos/modules/config/users−groups.nix>

users.users.<name>.uid

The account UID. If the UID is null, a free UID is picked on activation.

Type: null or signed integer

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/config/users−groups.nix>

users.users.<name>.useDefaultShell

If true, the user’s shell will be set to **users.defaultUserShell**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/config/users-groups.nix>

virtualisation.additionalPaths
A list of paths whose closure should be made available to the VM.

When 9p is used, the closure is registered in the Nix database in the VM. All other paths in the host Nix store appear in the guest Nix store as well, but are considered garbage (because they are not registered in the Nix database of the guest).

When **virtualisation.useNixStoreImage** is set, the closure is copied to the Nix store image.

Type: list of absolute path

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu-vm.nix>

virtualisation.allInterfaces
All network interfaces for the container or VM. Combines **virtualisation.vlans** and **virtualisation.interfaces**.

Type: attribute set of (submodule) *(read only)*

Default:

```
{
  eth1 = {
    assignIP = true;
    name = "eth1";
    vlan = 1;
  };
}
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/guest-networking-options.nix>

virtualisation.allInterfaces.<name>.assignIP
Automatically assign an IP address to the network interface using the same scheme as virtualisation.vlans.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/guest-networking-options.nix>

virtualisation.allInterfaces.<name>.name
Interface name

Type: string

Default:

```
"‹name›"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/guest-networking-options.nix>

virtualisation.allInterfaces.<name>.vlan
VLAN to which the network interface is connected.

Type: unsigned integer, meaning >=0

Declared by:
<nixpkgs/nixos/modules/virtualisation/guest−networking−options.nix>

virtualisation.appvm.enable
This enables AppVMs and related virtualisation settings.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/appvm.nix>

virtualisation.appvm.user
AppVM user login. Currently only AppVMs are supported for a single user only.

Type: string

Declared by:
<nixpkgs/nixos/modules/virtualisation/appvm.nix>

virtualisation.bios
An alternate BIOS (such as ‘qboot’) with which to start the VM. Should contain a file named ‘bios.bin’. If ‘null’, QEMU’s builtin SeaBIOS will be used.

Type: null or package

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.bootLoaderDevice
The path (inside th VM) to the device to boot from when legacy booting.

Type: absolute path

Default:

```
/dev/disk/by−id/virtio−root
```

Example:

```
"/dev/disk/by−id/virtio−boot−loader−device"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.bootPartition
The path (inside the VM) to the device containing the EFI System Partition (ESP).

If you are *not* booting from a UEFI firmware, this value is, by default, ‘null’. The ESP is mounted to ‘boot.loader.efi.efiSysMountpoint’.

Type: null or absolute path

Default:

```
if cfg.useEFIBoot then "/dev/disk/by−label/ESP"
else if cfg.useBIOSBoot then "/dev/disk/by−label/BOOT"
```

```
else null
```

Example:

```
"/dev/disk/by-label/esp"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu-vm.nix>

virtualisation.containerd.enable
Whether to enable containerd container runtime.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/containerd.nix>

virtualisation.containerd.args
extra args to append to the containerd cmdline

Type: attribute set of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/containerd.nix>

virtualisation.containerd.configFile
Path to containerd config file. Setting this option will override any configuration applied by the settings option.

Type: null or absolute path

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/containerd.nix>

virtualisation.containerd.settings
Verbatim lines to add to containerd.toml

Type: TOML value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/containerd.nix>

virtualisation.containers.enable
This option enables the common /etc/containers configuration module.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/containers.nix>

virtualisation.containers.containersConf.cniPlugins
CNI plugins to install on the system.

Type: list of package

Default:

```
[
  pkgs.cni-plugins
]
```

Example:

```
[
  pkgs.cniPlugins.dnsname
]
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/containers.nix>

virtualisation.containers.containersConf.settings
containers.conf configuration

Type: TOML value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/containers.nix>

virtualisation.containers.ociSeccompBpfHook.enable
Enable the OCI seccomp BPF hook

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/containers.nix>

virtualisation.containers.policy
Signature verification policy file. If this option is empty the default policy file from ‘skopeo’ will be used.

Type: attribute set

Default:

```
{ }
```

Example:

```
{
  default = [ { type = "insecureAcceptAnything"; } ];
  transports = {
    docker-daemon = {
      "" = [ { type = "insecureAcceptAnything"; } ];
    };
  };
}
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/containers.nix>

virtualisation.containers.registries.block
List of blocked repositories.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/containers.nix>

virtualisation.containers.registries.insecure
List of insecure repositories.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/containers.nix>

virtualisation.containers.registries.search
List of repositories to search.

Type: list of string

Default:

```
[
  "docker.io"
  "quay.io"
]
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/containers.nix>

virtualisation.containers.storage.settings
storage.conf configuration

Type: TOML value

Declared by:
<nixpkgs/nixos/modules/virtualisation/containers.nix>

virtualisation.cores
Specify the number of cores the guest is permitted to use. The number can be higher than the available cores on the host system.

Type: positive integer, meaning >0

Default:

```
1
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.credentials

Credentials to pass to the VM using systemd's credential system.

See **systemd.exec**(5) , **systemd−creds**(1) and https://systemd.io/CREDENTIALS/ for more information about systemd credentials.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  binary−key = {
    mechanism = "fw_cfg";
    source = "./private.der";
  };
  config−file = {
    mechanism = "smbios";
    text = ''
      [database]
      host=localhost
      port=5432
    '';
  };
  database−password = {
    text = "my−secret−password";
  };
  ssl−cert = {
    source = "./cert.pem";
  };
}
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.credentials.<name>.mechanism

The mechanism used to pass the credential to the VM.

Type: one of "fw_cfg", "smbios"

Default:

```
if pkgs.stdenv.hostPlatform.isx86 then "smbios" else "fw_cfg"
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.credentials.<name>.source

Source file on the host containing the credential data.

Type: null or path

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.credentials.<name>.text

Text content of the credential.

For binary data or when the credential content should come from an existing file, use ‘source’ instead.

Warning
The text here is stored in the host’s nix store as a file.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.cri−o.enable

Whether to enable Container Runtime Interface for OCI (CRI−O).

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/cri−o.nix>

virtualisation.cri−o.extraPackages

Extra packages to be installed in the CRI−O wrapper.

Type: list of package

Default:

```
[ ]
```

Example:

```
[
  pkgs.gvisor
]
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/cri−o.nix>

virtualisation.cri−o.logLevel

Log level to be used

Type: one of “trace”, “debug”, “info”, “warn”, “error”, “fatal”

Default:

```
"info"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/cri−o.nix>

virtualisation.cri−o.pauseCommand

Override the default pause command

Type: null or string

Default:

```
null
```

Example:

```
"/pause"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/cri-o.nix>

virtualisation.cri-o.pauseImage
Override the default pause image for pod sandboxes

Type: null or string

Default:

```
null
```

Example:

```
"k8s.gcr.io/pause:3.2"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/cri-o.nix>

virtualisation.cri-o.runtime
Override the default runtime

Type: null or string

Default:

```
null
```

Example:

```
"crun"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/cri-o.nix>

virtualisation.cri-o.settings
Configuration for cri-o, see **https://github.com/cri-o/cri-o/blob/master/docs/crio.conf.5.md**.

Type: TOML value

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/cri-o.nix>

virtualisation.cri-o.storageDriver
Storage driver to be used

Type: one of “aufs”, “btrfs”, “devmapper”, “overlay”, “vfs”, “zfs”

Default:

```
"overlay"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/cri-o.nix>

virtualisation.directBoot.enable

If enabled, the virtual machine will boot directly into the kernel instead of through a bootloader. Read more about this feature in the **QEMU documentation on Direct Linux Boot**

This is enabled by default. If you want to test netboot, consider disabling this option. Enable a bootloader with **virtualisation.useBootLoader** if you need.

Relevant parameters such as those set in 'boot.initrd' and 'boot.kernelParams' are also passed to QEMU. Additional parameters can be supplied on invocation through the environment variable '$QEMU_KERNEL_PARAMS'. They are added to the '−append' option, see **QEMU User Documentation** for details For example, to let QEMU use the parent terminal as the serial console, set 'QEMU_KERNEL_PARAMS="console=ttyS0"'.

This will not (re−)boot correctly into a system that has switched to a different configuration on disk.

Type: boolean

Default:

```
"!cfg.useBootLoader"
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.directBoot.initrd

In direct boot situations, you may want to influence the initrd to load to use your own customized payload.

This is useful if you want to test the netboot image without testing the firmware or the loading part.

Type: string

Default:

```
"\${config.system.build.initialRamdisk}/\${config.system.boot.loa \
der.initrdFile}"
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.diskImage

Path to the disk image containing the root filesystem. The image will be created on startup if it does not exist.

If null, a tmpfs will be used as the root filesystem and the VM's state will not be persistent.

Type: null or string

Default:

```
"./${config.system.name}.qcow2"
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.diskSize

The disk size in MiB (1024×1024 bytes) of the virtual machine.

Type: value "auto" (singular enum) or (positive integer, meaning >0)

Default:

```
if virtualisation.diskSizeAutoSupported then "auto" else 1024
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/disk−size−option.nix>

virtualisation.docker.enable
This option enables docker, a daemon that manages linux containers. Users in the “docker” group can interact with the daemon (e.g. to start or stop containers) using the **docker** command line tool.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/docker.nix>

virtualisation.docker.enableNvidia
Deprecated, please use **hardware.nvidia−container−toolkit.enable** instead.

Enable Nvidia GPU support inside docker containers.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/docker.nix>

virtualisation.docker.enableOnBoot
When enabled dockerd is started on boot. This is required for containers which are created with the ‘−−restart=always’ flag to work. If this option is disabled, docker might be started on demand by socket activation.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/docker.nix>

virtualisation.docker.package
The docker package to use.

Type: package

Default:

```
pkgs.docker
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/docker.nix>

virtualisation.docker.autoPrune.enable
Whether to periodically prune Docker resources. If enabled, a systemd timer will run ‘docker system prune −f’ as specified by the ‘dates’ option.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/docker.nix>

virtualisation.docker.autoPrune.dates
Specification (in the format described by **systemd.time**(7)) of the time at which the prune will occur.

Type: string

Default:

```
"weekly"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/docker.nix>

virtualisation.docker.autoPrune.flags
Any additional flags passed to **docker system prune**.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--all"
]
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/docker.nix>

virtualisation.docker.autoPrune.persistent
Takes a boolean argument. If true, the time when the service unit was last triggered is stored on disk. When the timer is activated, the service unit is triggered immediately if it would have been triggered at least once during the time when the timer was inactive. Such triggering is nonetheless subject to the delay imposed by RandomizedDelaySec=. This is useful to catch up on missed runs of the service when the system was powered down.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/docker.nix>

virtualisation.docker.autoPrune.randomizedDelaySec
Add a randomized delay before each auto prune. The delay will be chosen between zero and this value. This value must be a time span in the format specified by **systemd.time**(7)

Type: (optionally newline−terminated) single−line string

Default:

```
"0"
```

Example:

```
"45min"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/docker.nix>

virtualisation.docker.daemon.settings
Configuration for docker daemon. The attributes are serialized to JSON used as daemon.conf. See **https://docs.docker.com/engine/reference/commandline/dockerd/#daemon−configuration−file**

Type: open submodule of (JSON value)

Default:

```
{ }
```

Example:

```
{
  fixed−cidr−v6 = "fd00::/80";
  ipv6 = true;
  live−restore = true;
}
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/docker.nix>

virtualisation.docker.daemon.settings.live−restore
Allow dockerd to be restarted without affecting running container. This option is incompatible with docker swarm.

Type: boolean

Default:

```
lib.versionOlder config.system.stateVersion "24.11"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/docker.nix>

virtualisation.docker.extraOptions
The extra command−line options to pass to **docker** daemon.

