

## NAME

apt - command-line interface

## SYNOPSIS

```
apt [-h] [-o=config_string] [-c=config_file] [-t=target_release] [-a=architecture] {list | search | show |
update | install pkg [{=pkg_version_number | /target_release}]... | remove pkg... | upgrade | full-upgrade
| edit-sources | {-v | --version} | {-h | --help}}
```

## DESCRIPTION

**apt** (Advanced Package Tool) is the command-line tool for handling packages. It provides a commandline interface for the package management of the system. See also [apt-get\(8\)](#) and [apt-cache\(8\)](#) for more low-level command options.

### list

list is used to display a list of packages. It supports shell pattern for matching package names and the following options: **--installed**, **--upgradable**, **--all-versions** are supported.

### search

search searches for the given term(s) and display matching packages.

### show

show shows the package information for the given package(s).

### install

install is followed by one or more package names desired for installation or upgrading.

A specific version of a package can be selected for installation by following the package name with an equals and the version of the package to select. This will cause that version to be located and selected for install. Alternatively a specific distribution can be selected by following the package name with a slash and the version of the distribution or the Archive name (stable, testing, unstable).

### remove

remove is identical to install except that packages are removed instead of installed. Note that removing a package leaves its configuration files on the system. If a plus sign is appended to the package name (with no intervening space), the identified package will be installed instead of removed.

### edit-sources

edit-sources lets you edit your sources.list file and provides basic sanity checks.

### update

update is used to resynchronize the package index files from their sources.

### upgrade

upgrade is used to install the newest versions of all packages currently installed on the system from the sources enumerated in /etc/apt/sources.list. New packages will be installed, but existing packages will never be removed.

### full-upgrade

full-upgrade performs the function of upgrade but may also remove installed packages if that is required in order to resolve a package conflict.

## OPTIONS

All command line options may be set using the configuration file, the descriptions indicate the configuration option to set. For boolean options you can override the config file by using something like **-f**, **--no-f**, **-f=no** or several other variations.

### -h, --help

Show a short usage summary.

### -v, --version

Show the program version.

### -c, --config-file

Configuration File; Specify a configuration file to use. The program will read the default configuration

file and then this configuration file. If configuration settings need to be set before the default configuration files are parsed specify a file with the **APT\_CONFIG** environment variable. See **apt.conf(5)** for syntax information.

**-o, --option**

Set a Configuration Option; This will set an arbitrary configuration option. The syntax is **-o Foo::Bar=bar**. **-o** and **--option** can be used multiple times to set different options.

**SCRIPT USAGE**

The **apt(8)** commandline is designed as a end-user tool and it may change the output between versions. While it tries to not break backward compatibility there is no guarantee for it either. All features of **apt(8)** are available in **apt-cache(8)** and **apt-get(8)** via APT options. Please prefer using these commands in your scripts.

**DIFFERENCES TO APT-GET(8)**

The **apt** command is meant to be pleasant for end users and does not need to be backward compatible like **apt-get(8)**. Therefore some options are different:

- The option **DPkg::Progress-Fancy** is enabled.
- The option **APT::Color** is enabled.
- A new list command is available similar to **dpkg --list**.
- The option **upgrade** has **--with-new-pkgs** enabled by default.

**SEE ALSO**

**apt-get(8)**, **apt-cache(8)**, **sources.list(5)**, **apt.conf(5)**, **apt-config(8)**, The APT User's guide in **/usr/share/doc/apt-doc/**, **apt\_preferences(5)**, the APT Howto.

**DIAGNOSTICS**

**apt** returns zero on normal operation, decimal 100 on error.

**BUGS**

**APT bug page**<sup>[1]</sup>. If you wish to report a bug in APT, please see **/usr/share/doc/debian/bug-reporting.txt** or the **reportbug(1)** command.

**AUTHOR**

**APT team**

**NOTES**

1. APT bug page  
<http://bugs.debian.org/src:apt>