Type: strings concatenated with " "

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/docker.nix>

virtualisation.docker.extraPackages
Extra packages to add to PATH for the docker daemon process.

Type: list of package

Default:

```
[ ]
```

Example:

```
with pkgs; [ criu ]
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/docker.nix>

virtualisation.docker.listenOptions

A list of unix and tcp docker should listen to. The format follows ListenStream as described in **systemd.socket**(5).

Type: list of string

Default:

```
[
  "/run/docker.sock"
]
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/docker.nix>

virtualisation.docker.liveRestore

Alias of **virtualisation.docker.daemon.settings.live−restore**.

Type: submodule

Declared by:

<nixpkgs/nixos/modules/virtualisation/docker.nix>

virtualisation.docker.logDriver

This option determines which Docker log driver to use.

Type: one of “none”, “json−file”, “syslog”, “journald”, “gelf”, “fluentd”, “awslogs”, “splunk”, “etwlogs”, “gcplogs”, “local”

Default:

```
"journald"
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/docker.nix>

virtualisation.docker.rootless.enable

This option enables docker in a rootless mode, a daemon that manages linux containers. To interact with the daemon, one needs to set **DOCKER_HOST=unix://$XDG_RUNTIME_DIR/docker.sock**.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/docker−rootless.nix>

virtualisation.docker.rootless.package

The docker package to use.

Type: package

Default:

```
pkgs.docker
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/docker−rootless.nix>

virtualisation.docker.rootless.daemon.settings

Configuration for docker daemon. The attributes are serialized to JSON used as daemon.conf. See **https://docs.docker.com/engine/reference/commandline/dockerd/#daemon−configuration−file**

Type: JSON value

Default:

```
{ }
```

Example:

```
{
  fixed-cidr-v6 = "fd00::/80";
  ipv6 = true;
}
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/docker-rootless.nix>

virtualisation.docker.rootless.extraPackages
Extra packages to add to PATH for the docker daemon process.

Type: list of package

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/docker-rootless.nix>

virtualisation.docker.rootless.setSocketVariable
Point **DOCKER_HOST** to rootless Docker instance for normal users by default.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/docker-rootless.nix>

virtualisation.docker.storageDriver
This option determines which Docker **storage driver** to use. By default it lets docker automatically choose the preferred storage driver. However, it is recommended to specify a storage driver explicitly, as docker's default varies over versions.

Warning
Changing the storage driver will cause any existing containers and images to become inaccessible.

Type: null or one of "aufs", "btrfs", "devicemapper", "overlay", "overlay2", "zfs"

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/docker.nix>

virtualisation.efi.OVMF
OVMF firmware package, defaults to OVMF configured with secure boot if needed.

Type: package

Default:

```
(pkgs.OVMF.override {
          secureBoot = cfg.useSecureBoot;
        }).fd''
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.efi.firmware
Firmware binary for EFI implementation, defaults to OVMF.

Type: absolute path

Default:

```
cfg.efi.OVMF.firmware
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.efi.keepVariables
Whether to keep EFI variable values from the generated system image

Type: boolean

Default:

```
cfg.useBootLoader
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.efi.variables
Platform−specific flash binary for EFI variables, implementation−dependent to the EFI firmware. Defaults to OVMF.

Type: absolute path

Default:

```
cfg.efi.OVMF.variables
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.emptyDiskImages
Additional disk images to provide to the VM. The value is a list of size in MiB (1024×1024 bytes) of each disk. These disks are writeable by the VM.

Type: list of ((submodule) or (positive integer, meaning >0) convertible to it)

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.emptyDiskImages.*.driveConfig
Drive configuration to pass to **virtualisation.qemu.drives**

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.emptyDiskImages.*.driveConfig.deviceExtraOpts
Extra options passed to device flag.

Type: attribute set of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu-vm.nix>

virtualisation.emptyDiskImages.*.driveConfig.driveExtraOpts
Extra options passed to drive flag.

Type: attribute set of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu-vm.nix>

virtualisation.emptyDiskImages.*.driveConfig.name
A name for the drive. Must be unique in the drives list. Not passed to qemu.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu-vm.nix>

virtualisation.emptyDiskImages.*.size
The size of the disk in MiB

Type: positive integer, meaning >0

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu-vm.nix>

virtualisation.fileSystems
The file systems to be mounted. It must include an entry for the root directory (‘mountPoint = "/"’). Each entry in the list is an attribute set with the following fields: ‘mountPoint’, ‘device’, ‘fsType’ (a file system type recognised by **mount**), and ‘options’ (the mount options passed to **mount** using the **-o** flag; defaults to ‘["defaults"]’).

Instead of specifying ‘device’, you can also specify a volume label (‘label’) for file systems that support it, such as ext2/ext3 (see **mke2fs -L**).

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  "/".device = "/dev/hda1";
  "/data" = {
    device = "/dev/hda2";
    fsType = "ext3";
    options = [ "data=journal" ];
```

```
  };
  "/bigdisk".label = "bigdisk";
}
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.fileSystems.<name>.enable
Whether to enable the filesystem mount.

Type: boolean

Default:

```
true
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems.nix>

virtualisation.fileSystems.<name>.autoFormat
If the device does not currently contain a filesystem (as determined by **blkid**), then automatically format it with the filesystem type specified in **fsType**. Use with caution.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems.nix>

virtualisation.fileSystems.<name>.autoResize
If set, the filesystem is grown to its maximum size before being mounted. (This is typically the size of the containing partition.) This is currently only supported for ext2/3/4 filesystems that are mounted during early boot.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems.nix>

virtualisation.fileSystems.<name>.depends
List of paths that should be mounted before this one. This filesystem's **device** and **mountPoint** are always checked and do not need to be included explicitly. If a path is added to this list, any other filesystem whose mount point is a parent of the path will be mounted before this filesystem. The paths do not need to actually be the **mountPoint** of some other filesystem.

This is useful for mounts which require keys and/or configuration files residing on another filesystem.

Type: list of string (with check: non−empty without trailing slash)

Default:

```
[ ]
```

Example:

```
[
  "/persist"
```

```
]
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems.nix>

virtualisation.fileSystems.<name>.device
The device as passed to ‘mount’.

This can be any of:

- a filename of a block special device such as ‘/dev/sdc3’
- a tag such as ‘UUID=fdd68895−c307−4549−8c9c−90e44c71f5b7’
- (for bind mounts only) the source path
- something else depending on the **fsType**. For example, ‘nfs’ device may look like ‘knuth.cwi.nl:/dir’

This is called ‘device’ in **mount**(8) and ‘fs_spec’ in **fstab**(5).

Type: null or string (with check: non−empty)

Default:

```
null
```

Example:

```
"/dev/sda"
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems.nix>

virtualisation.fileSystems.<name>.encrypted.enable
The block device is backed by an encrypted one, adds this device as a initrd luks entry.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/tasks/encrypted−devices.nix>

virtualisation.fileSystems.<name>.encrypted.blkDev
Location of the backing encrypted device.

Type: null or string

Default:

```
null
```

Example:

```
"/dev/sda1"
```

Declared by:
<nixpkgs/nixos/modules/tasks/encrypted−devices.nix>

virtualisation.fileSystems.<name>.encrypted.keyFile
Path to a keyfile used to unlock the backing encrypted device. When systemd stage 1 is not enabled, at the time this keyfile is accessed, the ‘neededForBoot’ filesystems (see ‘utils.fsNeededForBoot’) will have been mounted under ‘/mnt−root’, so the keyfile path should usually start with “/mnt−root/”. When systemd stage 1 is enabled, ‘fsNeededForBoot’ file systems will be mounted as needed under ‘/sysroot’, and the keyfile will not be accessed until its requisite mounts are done.

Type: null or string

Default:

```
null
```

Example:

```
"/mnt-root/root/.swapkey"
```

Declared by:
<nixpkgs/nixos/modules/tasks/encrypted-devices.nix>

virtualisation.fileSystems.<name>.encrypted.label
Label of the unlocked encrypted device. Set ‘fileSystems.<name?>.device’ to ‘/dev/mapper/<label>’ to mount the unlocked device.

Type: null or string

Default:

```
null
```

Example:

```
"rootfs"
```

Declared by:
<nixpkgs/nixos/modules/tasks/encrypted-devices.nix>

virtualisation.fileSystems.<name>.fsType
Type of the file system.

This is the ‘fstype’ passed to ‘-t’ in the **mount**(8) command, and is called ‘fs_vfstype’ in **fstab**(5).

Type: string (with check: non-empty)

Example:

```
"ext3"
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems.nix>

virtualisation.fileSystems.<name>.label
Label of the device. This simply sets **device** to ‘/dev/disk/by-label/${label}’. Note that devices will not have a label unless they contain a filesystem which supports labels, such as ext4 or fat32.

Type: null or string (with check: non-empty)

Default:

```
null
```

Example:

```
"root-partition"
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems.nix>

virtualisation.fileSystems.<name>.mountPoint
Location where the file system will be mounted.

This is called ‘mountpoint’ in **mount**(8) and ‘fs_file’ in **fstab**(5)

Type: string (with check: non-empty without trailing slash)

Default:

```
"‹name›"
```

Example:

```
"/mnt/usb"
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems.nix>

virtualisation.fileSystems.<name>.neededForBoot
If set, this file system will be mounted in the initial ramdisk. Note that the file system will always be mounted in the initial ramdisk if its mount point is one of the following: */*, */nix*, */nix/store*, */var*, */var/log*, */var/lib*, */var/lib/nixos*, */etc*, */usr*.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/system/boot/stage−1.nix>

virtualisation.fileSystems.<name>.noCheck
Disable running fsck on this filesystem.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems.nix>

virtualisation.fileSystems.<name>.options
Options used to mount the file system.

This is called ‘options’ in **mount**(8) and ‘fs_mntops’ in **fstab**(5)

Some options that can be used for all mounts are documented in **mount**(8) under ‘FILESYSTEM−INDEPENDENT MOUNT OPTIONS’.

Options that systemd understands are documented in **systemd.mount**(5) under ‘FSTAB’.

Each filesystem supports additional options, see the docs for that filesystem.

Type: non−empty (list of string (with check: non−empty))

Default:

```
[
  "defaults"
]
```

Example:

```
[
  "data=journal"
]
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems.nix>

virtualisation.fileSystems.<name>.overlay.lowerdir
The list of path(s) to the lowerdir(s).

To create a writable overlay, you MUST provide an ‘upperdir’ and a ‘workdir’.

You can create a read−only overlay when you provide multiple (at least 2!) lowerdirs and neither an ‘upperdir’ nor a ‘workdir’.

Type: null or (non−empty (list of (string or path in the Nix store)))

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/overlayfs.nix>

virtualisation.fileSystems.<name>.overlay.upperdir
The path to the upperdir.

If this is null, a read−only overlay is created using the lowerdir.

If the filesystem is ‘neededForBoot’, this will be prefixed with ‘/sysroot’, unless ‘useStage1BaseDirectories’ is set to ‘true’.

If you set this to some value you MUST also set ‘workdir’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/overlayfs.nix>

virtualisation.fileSystems.<name>.overlay.useStage1BaseDirectories
If enabled, ‘lowerdir’, ‘upperdir’ and ‘workdir’ will be prefixed with ‘/sysroot’.

Disabling this can be useful to create an overlay over directories which aren’t on the real root.

Disabling this does not work with the scripted (i.e. non−systemd) initrd.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/overlayfs.nix>

virtualisation.fileSystems.<name>.overlay.workdir
The path to the workdir.

If the filesystem is ‘neededForBoot’, this will be prefixed with ‘/sysroot’, unless ‘useStage1BaseDirectories’ is set to ‘true’.

This MUST be set if you set ‘upperdir’.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems/overlayfs.nix>

virtualisation.fileSystems.<name>.stratis.poolUuid
UUID of the stratis pool that the fs is located in

This is only relevant if you are using **stratis**.

Type: null or string

Default:

```
null
```

Example:

```
"04c68063−90a5−4235−b9dd−6180098a20d9"
```

Declared by:
<nixpkgs/nixos/modules/tasks/filesystems.nix>

virtualisation.forwardPorts
When using the SLiRP user networking (default), this option allows to forward ports to/from the host/guest.

Warning
If the NixOS firewall on the virtual machine is enabled, you also have to open the guest ports to enable the traffic between host and guest.

Note
Currently QEMU supports only IPv4 forwarding.

Type: list of (submodule)

Default:

```
[ ]
```

Example:

```
[ # forward local port 2222 -> 22, to ssh into the VM
  { from = "host"; host.port = 2222; guest.port = 22; }
  # forward local port 80 -> 10.0.2.10:80 in the VLAN
  { from = "guest";
    guest.address = "10.0.2.10"; guest.port = 80;
    host.address = "127.0.0.1"; host.port = 80;
  }
]
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu-vm.nix>

virtualisation.forwardPorts.*.from
Controls the direction in which the ports are mapped:

- ‘"host"’ means traffic from the host ports is forwarded to the given guest port.
- ‘"guest"’ means traffic from the guest ports is forwarded to the given host port.

Type: one of “host”, “guest”

Default:

```
"host"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu-vm.nix>

virtualisation.forwardPorts.*.guest.address
The IPv4 address on the guest VLAN.

Type: string

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu-vm.nix>

virtualisation.forwardPorts.*.guest.port
The guest port to be mapped.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.forwardPorts.*.host.address
The IPv4 address of the host.

Type: string

Default:
```
""
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.forwardPorts.*.host.port
The host port to be mapped.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.forwardPorts.*.proto
The protocol to forward.

Type: one of “tcp”, “udp”

Default:
```
"tcp"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.graphics
Whether to run QEMU with a graphics window, or in nographic mode. Serial console will be enabled on both settings, but this will change the preferred console.

Type: boolean

Default:
```
true
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.host.pkgs
Package set to use for the host−specific packages of the VM runner. Changing this to e.g. a Darwin package set allows running NixOS VMs on Darwin.

Type: An evaluation of Nixpkgs; the top level attribute set of packages

Default:
```
pkgs
```

Example:
```
import pkgs.path { system = "x86_64−darwin"; }
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.hypervGuest.enable
Whether to enable Hyper−V Guest Support.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/hyperv−guest.nix>

virtualisation.incus.enable
Whether to enable incusd, a daemon that manages containers and virtual machines.

Users in the “incus−admin” group can interact with the daemon (e.g. to start or stop containers) using the **incus** command line tool, among others. Users in the “incus” group can also interact with the daemon, but with lower permissions (i.e. administrative operations are forbidden). .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/incus.nix>

virtualisation.incus.package
The incus−lts package to use.

Type: package

Default:

```
pkgs.incus-lts
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/incus.nix>

virtualisation.incus.agent.enable
Whether to enable Incus agent.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/incus−agent.nix>

virtualisation.incus.bucketSupport

Enable bucket support using minio, which is an insecure and unmaintained S3 provider.

Type: boolean

Default:

```
if lib.versionAtLeast config.system.stateVersion "26.11" then false \
 else null;
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/incus.nix>

virtualisation.incus.clientPackage

The incus client package to use. This package is added to PATH.

Type: package

Default:

```
config.virtualisation.incus.package.client
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/incus.nix>

virtualisation.incus.lxcPackage

The lxc package to use.

Type: package

Default:

```
config.virtualisation.lxc.package
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/incus.nix>

virtualisation.incus.preseed

Configuration for Incus preseed, see **https://linuxcontainers.org/incus/docs/main/howto/initialize/#non−interactive−configuration** for supported values.

Changes to this will be re−applied to Incus which will overwrite existing entities or create missing ones, but entities will *not* be removed by preseed.

Type: null or (open submodule of (YAML 1.1 value))

Default:

```
null
```

Example:

```
{
  networks = [
    {
      config = {
        "ipv4.address" = "10.0.100.1/24";
        "ipv4.nat" = "true";
      };
      name = "incusbr0";
      type = "bridge";
    }
  ];
  profiles = [
    {
      devices = {
```

```
            eth0 = {
              name = "eth0";
              network = "incusbr0";
              type = "nic";
            };
            root = {
              path = "/";
              pool = "default";
              size = "35GiB";
              type = "disk";
            };
          };
          name = "default";
        }
      ];
      storage_pools = [
        {
          config = {
            source = "/var/lib/incus/storage-pools/default";
          };
          driver = "dir";
          name = "default";
        }
      ];
    }
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/incus.nix>

virtualisation.incus.socketActivation
Whether to enable socket−activation for starting incus.service. Enabling this option will stop incus.service from starting automatically on boot. .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/incus.nix>

virtualisation.incus.softDaemonRestart
Allow for incus.service to be stopped without affecting running instances.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/incus.nix>

virtualisation.incus.startTimeout

Time to wait (in seconds) for incusd to become ready to process requests. If incusd does not reply within the configured time, ‘incus.service’ will be considered failed and systemd will attempt to restart it.

Type: unsigned integer, meaning >=0

Default:

```
600
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/incus.nix>

virtualisation.incus.ui.enable

Whether to enable Incus Web UI.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/incus.nix>

virtualisation.incus.ui.package

The incus−ui−canonical package to use.

Type: package

Default:

```
pkgs.incus-ui-canonical
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/incus.nix>

virtualisation.incus.useACMEHost

Host of an existing Let’s Encrypt certificate to use for TLS. *Note that this option does not create any certificates and it doesn’t add subdomains to existing ones – you will need to create them manually using* **security.acme.certs**.

Type: null or string

Default:

```
null
```

Example:

```
"incus.example.com"
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/incus.nix>

virtualisation.installBootLoader

Install boot loader to target image.

This is best−effort and may break with unconventional partition setups. Use ‘virtualisation.useDefaultFilesystems’ for a known−working configuration.

Type: boolean

Default:

```
"cfg.useBootLoader && cfg.useDefaultFilesystems"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.interfaces
Extra network interfaces to add to the container or VM in addition to the ones created by **virtualisation.vlans**.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  enp1s0 = {
    vlan = 1;
  };
}
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/guest−networking−options.nix>

virtualisation.interfaces.<name>.assignIP
Automatically assign an IP address to the network interface using the same scheme as virtualisation.vlans.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/guest−networking−options.nix>

virtualisation.interfaces.<name>.name
Interface name

Type: string

Default:

```
"‹name›"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/guest−networking−options.nix>

virtualisation.interfaces.<name>.vlan
VLAN to which the network interface is connected.

Type: unsigned integer, meaning >=0

Declared by:
<nixpkgs/nixos/modules/virtualisation/guest−networking−options.nix>

virtualisation.kvmgt.enable
Whether to enable KVMGT (iGVT−g) VGPU support. Allows Qemu/KVM guests to share host's Intel integrated graphics card. Currently only one graphical device can be shared. To allow users to access the device without root add them to the kvm group: 'users.extraUsers.<yourusername>.extraGroups = ["kvm"];' .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/kvmgt.nix>

virtualisation.kvmgt.device
PCI ID of graphics card. You can figure it with **ls /sys/class/mdev_bus**.

Type: string

Default:

```
"0000:00:02.0"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/kvmgt.nix>

virtualisation.kvmgt.vgpus
Virtual GPUs to be used in Qemu. You can find devices via **ls /sys/bus/pci/devices/*/mdev_supported_types** and find info about device via **cat /sys/bus/pci/devices/*/mdev_supported_types/i915-GVTg_V5_4/description**

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  i915-GVTg_V5_8 = {
    uuid = [
      "a297db4a-f4c2-11e6-90f6-d3b88d6c9525"
    ];
  };
}
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/kvmgt.nix>

virtualisation.kvmgt.vgpus.<name>.uuid
UUID(s) of VGPU device. You can generate one with ‘libossp_uuid’.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/kvmgt.nix>

virtualisation.libvirtd.enable
This option enables libvirtd, a daemon that manages virtual machines. Users in the “libvirtd” group can interact with the daemon (e.g. to start or stop VMs) using the **virsh** command line tool, among others.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/libvirtd.nix>

virtualisation.libvirtd.package
The libvirt package to use.

Type: package

Default:

```
pkgs.libvirt
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/libvirtd.nix>

virtualisation.libvirtd.allowedBridges
List of bridge devices that can be used by qemu:///session

Type: list of string

Default:

```
[
  "virbr0"
]
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/libvirtd.nix>

virtualisation.libvirtd.dbus.enable
Whether to enable exposing libvirtd APIs over D−Bus.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/libvirtd.nix>

virtualisation.libvirtd.dbus.package
The libvirt−dbus package to use.

Type: package

Default:

```
pkgs.libvirt-dbus
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/libvirtd.nix>

virtualisation.libvirtd.extraConfig
Extra contents appended to the libvirtd configuration file, libvirtd.conf.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/libvirtd.nix>

virtualisation.libvirtd.extraOptions
Extra command line arguments passed to libvirtd on startup.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--verbose"
]
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/libvirtd.nix>

virtualisation.libvirtd.firewallBackend
The backend used to setup virtual network firewall rules.

Type: one of “iptables”, “nftables”

Default:

```
if config.networking.nftables.enable then "nftables" else "iptables \
"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/libvirtd.nix>

virtualisation.libvirtd.hooks
Hooks related options.

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/libvirtd.nix>

virtualisation.libvirtd.hooks.daemon
Hooks that will be placed under /var/lib/libvirt/hooks/daemon.d/ and called for daemon start/shutdown/ SIGHUP events. Please see **https://libvirt.org/hooks.html** for documentation.

Type: attribute set of absolute path

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/libvirtd.nix>

virtualisation.libvirtd.hooks.libxl
Hooks that will be placed under /var/lib/libvirt/hooks/libxl.d/ and called for libxl−handled xen domains begin/end events. Please see **https://libvirt.org/hooks.html** for documentation.

Type: attribute set of absolute path

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/libvirtd.nix>

virtualisation.libvirtd.hooks.lxc
Hooks that will be placed under /var/lib/libvirt/hooks/lxc.d/ and called for lxc domains begin/end events. Please see **https://libvirt.org/hooks.html** for documentation.

Type: attribute set of absolute path

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/libvirtd.nix>

virtualisation.libvirtd.hooks.network
Hooks that will be placed under /var/lib/libvirt/hooks/network.d/ and called for networks begin/end events. Please see **https://libvirt.org/hooks.html** for documentation.

Type: attribute set of absolute path

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/libvirtd.nix>

virtualisation.libvirtd.hooks.qemu
Hooks that will be placed under /var/lib/libvirt/hooks/qemu.d/ and called for qemu domains begin/end/ migrate events. Please see **https://libvirt.org/hooks.html** for documentation.

Type: attribute set of absolute path

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/libvirtd.nix>

virtualisation.libvirtd.nss
libvirt NSS module options.

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/libvirtd.nix>

virtualisation.libvirtd.nss.enable
This option enables the older libvirt NSS module. This method uses DHCP server records, therefore is dependent on the hostname provided by the guest. Please see **https://libvirt.org/nss.html** for more information.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/libvirtd.nix>

virtualisation.libvirtd.nss.enableGuest
This option enables the newer libvirt_guest NSS module. This module uses the libvirt guest name instead of the hostname of the guest. Please see **https://libvirt.org/nss.html** for more information.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/libvirtd.nix>

virtualisation.libvirtd.onBoot
Specifies the action to be done to / on the guests when the host boots. The “start” option starts all guests that were running prior to shutdown regardless of their autostart settings. The “ignore” option will not start the formerly running guest on boot. However, any guest marked as autostart will still be automatically started by libvirtd.

Type: one of “start”, “ignore”

Default:

```
"start"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/libvirtd.nix>

virtualisation.libvirtd.onShutdown
When shutting down / restarting the host what method should be used to gracefully halt the guests. Setting to “shutdown” will cause an ACPI shutdown of each guest. “suspend” will attempt to save the state of the guests ready to restore on boot.

Type: one of “shutdown”, “suspend”

Default:

```
"suspend"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/libvirtd.nix>

virtualisation.libvirtd.parallelShutdown
Number of guests that will be shutdown concurrently, taking effect when onShutdown is set to “shutdown”. If set to 0, guests will be shutdown one after another. Number of guests on shutdown at any time will not exceed number set in this variable.

Type: unsigned integer, meaning >=0

Default:

Declared by:
<nixpkgs/nixos/modules/virtualisation/libvirtd.nix>

virtualisation.libvirtd.qemu
QEMU related options.

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/libvirtd.nix>

virtualisation.libvirtd.qemu.package
The qemu package to use. ‘pkgs.qemu’ can emulate alien architectures (e.g. aarch64 on x86) ‘pkgs.qemu_kvm’ saves disk space allowing to emulate only host architectures.

Type: package

Default:

```
pkgs.qemu
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/libvirtd.nix>

virtualisation.libvirtd.qemu.runAsRoot
If true, libvirtd runs qemu as root. If false, libvirtd runs qemu as unprivileged user qemu−libvirtd. Changing this option to false may cause file permission issues for existing guests. To fix these, manually change ownership of affected files in /var/lib/libvirt/qemu to qemu−libvirtd.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/libvirtd.nix>

virtualisation.libvirtd.qemu.swtpm
QEMU’s swtpm options.

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/libvirtd.nix>

virtualisation.libvirtd.qemu.swtpm.enable
Allows libvirtd to use swtpm to create an emulated TPM.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/libvirtd.nix>

virtualisation.libvirtd.qemu.swtpm.package
The swtpm package to use.

Type: package

Default:

```
pkgs.swtpm
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/libvirtd.nix>

virtualisation.libvirtd.qemu.verbatimConfig

Contents written to the qemu configuration file, qemu.conf. Make sure to include a proper namespace configuration when supplying custom configuration.

Type: strings concatenated with “\n”

Default:

```
namespaces = []
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/libvirtd.nix>

virtualisation.libvirtd.qemu.vhostUserPackages

Packages containing out−of−tree vhost−user drivers.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.virtiofsd ]
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/libvirtd.nix>

virtualisation.libvirtd.shutdownTimeout

Number of seconds we’re willing to wait for a guest to shut down. If parallel shutdown is enabled, this timeout applies as a timeout for shutting down all guests on a single URI defined in the variable URIS. If this is 0, then there is no time out (use with caution, as guests might not respond to a shutdown request).

Type: unsigned integer, meaning >=0

Default:

```
300
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/libvirtd.nix>

virtualisation.libvirtd.sshProxy

Whether to configure OpenSSH to use the **SSH Proxy**.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/libvirtd.nix>

virtualisation.libvirtd.startDelay

Number of seconds to wait between each guest start. If set to 0, all guests will start up in parallel.

Type: unsigned integer, meaning >=0

Default:

Declared by:

<nixpkgs/nixos/modules/virtualisation/libvirtd.nix>

virtualisation.lxc.enable

This enables Linux Containers (LXC), which provides tools for creating and managing system or application containers on Linux.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/lxc.nix>

virtualisation.lxc.package

The lxc package to use.

Type: package

Default:

```
pkgs.lxc
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/lxc.nix>

virtualisation.lxc.bridgeConfig

This is the config file for override lxc−net bridge default settings.

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/lxc.nix>

virtualisation.lxc.defaultConfig

Default config (default.conf) for new containers, i.e. for network config. See **lxc.container.conf**(5).

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/lxc.nix>

virtualisation.lxc.lxcfs.enable

This enables LXCFS, a FUSE filesystem for LXC. To use lxcfs in include the following configuration in your container configuration:

```
virtualisation.lxc.defaultConfig = "lxc.include = ${pkgs.lxcfs}/sha \
re/lxc/config/common.conf.d/00−lxcfs.conf";
```

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/lxcfs.nix>

virtualisation.lxc.systemConfig

This is the system−wide LXC config. See **lxc.system.conf**(5).

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/lxc.nix>

virtualisation.lxc.unprivilegedContainers

Whether to enable support for unprivileged users to launch containers.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/lxc.nix>

virtualisation.lxc.usernetConfig

This is the config file for managing unprivileged user network administration access in LXC. See **lxc−usernet**(5).

Type: strings concatenated with “\n”

Default:

```
""
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/lxc.nix>

virtualisation.memorySize

The memory size of the virtual machine in MiB (1024×1024 bytes).

Type: positive integer, meaning >0

Default:

```
1024
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.mountHostNixStore

Mount the host Nix store as a 9p mount.

Type: boolean

Default:

```
!cfg.useNixStoreImage && !cfg.useBootLoader
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.msize

The msize (maximum packet size) option passed to 9p file systems, in bytes. Increasing this should increase performance significantly, at the cost of higher RAM usage.

Type: positive integer, meaning >0

Default:

```
16384
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.nixStore9pCache

Type of 9p cache to use when mounting host nix store. “none” provides no caching. “loose” enables Linux’s local VFS cache. “fscache” uses Linux’s fscache subsystem.

This option is only respected when **virtualisation.mountHostNixStore** is enabled.

Type: one of “loose”, “none”, “fscache”

Default:

```
"loose"
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.oci−containers.backend

The underlying Docker implementation to use.

Type: one of “podman”, “docker”

Default:

```
"podman"
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/oci−containers.nix>

virtualisation.oci−containers.containers

OCI (Docker) containers to run as systemd services.

Type: attribute set of (submodule)

Default:

```
{ }
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/oci−containers.nix>

virtualisation.oci−containers.containers.<name>.autoRemoveOnStop

Automatically remove the container when it is stopped or killed

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/oci−containers.nix>

virtualisation.oci−containers.containers.<name>.autoStart

When enabled, the container is automatically started on boot. If this option is set to false, the container has to be started on−demand via its service.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/oci−containers.nix>

virtualisation.oci−containers.containers.<name>.capabilities

Capabilities to configure for the container. When set to true, capability is added to the container. When set to false, capability is dropped from the container. When null, default runtime settings apply.

Type: lazy attribute set of (null or boolean)

Default:

```
{ }
```

Example:

```
{
  SYS_ADMIN = true;
  SYS_WRITE = false;
}
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/oci−containers.nix>

virtualisation.oci−containers.containers.<name>.cmd

Commandline arguments to pass to the image's entrypoint.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "−−port=9000"
]
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/oci−containers.nix>

virtualisation.oci−containers.containers.<name>.dependsOn

Define which other containers this one depends on. They will be added to both After and Requires for the unit.

Use the same name as the attribute under 'virtualisation.oci−containers.containers'.

Type: list of string

Default:

```
[ ]
```

Example:

```
virtualisation.oci−containers.containers = {
  node1 = {};
  node2.dependsOn = [ "node1" ];
```

```
};
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/oci−containers.nix>

virtualisation.oci−containers.containers.<name>.devices

List of devices to attach to this container.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "/dev/dri:/dev/dri"
]
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/oci−containers.nix>

virtualisation.oci−containers.containers.<name>.entrypoint

Override the default entrypoint of the image.

Type: null or string

Default:

```
null
```

Example:

```
"/bin/my−app"
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/oci−containers.nix>

virtualisation.oci−containers.containers.<name>.environment

Environment variables to set for this container.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  DATABASE_HOST = "db.example.com";
  DATABASE_PORT = "3306";
}
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/oci−containers.nix>

virtualisation.oci−containers.containers.<name>.environmentFiles

Environment files for this container.

Type: list of absolute path

Default:

```
[ ]
```

Example:

```
[
```

```
    "/path/to/.env"
    "/path/to/.env.secret"
  ]
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/oci−containers.nix>

virtualisation.oci−containers.containers.<name>.extraOptions
Extra options for **podman run**.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "−−network=host"
]
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/oci−containers.nix>

virtualisation.oci−containers.containers.<name>.hostname
The hostname of the container.

Type: null or string

Default:

```
null
```

Example:

```
"hello−world"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/oci−containers.nix>

virtualisation.oci−containers.containers.<name>.image
OCI image to run.

Type: string

Example:

```
"library/hello−world"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/oci−containers.nix>

virtualisation.oci−containers.containers.<name>.imageFile
Path to an image file to load before running the image. This can be used to bypass pulling the image from the registry.

The ‘image’ attribute must match the name and tag of the image contained in this file, as they will be used to run the container with that image. If they do not match, the image will be pulled from the registry as usual.

Type: null or path in the Nix store

Default:

```
null
```

Example:

```
pkgs.dockerTools.buildImage {...};
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/oci−containers.nix>

virtualisation.oci−containers.containers.<name>.imageStream
Path to a script that streams the desired image on standard output.

This option is mainly intended for use with ‘pkgs.dockerTools.streamLayeredImage’ so that the intermediate image archive does not need to be stored in the Nix store. For larger images this optimization can significantly reduce Nix store churn compared to using the ‘imageFile’ option, because you don’t have to store a new copy of the image archive in the Nix store every time you change the image. Instead, if you stream the image then you only need to build and store the layers that differ from the previous image.

Type: null or package

Default:

```
null
```

Example:

```
pkgs.dockerTools.streamLayeredImage {...};
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/oci−containers.nix>

virtualisation.oci−containers.containers.<name>.labels
Labels to attach to the container at runtime.

Type: attribute set of string

Default:

```
{ }
```

Example:

```
{
  "traefik.https.routers.example.rule" = "Host(‘example.container‘) \
";
}
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/oci−containers.nix>

virtualisation.oci−containers.containers.<name>.log−driver
Logging driver for the container. The default of ‘"journald"’ means that the container’s logs will be handled as part of the systemd unit.

For more details and a full list of logging drivers, refer to respective backends documentation.

For Docker: **Docker engine documentation**

For Podman: Refer to the **docker−run**(1) man page.

Type: string

Default:

```
"journald"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/oci−containers.nix>

virtualisation.oci−containers.containers.<name>.login.passwordFile
Path to file containing password.

Type: null or string

Default:

```
null
```

Example:

```
"/etc/nixos/dockerhub−password.txt"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/oci−containers.nix>

virtualisation.oci−containers.containers.<name>.login.registry
Registry where to login to.

Type: null or string

Default:

```
null
```

Example:

```
"https://docker.pkg.github.com"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/oci−containers.nix>

virtualisation.oci−containers.containers.<name>.login.username
Username for login.

Type: null or string

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/oci−containers.nix>

virtualisation.oci−containers.containers.<name>.networks
Networks to attach the container to

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/oci−containers.nix>

virtualisation.oci−containers.containers.<name>.podman
Podman−specific settings in OCI containers. These must be null when using the ‘docker’ backend.

Type: null or (submodule)

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/oci−containers.nix>

virtualisation.oci−containers.containers.<name>.podman.sdnotify

Determines how ‘podman’ should notify systemd that the unit is ready. There are **three options**:

- ‘conmon’: marks the unit as ready when the container has started.
- ‘healthy’: marks the unit as ready when the **container’s healthcheck** passes.
- ‘container’: ‘NOTIFY_SOCKET’ is passed into the container and the process inside the container needs to indicate on its own that it’s ready.

Type: one of “conmon”, “healthy”, “container”

Default:

```
"conmon"
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/oci−containers.nix>

virtualisation.oci−containers.containers.<name>.podman.user

The user under which the container should run.

Type: string

Default:

```
"root"
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/oci−containers.nix>

virtualisation.oci−containers.containers.<name>.ports

Network ports to publish from the container to the outer host.

Valid formats:

- ‘<ip>:<hostPort>:<containerPort>’
- ‘<ip>::<containerPort>’
- ‘<hostPort>:<containerPort>’
- ‘<containerPort>’

Both ‘hostPort’ and ‘containerPort’ can be specified as a range of ports. When specifying ranges for both, the number of container ports in the range must match the number of host ports in the range. Example: ‘1234−1236:1234−1236/tcp’

When specifying a range for ‘hostPort’ only, the ‘containerPort’ must *not* be a range. In this case, the container port is published somewhere within the specified ‘hostPort’ range. Example: ‘1234−1236:1234/tcp’

Publishing a port bypasses the NixOS firewall. If the port is not supposed to be shared on the network, make sure to publish the port to localhost. Example: ‘127.0.0.1:1234:1234’

Refer to the **Docker engine documentation** for full details.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "127.0.0.1:8080:9000"
]
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/oci−containers.nix>

virtualisation.oci−containers.containers.<name>.preRunExtraOptions
Extra options for **podman** that go before the 'run' argument.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "−−runtime"
  "runsc"
]
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/oci−containers.nix>

virtualisation.oci−containers.containers.<name>.privileged
Give extended privileges to the container

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/oci−containers.nix>

virtualisation.oci−containers.containers.<name>.pull
Image pull policy for the container. Must be one of: always, missing, never, newer

Type: one of "always", "missing", "never", "newer"

Default:

```
"missing"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/oci−containers.nix>

virtualisation.oci−containers.containers.<name>.serviceName
Systemd service name that manages the container

Type: string

Default:

```
"<backend>−<name>"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/oci−containers.nix>

virtualisation.oci−containers.containers.<name>.user
Override the username or UID (and optionally groupname or GID) used in the container.

Type: null or string

Default:

```
null
```

Example:

```
"alice:users"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/oci−containers.nix>

virtualisation.oci−containers.containers.<name>.volumes
List of volumes to attach to this container.

Note that this is a list of ‘"src:dst"’ strings to allow for ‘src’ to refer to ‘/nix/store’ paths, which would be difficult with an attribute set. There are also a variety of mount options available as a third field; please refer to the **docker engine documentation** for details.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "volume_name:/path/inside/container"
  "/path/on/host:/path/inside/container"
]
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/oci−containers.nix>

virtualisation.oci−containers.containers.<name>.workdir
Override the default working directory for the container.

Type: null or string

Default:

```
null
```

Example:

```
"/var/lib/hello_world"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/oci−containers.nix>

virtualisation.podman.enable
This option enables Podman, a daemonless container engine for developing, managing, and running OCI Containers on your Linux System.

It is a drop−in replacement for the **docker** command.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/podman/default.nix>

virtualisation.podman.enableNvidia
Deprecated, please use **hardware.nvidia−container−toolkit.enable** instead.

Enable use of Nvidia GPUs from within podman containers.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/podman/default.nix>

virtualisation.podman.package
The podman package to use. This package will automatically include extra packages and runtimes.

Type: package

Default:

```
pkgs.podman
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/podman/default.nix>

virtualisation.podman.autoPrune.enable
Whether to periodically prune Podman resources. If enabled, a systemd timer will run ‘podman system prune −f’ as specified by the ‘dates’ option.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/podman/default.nix>

virtualisation.podman.autoPrune.dates
Specification (in the format described by **systemd.time**(7)) of the time at which the prune will occur.

Type: string

Default:

```
"weekly"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/podman/default.nix>

virtualisation.podman.autoPrune.flags
Any additional flags passed to **podman system prune**.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "--all"
]
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/podman/default.nix>

virtualisation.podman.defaultNetwork.settings
Settings for podman’s default network.

Type: JSON value

Default:

```
{ }
```

Example:

```
{ dns_enabled = true; }
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/podman/default.nix>

virtualisation.podman.dockerCompat
Create an alias mapping **docker** to **podman**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/podman/default.nix>

virtualisation.podman.dockerSocket.enable
Make the Podman socket available in place of the Docker socket, so Docker tools can find the Podman socket.

Podman implements the Docker API.

Users must be in the ‘podman’ group in order to connect. As with Docker, members of this group can gain root access.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/podman/default.nix>

virtualisation.podman.extraPackages
Extra dependencies for podman to be placed on $PATH in the wrapper.

Type: list of package

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/podman/default.nix>

virtualisation.podman.extraRuntimes
Extra runtime packages to be installed in the Podman wrapper. Those are then placed in libexec/podman, i.e. are seen as podman internal commands.

Type: list of package

Default:

```
lib.optionals pkgs.stdenv.hostPlatform.isLinux [ pkgs.runc ]
```

Example:

```
[
  pkgs.gvisor
]
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/podman/default.nix>

virtualisation.podman.networkSocket.enable

Make the Podman and Docker compatibility API available over the network with TLS client certificate authentication.

This allows Docker clients to connect with the equivalents of the Docker CLI '−H' and '−−tls*' family of options.

For certificate setup, see **https://docs.docker.com/engine/security/protect−access/**

This option is independent of **virtualisation.podman.dockerSocket.enable**.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/podman/network−socket.nix>

virtualisation.podman.networkSocket.listenAddress

Interface address for receiving TLS connections.

Type: string

Default:

```
"0.0.0.0"
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/podman/network−socket.nix>

virtualisation.podman.networkSocket.openFirewall

Whether to open the port in the firewall.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/podman/network−socket.nix>

virtualisation.podman.networkSocket.port

TCP port number for receiving TLS connections.

Type: 16 bit unsigned integer; between 0 and 65535 (both inclusive)

Default:

```
2376
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/podman/network−socket.nix>

virtualisation.podman.networkSocket.server

Choice of TLS proxy server.

Type: value "ghostunnel" (singular enum)

Example:

```
"ghostunnel"
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/podman/network−socket−ghostunnel.nix>
<nixpkgs/nixos/modules/virtualisation/podman/network−socket.nix>

virtualisation.podman.networkSocket.tls.cacert
Path to CA certificate to use for client authentication.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/virtualisation/podman/network−socket.nix>

virtualisation.podman.networkSocket.tls.cert
Path to certificate describing the server.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/virtualisation/podman/network−socket.nix>

virtualisation.podman.networkSocket.tls.key
Path to the private key corresponding to the server certificate.

Use a string for this setting. Otherwise it will be copied to the Nix store first, where it is readable by any system process.

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/virtualisation/podman/network−socket.nix>

virtualisation.qemu.enableSharedMemory
Whether to enable shared memory.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.qemu.package
QEMU package to use.

Type: package

Default:

```
if hostPkgs.stdenv.hostPlatform.qemuArch == pkgs.stdenv.hostPlatfor \
m.qemuArch then config.virtualisation.host.pkgs.qemu_kvm else confi \
g.virtualisation.host.pkgs.qemu
```

Example:

```
pkgs.qemu_test
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.qemu.consoles
The output console devices to pass to the kernel command line via the ‘console’ parameter, the primary console is the last item of this list.

By default it enables both serial console and ‘tty0’. The preferred console (last one) is based on the value of **virtualisation.graphics**.

Type: list of string

Default:

```
[
  "ttyS0,115200n8"
  "tty0"
]
```

Example:

```
[
  "console=tty1"
]
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu-vm.nix>

virtualisation.qemu.diskInterface
The interface used for the virtual hard disks.

Type: one of “virtio”, “scsi”, “ide”

Default:

```
"virtio"
```

Example:

```
"scsi"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu-vm.nix>

virtualisation.qemu.drives
Drives passed to qemu.

Type: list of (submodule)

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu-vm.nix>

virtualisation.qemu.drives.*.deviceExtraOpts
Extra options passed to device flag.

Type: attribute set of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu-vm.nix>

virtualisation.qemu.drives.*.driveExtraOpts
Extra options passed to drive flag.

Type: attribute set of string

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu-vm.nix>

virtualisation.qemu.drives.*.file

The file image used for this drive.

Type: string

Declared by:

<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.qemu.drives.*.name

A name for the drive. Must be unique in the drives list. Not passed to qemu.

Type: null or string

Default:

```
null
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.qemu.forceAccel

Whether to force the use of hardware−accelerated virtualisation. When enabled, QEMU will not fall back to the slower software emulation (TCG) and will instead error out if the accelerator is not available.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.qemu.guestAgent.enable

Enable the Qemu guest agent.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.qemu.networkingOptions

Networking−related command−line options that should be passed to qemu. The default is to use user-space networking (SLiRP). See the **QEMU Wiki on Networking** for details.

If you override this option, be advised to keep '${QEMU_NET_OPTS:+,$QEMU_NET_OPTS}' (as seen in the example) to keep the default runtime behaviour.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "−net nic,netdev=user.0,model=virtio"
  "−netdev user,id=user.0,\${QEMU_NET_OPTS:+,$QEMU_NET_OPTS}"
]
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.qemu.options
Options passed to QEMU. See **QEMU User Documentation** for a complete list.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "−vga std"
]
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.qemu.virtioKeyboard
Enable the virtio−keyboard device.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.resolution
The resolution of the virtual machine display.

Type: attribute set

Default:

```
{
  x = 1024;
  y = 768;
}
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.restrictNetwork
If this option is enabled, the guest will be isolated, i.e. it will not be able to contact the host and no guest IP packets will be routed over the host to the outside. This option does not affect any explicitly set forwarding rules.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.rootDevice

The path (inside the VM) to the device containing the root filesystem.

Type: null or absolute path

Default:

```
/dev/disk/by-label/nixos
```

Example:

```
"/dev/disk/by-label/nixos"
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/qemu-vm.nix>

virtualisation.rosetta.enable

Whether to enable **Rosetta** support.

This feature requires the system to be a virtualised guest on an Apple silicon host.

The default settings are suitable for the **UTM** virtualisation **package**. Make sure to select 'Apple Virtualization' as the virtualisation engine and then tick the 'Enable Rosetta' option.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/rosetta.nix>

virtualisation.rosetta.mountTag

The VirtioFS mount tag for the Rosetta runtime, exposed by the host's virtualisation software.

If supported, your virtualisation software should provide instructions on how register the Rosetta runtime inside Linux guests. These instructions should mention the name of the mount tag used for the VirtioFS directory share that contains the Rosetta runtime.

Type: string

Default:

```
"rosetta"
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/rosetta.nix>

virtualisation.sharedDirectories

An attributes set of directories that will be shared with the virtual machine using VirtFS (9P filesystem over VirtIO). The attribute name will be used as the 9P mount tag.

Type: attribute set of (submodule)

Default:

```
{ }
```

Example:

```
{
  my-share = {
    source = "/path/to/be/shared";
    target = "/mnt/shared";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.sharedDirectories.<name>.securityModel
The security model to use for this share:

- ‘passthrough’: files are stored using the same credentials as they are created on the guest (this requires QEMU to run as root)
- ‘mapped−xattr’: some of the file attributes like uid, gid, mode bits and link target are stored as file attributes
- ‘mapped−file’: the attributes are stored in the hidden .virtfs_metadata directory. Directories exported by this security model cannot interact with other unix tools
- ‘none’: same as “passthrough” except the sever won’t report failures if it fails to set file attributes like ownership

Type: one of “passthrough”, “mapped−xattr”, “mapped−file”, “none”

Default:

```
"mapped-xattr"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.sharedDirectories.<name>.source
The path of the directory to share, can be a shell variable

Type: string

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.sharedDirectories.<name>.target
The mount point of the directory inside the virtual machine

Type: absolute path

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.spiceUSBRedirection.enable
Install the SPICE USB redirection helper with setuid privileges. This allows unprivileged users to pass USB devices connected to this machine to libvirt VMs, both local and remote. Note that this allows users arbitrary access to USB devices.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/spice−usb−redirection.nix>

virtualisation.tpm.enable
Whether to enable a TPM device in the virtual machine with a driver, using swtpm.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.tpm.package
The swtpm package to use.

Type: package

Default:

```
pkgs.swtpm
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.tpm.deviceModel
QEMU device model for the TPM, uses the appropriate default based on th guest platform system and the package passed.

Type: string

Default:

```
Based on the guest platform Linux system:

− ‘tpm−tis‘ for (i686, x86_64)
− ‘tpm−spapr‘ for ppc64
− ‘tpm−tis−device‘ for (armv7, aarch64)
```

Example:

```
"tpm−tis−device"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.tpm.provisioning
Script to provision the TPM before control is handed off to the VM.

‘TPM2TOOLS_TCTI’ will be provided to configure tpm2−tools to use the swtpm instance transparently. ‘TCTI’ is also provided as a generic value, consumer is expected to re−export it however it may need (‘TPM2OPENSSL_TCTI’, ‘TPM2_PKCS11_TCTI’, …).

Type: null or string

Default:

```
null
```

Example:

```
tpm2_nvdefine 0xcafecafe \
  −C o \
  −a "ownerread|policyread|policywrite|ownerwrite|authread|authwri \
te"
echo "foobar" | tpm2_nvwrite 0xcafecafe −C o
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.useBIOSBoot
If enabled for legacy MBR VMs, the VM image will have a separate boot partition mounted at /boot. useBIOSBoot is ignored if useEFIBoot == true.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu-vm.nix>

virtualisation.useBootLoader
Use a boot loader to boot the system. This allows, among other things, testing the boot loader.

If disabled, the kernel and initrd are directly booted, forgoing any bootloader.

Check the documentation on **virtualisation.directBoot.enable** for details.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu-vm.nix>

virtualisation.useDefaultFilesystems
If enabled, the boot disk of the virtual machine will be formatted and mounted with the default filesystems for testing. Swap devices and LUKS will be disabled.

If disabled, a root filesystem has to be specified and formatted (for example in the initial ramdisk).

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu-vm.nix>

virtualisation.useEFIBoot
If enabled, the virtual machine will provide a EFI boot manager. useEFIBoot is ignored if useBootLoader == false.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu-vm.nix>

virtualisation.useHostCerts
If enabled, when 'NIX_SSL_CERT_FILE' is set on the host, pass the CA certificates from the host to the VM.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu-vm.nix>

virtualisation.useNixStoreImage

Build and use a disk image for the Nix store, instead of accessing the host's one through 9p.

For applications which do a lot of reads from the store, this can drastically improve performance, but at the cost of disk space and image build time.

The Nix store image is built just−in−time right before the VM is started. Because it does not produce another derivation, the image is not cached between invocations and never lands in the store or binary cache.

If you want a full disk image with a partition table and a root filesystem instead of only a store image, enable **virtualisation.useBootLoader** instead.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.useSecureBoot

Enable Secure Boot support in the EFI firmware.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.virtualbox.guest.enable

Whether to enable the VirtualBox service and other guest additions.

Type: boolean

Default:

```
false
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/virtualbox−guest.nix>

virtualisation.virtualbox.guest.clipboard

Whether to enable clipboard support.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/virtualbox−guest.nix>

virtualisation.virtualbox.guest.dragAndDrop

Whether to enable drag and drop support.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/virtualbox−guest.nix>

virtualisation.virtualbox.guest.seamless
Whether to enable seamless mode. When activated windows from the guest appear next to the windows of the host.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/virtualbox−guest.nix>

virtualisation.virtualbox.guest.use3rdPartyModules
Whether to use the kernel modules provided by VirtualBox instead of the ones from the upstream kernel.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/virtualbox−guest.nix>

virtualisation.virtualbox.guest.vboxsf
Whether to load vboxsf

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/virtualbox−guest.nix>

virtualisation.virtualbox.guest.verbose
Whether to verbose logging for guest services.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/virtualbox−guest.nix>

virtualisation.virtualbox.host.enable
Whether to enable VirtualBox.

Note
In order to pass USB devices from the host to the guests, the user needs to be in the ‘vboxusers’ group.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/virtualbox−host.nix>

virtualisation.virtualbox.host.enableExtensionPack
Whether to install the Oracle Extension Pack for VirtualBox.

Important
You must set ‘nixpkgs.config.allowUnfree = true’ in order to use this. This requires you accept the VirtualBox PUEL.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/virtualbox−host.nix>

virtualisation.virtualbox.host.enableHardening
Enable hardened VirtualBox, which ensures that only the binaries in the system path get access to the devices exposed by the kernel modules instead of all users in the vboxusers group.

Important
Disabling this can put your system’s security at risk, as local users in the vboxusers group can tamper with the VirtualBox device files.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/virtualbox−host.nix>

virtualisation.virtualbox.host.enableKvm
Enable KVM support for VirtualBox. This increases compatibility with Linux kernel versions, because the VirtualBox kernel modules are not required.

This option is incompatible with ‘addNetworkInterface’.

Note: This is experimental. Please check **https://github.com/cyberus−technology/virtualbox−kvm/issues**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/virtualbox−host.nix>

virtualisation.virtualbox.host.enableWebService
Build VirtualBox web service tool (vboxwebsrv) to allow managing VMs via other webpage frontend tools. Useful for headless servers.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/virtualbox−host.nix>

virtualisation.virtualbox.host.package
The virtualbox package to use.

Type: package

Default:

```
pkgs.virtualbox
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/virtualbox−host.nix>

virtualisation.virtualbox.host.addNetworkInterface
Automatically set up a vboxnet0 host−only network interface.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/virtualbox−host.nix>

virtualisation.virtualbox.host.headless
Use VirtualBox installation without GUI and Qt dependency. Useful to enable on servers and when virtual machines are controlled only via SSH.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/virtualbox−host.nix>

virtualisation.vlans
Virtual networks to which the container or VM is connected. Each number «N» in this list causes the container to have a virtual Ethernet interface attached to a separate virtual network on which it will be assigned IP address ‘192.168.«N».«M»’, where «M» is the index of this container in the list of containers.

Type: list of (unsigned integer, meaning >=0)

Default:

```
if config.virtualisation.interfaces == {} then [ 1 ] else [ ]
```

Example:

```
[
  1
  2
]
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/guest−networking−options.nix>

virtualisation.vmVariant
Machine configuration to be added for the vm script produced by ‘nixos−rebuild build−vm’.

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/build−vm.nix>

virtualisation.vmVariantWithBootLoader
Machine configuration to be added for the vm script produced by ‘nixos−rebuild build−vm−with−bootloader’.

Type: submodule

Default:

```
{ }
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/build−vm.nix>

virtualisation.vmware.guest.enable
Whether to enable VMWare Guest Support.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/vmware−guest.nix>

virtualisation.vmware.guest.package
Package providing open−vm−tools.

Type: package

Default:

```
if config.virtualisation.vmware.headless then pkgs.open−vm−tools \
−headless else pkgs.open−vm−tools;
```

Example:

```
pkgs.open−vm−tools
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/vmware−guest.nix>

virtualisation.vmware.guest.headless
Whether to disable X11−related features.

Type: boolean

Default:

```
!config.services.xserver.enable
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/vmware−guest.nix>

virtualisation.vmware.host.enable
This enables VMware host virtualisation for running VMs.

Important
‘vmware−vmx’ will cause kcompactd0 due to ‘Transparent Hugepages’ feature in kernel. Apply ‘["transparent_hugepage=never"]’ in option **boot.kernelParams** to disable them.

Note

If that didn't work disable 'TRANSPARENT_HUGEPAGE', 'COMPACTION' configs and recompile kernel.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/vmware−host.nix>

virtualisation.vmware.host.package
The vmware−workstation package to use.

Type: package

Default:

```
pkgs.vmware−workstation
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/vmware−host.nix>

virtualisation.vmware.host.extraConfig
Add extra config to /etc/vmware/config

Type: strings concatenated with "\n"

Default:

```
""
```

Example:

```
  # Allow unsupported device's OpenGL and Vulkan acceleration for g \
uest vGPU
  mks.gl.allowUnsupportedDrivers = "TRUE"
  mks.vk.allowUnsupportedDevices = "TRUE"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/vmware−host.nix>

virtualisation.vmware.host.extraPackages
Extra packages to be used with VMware host.

Type: list of package

Default:

```
[ ]
```

Example:

```
"with pkgs; [ ntfs3g ]"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/vmware−host.nix>

virtualisation.vswitch.enable
Whether to enable Open vSwitch. A configuration daemon (ovs−server) will be started.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/openvswitch.nix>

virtualisation.vswitch.package
The openvswitch package to use.

Type: package

Default:

```
pkgs.openvswitch
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/openvswitch.nix>

virtualisation.vswitch.resetOnStart
Whether to reset the Open vSwitch configuration database to a default configuration on every start of the systemd ‘ovsdb.service’.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/openvswitch.nix>

virtualisation.waydroid.enable
Whether to enable Waydroid.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/waydroid.nix>

virtualisation.waydroid.package
The waydroid package to use.

Type: package

Default:

```
if config.networking.nftables.enable then pkgs.waydroid-nftables e \
lse pkgs.waydroid
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/waydroid.nix>

virtualisation.writableStore
If enabled, the Nix store in the VM is made writable by layering an overlay filesystem on top of the host’s Nix store.

By default, this is enabled if you mount a host Nix store.

Type: boolean

Default:

```
cfg.mountHostNixStore
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.writableStoreUseTmpfs
Use a tmpfs for the writable store instead of writing to the VM's own filesystem.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/qemu−vm.nix>

virtualisation.xen.enable
Whether to enable the Xen Project Hypervisor, a virtualisation technology defined as a *type−1 hypervisor*, which allows multiple virtual machines, known as *domains*, to run concurrently on the physical machine. NixOS runs as the privileged *Domain 0*. This option requires a reboot into a Xen kernel to take effect.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/xen−dom0.nix>

virtualisation.xen.package
The Xen Hypervisor package to use.

Type: package

Default:

```
pkgs.xen
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/xen−dom0.nix>

virtualisation.xen.boot.bios.path
Path to the Xen 'multiboot' binary used for BIOS booting. Unless you're building your own Xen derivation, you should leave this option as the default value.

Type: absolute path

Default:

```
${config.virtualisation.xen.package.boot}/${config.virtualisation.x \
en.package.multiboot}
```

Example:

```
${config.virtualisation.xen.package}/boot/xen−${config.virtualisat \
ion.xen.package.upstreamVersion}
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/xen−dom0.nix>

virtualisation.xen.boot.builderVerbosity

The boot entry builder script should be called with exactly one of the following arguments in order to specify its verbosity:

- ‘quiet’ supresses all messages.
- ‘default’ adds a simple “Installing Xen Project Hypervisor boot entries…done.” message to the script.
- ‘info’ is the same as ‘default’, but it also prints a diff with information on which generations were altered.
  - This option adds two extra dependencies to the script: ‘diffutils’ and ‘bat’.
- ‘debug’ prints information messages for every single step of the script.

This option does not alter the actual functionality of the script, just the number of messages printed when rebuilding the system.

Type: one of “default”, “info”, “debug”, “quiet”

Default:

```
"default"
```

Example:

```
"info"
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/xen-dom0.nix>

virtualisation.xen.boot.efi.path

Path to xen.efi. ‘pkgs.xen’ is patched to install the xen.efi file on ‘$boot/boot/xen.efi’, but an unpatched Xen build may install it somewhere else, such as ‘$out/boot/efi/efi/nixos/xen.efi’. Unless you’re building your own Xen derivation, you should leave this option as the default value.

Type: absolute path

Default:

```
${config.virtualisation.xen.package.boot}/${config.virtualisation.x \
en.package.efi}
```

Example:

```
${config.virtualisation.xen.package}/boot/efi/efi/nixos/xen-${conf \
ig.virtualisation.xen.package.upstreamVersion}.efi
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/xen-dom0.nix>

virtualisation.xen.boot.params

Xen Command Line parameters passed to Domain 0 at boot time.

> **Note**
> Note: these are different from **boot.kernelParams**. See the **Xen documentation** for more information.

Type: list of string

Default:

```
[ ]
```

Example:

```
[
  "iommu=force:true,qinval:true,debug:true"
  "noreboot=true"
```

```
  "vga=ask"
]
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/xen-dom0.nix>

virtualisation.xen.debug
Whether to enable Xen debug features for Domain 0. This option enables some hidden debugging tests and features, and should not be used in production.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/xen-dom0.nix>

virtualisation.xen.dom0Resources.maxMemory
Maximum amount of memory (in MiB) that Domain 0 can dynamically allocate to itself. Does nothing if set to the same amount as virtualisation.xen.memory, or if that option is set to 0.

Type: unsigned integer, meaning >=0

Default:

```
config.virtualisation.xen.dom0Resources.memory
```

Example:

```
1024
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/xen-dom0.nix>

virtualisation.xen.dom0Resources.maxVCPUs
Amount of virtual CPU cores allocated to Domain 0 on boot. If set to 0, all cores are assigned to Domain 0, and unprivileged domains will compete with Domain 0 for CPU time.

Type: unsigned integer, meaning >=0

Default:

Example:

```
4
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/xen-dom0.nix>

virtualisation.xen.dom0Resources.memory
Amount of memory (in MiB) allocated to Domain 0 on boot. If set to 0, all memory is assigned to Domain 0, and unprivileged domains will compete with Domain 0 for free RAM.

Type: unsigned integer, meaning >=0

Default:

Example:

```
512
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/xen−dom0.nix>

virtualisation.xen.domains.extraConfig
Options defined here will override the defaults for xendomains. The default options can be seen in the file included from /etc/default/xendomains.

Type: strings concatenated with “\n”

Default:

```
""
```

Example:

```
XENDOMAINS_SAVE=/persist/xen/save
XENDOMAINS_RESTORE=false
XENDOMAINS_CREATE_USLEEP=10000000
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/xen−dom0.nix>

virtualisation.xen.qemu.package
The QEMU (with Xen Hypervisor support) package to use.

Type: package

Default:

```
pkgs.qemu_xen
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/xen−dom0.nix>

virtualisation.xen.qemu.pidFile
Path to the QEMU PID file.

Type: absolute path

Default:

```
"/run/xen/qemu−dom0.pid"
```

Example:

```
"/var/run/xen/qemu−dom0.pid"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/xen−dom0.nix>

virtualisation.xen.store.path
Path to the Xen Store Daemon. This option is useful to switch between the legacy C−based Xen Store Daemon, and the newer OCaml−based Xen Store Daemon, ‘oxenstored’.

Type: absolute path

Default:

```
${config.virtualisation.xen.package}/bin/oxenstored
```

Example:

```
${config.virtualisation.xen.package}/bin/xenstored
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/xen−dom0.nix>

virtualisation.xen.store.settings

The OCaml−based Xen Store Daemon configuration. This option does nothing with the C−based ‘xenstored’.

Type: submodule

Default:

```
{ }
```

Example:

```
{
  conflict = {
    burstLimit = 15.0;
    maxHistorySeconds = 0.12;
  };
  enableMerge = false;
  quota = {
    enable = true;
    maxWatchEvents = 2048;
  };
  xenstored = {
    log = {
      file = "/dev/null";
      level = "info";
    };
  };
}
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/xen−dom0.nix>

virtualisation.xen.store.settings.enableMerge

Whether to enable transaction merge support.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/xen−dom0.nix>

virtualisation.xen.store.settings.conflict.burstLimit

Limits applied to domains whose writes cause other domains’ transaction commits to fail. Must include decimal point.

The burst limit is the number of conflicts a domain can cause to fail in a short period; this value is used for both the initial and the maximum value of each domain’s conflict−credit, which falls by one point for each conflict caused, and when it reaches zero the domain’s requests are ignored.

Type: nonnegative floating point number, meaning >=0

Default:

```
5.0
```

Example:

```
15.0
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/xen−dom0.nix>

virtualisation.xen.store.settings.conflict.maxHistorySeconds
Limits applied to domains whose writes cause other domains' transaction commits to fail. Must include decimal point.

The conflict−credit is replenished over time: one point is issued after each conflict.maxHistorySeconds, so this is the minimum pause−time during which a domain will be ignored.

Type: nonnegative floating point number, meaning >=0

Default:

```
0.05
```

Example:

```
1.0
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/xen−dom0.nix>

virtualisation.xen.store.settings.conflict.rateLimitIsAggregate
If the conflict.rateLimitIsAggregate option is 'true', then after each tick one point of conflict−credit is given to just one domain: the one at the front of the queue. If 'false', then after each tick each domain gets a point of conflict−credit.

In environments where it is known that every transaction will involve a set of nodes that is writable by at most one other domain, then it is safe to set this aggregate limit flag to 'false' for better performance. (This can be determined by considering the layout of the xenstore tree and permissions, together with the content of the transactions that require protection.)

A transaction which involves a set of nodes which can be modified by multiple other domains can suffer conflicts caused by any of those domains, so the flag must be set to 'true'.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/xen−dom0.nix>

virtualisation.xen.store.settings.perms.enable
Whether to enable the node permission system.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/xen−dom0.nix>

virtualisation.xen.store.settings.perms.enableWatch

Whether to enable the watch permission system.

When this is set to ‘true’, unprivileged guests can only get watch events for xenstore entries that they would’ve been able to read.

When this is set to ‘false’, unprivileged guests may get watch events for xenstore entries that they cannot read. The watch event contains only the entry name, not the value. This restores behaviour prior to **XSA−115**.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/xen−dom0.nix>

virtualisation.xen.store.settings.persistent

Whether to activate the filed base backend.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/xen−dom0.nix>

virtualisation.xen.store.settings.pidFile

Path to the Xen Store Daemon PID file.

Type: absolute path

Default:

```
"/run/xen/xenstored.pid"
```

Example:

```
"/var/run/xen/xenstored.pid"
```

Declared by:

<nixpkgs/nixos/modules/virtualisation/xen−dom0.nix>

virtualisation.xen.store.settings.quota.enable

Whether to enable the quota system.

Type: boolean

Default:

```
true
```

Example:

```
false
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/xen−dom0.nix>

virtualisation.xen.store.settings.quota.maxEntity
Entity limit for transactions.

Type: positive integer, meaning >0

Default:

```
1000
```

Example:

```
1024
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/xen−dom0.nix>

virtualisation.xen.store.settings.quota.maxOutstanding
Maximum outstanding requests, i.e. in−flight requests / domain.

Type: positive integer, meaning >0

Default:

```
1024
```

Example:

```
1024
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/xen−dom0.nix>

virtualisation.xen.store.settings.quota.maxPath
Path limit for the quota system.

Type: positive integer, meaning >0

Default:

```
1024
```

Example:

```
1024
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/xen−dom0.nix>

virtualisation.xen.store.settings.quota.maxRequests
Maximum number of requests per transaction.

Type: positive integer, meaning >0

Default:

```
1024
```

Example:

```
1024
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/xen−dom0.nix>

virtualisation.xen.store.settings.quota.maxSize
Size limit for transactions.

Type: positive integer, meaning >0

Default:

```
2048
```

Example:

```
4096
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/xen-dom0.nix>

virtualisation.xen.store.settings.quota.maxWatch
Maximum number of watches by the Xenstore Watchdog.

Type: positive integer, meaning >0

Default:

```
100
```

Example:

```
256
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/xen-dom0.nix>

virtualisation.xen.store.settings.quota.maxWatchEvents
Maximum number of outstanding watch events per watch.

Type: positive integer, meaning >0

Default:

```
1024
```

Example:

```
2048
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/xen-dom0.nix>

virtualisation.xen.store.settings.quota.transaction
Maximum number of transactions.

Type: positive integer, meaning >0

Default:

```
10
```

Example:

```
50
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/xen-dom0.nix>

virtualisation.xen.store.settings.ringScanInterval
Perodic scanning for all the rings as a safenet for lazy clients. Define the interval in seconds; set to a negative integer to disable.

Type: nonzero signed integer, meaning !=0

Default:

```
20
```

Example:

```
30
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/xen-dom0.nix>

virtualisation.xen.store.settings.xenstored.accessLog.file
Path to the Xen Store access log file.

Type: absolute path

Default:

```
"/var/log/xen/xenstored-access.log"
```

Example:

```
"/var/log/security/xenstored-access.log"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/xen-dom0.nix>

virtualisation.xen.store.settings.xenstored.log.file
Path to the Xen Store log file.

Type: absolute path

Default:

```
"/var/log/xen/xenstored.log"
```

Example:

```
"/dev/null"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/xen-dom0.nix>

virtualisation.xen.store.settings.xenstored.log.level
Logging level for the Xen Store.

Type: null or one of “debug”, “info”, “warn”, “error”

Default:

```
if (config.virtualisation.xen.trace == true) then "debug" else null
```

Example:

```
"error"
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/xen-dom0.nix>

virtualisation.xen.trace
Whether to enable Xen debug tracing and logging for Domain 0.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/virtualisation/xen−dom0.nix>

xdg.autostart.enable
Whether to install files to support the **XDG Autostart specification**.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/config/xdg/autostart.nix>

xdg.icons.enable
Whether to install files to support the **XDG Icon Theme specification**.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/config/xdg/icons.nix>

xdg.icons.fallbackCursorThemes
Names of the fallback cursor themes, in order of preference, to be used when no other icon source can be found. Set to '[]' to disable the fallback entirely.

Type: list of string

Default:

```
[ ]
```

Declared by:
<nixpkgs/nixos/modules/config/xdg/icons.nix>

xdg.menus.enable
Whether to install files to support the **XDG Desktop Menu specification**.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/config/xdg/menus.nix>

xdg.mime.enable
Whether to install files to support the **XDG Shared MIME−info specification** and the **XDG MIME Applications specification**.

Type: boolean

Default:

```
true
```

Declared by:
<nixpkgs/nixos/modules/config/xdg/mime.nix>

xdg.mime.addedAssociations

Adds associations between mimetypes and applications. See the **specifications** for more information. Globs in all variations are supported.

Type: attribute set of (string or ((list of string) or string) convertible to it)

Default:

```
{ }
```

Example:

```
{
  "application/pdf" = "firefox.desktop";
  "text/*" = [
    "nvim.desktop"
    "codium.desktop"
  ];
}
```

Declared by:

<nixpkgs/nixos/modules/config/xdg/mime.nix>

xdg.mime.defaultApplications

Sets the default applications for given mimetypes. See the **specifications** for more information. Globs in all variations are supported.

Type: attribute set of (string or ((list of string) or string) convertible to it)

Default:

```
{ }
```

Example:

```
{
  "application/pdf" = "firefox.desktop";
  "image/*" = [
    "sxiv.desktop"
    "gimp.desktop"
  ];
}
```

Declared by:

<nixpkgs/nixos/modules/config/xdg/mime.nix>

xdg.mime.removedAssociations

Removes associations between mimetypes and applications. See the **specifications** for more information. Globs in all variations are supported.

Type: attribute set of (string or ((list of string) or string) convertible to it)

Default:

```
{ }
```

Example:

```
{
  "audio/*" = [
    "mpv.desktop"
    "umpv.desktop"
  ];
  "inode/directory" = "codium.desktop";
```

```
}
```

Declared by:

<nixpkgs/nixos/modules/config/xdg/mime.nix>

xdg.portal.enable

Whether to enable **xdg desktop integration**.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/config/xdg/portal.nix>

xdg.portal.config

Sets which portal backend should be used to provide the implementation for the requested interface. For details check **portals.conf**(5).

Configs will be linked to */etc/xdg/xdg-desktop-portal/* with the name *$desktop-portals.conf* for *xdg.portal.config.$desktop* and *portals.conf* for *xdg.portal.config.common* as an exception.

Type: attribute set of attribute set of (string or ((list of string) or string) convertible to it)

Default:

```
{ }
```

Example:

```
{
  common = {
    default = [
      "gtk"
    ];
  };
  pantheon = {
    default = [
      "pantheon"
      "gtk"
    ];
    "org.freedesktop.impl.portal.Secret" = [
      "gnome-keyring"
    ];
  };
  x-cinnamon = {
    default = [
      "xapp"
      "gtk"
    ];
  };
}
```

Declared by:

<nixpkgs/nixos/modules/config/xdg/portal.nix>

xdg.portal.configPackages

List of packages that provide XDG desktop portal configuration, usually in the form of *share/xdg−desktop−portal/$desktop−portals.conf*.

Note that configs in ‘xdg.portal.config’ will be preferred if set.

Type: list of package

Default:

```
[ ]
```

Example:

```
[ pkgs.gnome-session ]
```

Declared by:

<nixpkgs/nixos/modules/config/xdg/portal.nix>

xdg.portal.extraPortals

List of additional portals to add to path. Portals allow interaction with system, like choosing files or taking screenshots. At minimum, a desktop portal implementation should be listed. GNOME and KDE already adds ‘xdg−desktop−portal−gtk’; and ‘xdg−desktop−portal−kde’ respectively. On other desktop environments you probably want to add them yourself.

Type: list of package

Default:

```
[ ]
```

Declared by:

<nixpkgs/nixos/modules/config/xdg/portal.nix>

xdg.portal.lxqt.enable

Whether to enable the desktop portal for the LXQt desktop environment.

This will add the ‘lxqt.xdg−desktop−portal−lxqt’ package (with the extra Qt styles) into the **xdg.portal.extraPortals** option .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/config/xdg/portals/lxqt.nix>

xdg.portal.lxqt.styles

Extra Qt styles that will be available to the ‘lxqt.xdg−desktop−portal−lxqt’.

Type: list of package

Default:

```
[ ]
```

Example:

```
[
  pkgs.libsForQt5.qtstyleplugin-kvantum
  pkgs.breeze-qt5
  pkgs.qtcurve
];
```

Declared by:
<nixpkgs/nixos/modules/config/xdg/portals/lxqt.nix>

xdg.portal.wlr.enable
Whether to enable desktop portal for wlroots−based desktops.

This will add the ‘xdg−desktop−portal−wlr’ package into the **xdg.portal.extraPortals** option, and provide the configuration file .

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:
<nixpkgs/nixos/modules/config/xdg/portals/wlr.nix>

xdg.portal.wlr.settings
Configuration for ‘xdg−desktop−portal−wlr’.

See **xdg−desktop−portal−wlr**(5) for supported values.

Type: open submodule of attribute set of section of an INI file (attrs of INI atom (null, bool, int, float or string))

Default:

```
{ }
```

Example:

```
{
  screencast = {
    output_name = "HDMI−A−1";
    max_fps = 30;
    exec_before = "disable_notifications.sh";
    exec_after = "enable_notifications.sh";
    chooser_type = "simple";
    chooser_cmd = "${pkgs.slurp}/bin/slurp −f 'Monitor: %o' −or";
  };
}
```

Declared by:
<nixpkgs/nixos/modules/config/xdg/portals/wlr.nix>

xdg.portal.xdgOpenUsePortal
Sets environment variable ‘NIXOS_XDG_OPEN_USE_PORTAL’ to ‘1’ This will make ‘xdg−open’ use the portal to open programs, which resolves bugs involving programs opening inside FHS envs or with unexpected env vars set from wrappers. See **#160923** for more info.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/config/xdg/portal.nix>

xdg.sounds.enable

Whether to install files to support the **XDG Sound Theme specification**.

Type: boolean

Default:

```
true
```

Declared by:

<nixpkgs/nixos/modules/config/xdg/sounds.nix>

xdg.terminal−exec.enable

Whether to enable xdg−terminal−exec, the **proposed** Default Terminal Execution Specification.

Type: boolean

Default:

```
false
```

Example:

```
true
```

Declared by:

<nixpkgs/nixos/modules/config/xdg/terminal−exec.nix>

xdg.terminal−exec.package

The xdg−terminal−exec package to use.

Type: package

Default:

```
pkgs.xdg−terminal−exec
```

Declared by:

<nixpkgs/nixos/modules/config/xdg/terminal−exec.nix>

xdg.terminal−exec.settings

Configuration options for the Default Terminal Execution Specification.

The keys are the desktop environments that are matched (case−insensitively) against '$XDG_CURRENT_DESKTOP', or 'default' which is used when the current desktop environment is not found in the configuration. The values are a list of terminals' **desktop file IDs** to try in order of decreasing priority.

Type: attribute set of list of string

Default:

```
{ }
```

Example:

```
{
  GNOME = [
    "com.raggesilver.BlackBox.desktop"
    "org.gnome.Terminal.desktop"
  ];
  default = [
    "kitty.desktop"
  ];
}
```

Declared by:
<nixpkgs/nixos/modules/config/xdg/terminal−exec.nix>

zramSwap.enable
Enable in−memory compressed devices and swap space provided by the zram kernel module. See **https://www.kernel.org/doc/Documentation/blockdev/zram.txt**.

Type: boolean

Default:

```
false
```

Declared by:
<nixpkgs/nixos/modules/config/zram.nix>

zramSwap.algorithm
Compression algorithm. ‘lzo’ has good compression, but is slow. ‘lz4’ has bad compression, but is fast. ‘zstd’ is both good compression and fast, but requires newer kernel. You can check what other algorithms are supported by your zram device with **cat /sys/class/block/zram*/comp_algorithm**

Type: one of “842”, “lzo”, “lzo−rle”, “lz4”, “lz4hc”, “zstd” or string

Default:

```
"zstd"
```

Example:

```
"lz4"
```

Declared by:
<nixpkgs/nixos/modules/config/zram.nix>

zramSwap.memoryMax
Maximum total amount of memory (in bytes) that can be stored in the zram swap devices. If set, the smaller one of this option and memoryPercent would be used. This doesn’t define how much memory will be used by the zram swap devices.

Type: null or signed integer

Default:

```
null
```

Declared by:
<nixpkgs/nixos/modules/config/zram.nix>

zramSwap.memoryPercent
Maximum total amount of memory that can be stored in the zram swap devices (as a percentage of your total memory). Defaults to 1/2 of your total RAM. Run ‘zramctl’ to check how good memory is compressed. This doesn’t define how much memory will be used by the zram swap devices.

Type: positive integer, meaning >0

Default:

```
50
```

Declared by:
<nixpkgs/nixos/modules/config/zram.nix>

zramSwap.priority

Priority of the zram swap devices. It should be a number higher than the priority of your disk−based swap devices (so that the system will fill the zram swap devices before falling back to disk swap).

Type: signed integer

Default:

```
5
```

Declared by:

<nixpkgs/nixos/modules/config/zram.nix>

zramSwap.swapDevices

Number of zram devices to be used as swap, recommended is 1.

Type: signed integer

Default:

```
1
```

Declared by:

<nixpkgs/nixos/modules/config/zram.nix>

zramSwap.writebackDevice

Write incompressible pages to this device, as there’s no gain from keeping them in RAM.

Type: null or absolute path

Default:

```
null
```

Example:

```
"/dev/zvol/tarta−zoot/swap−writeback"
```

Declared by:

<nixpkgs/nixos/modules/config/zram.nix>

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