NAME

idmapd.conf - configuration file for libnfsidmap

SYNOPSIS

Configuration file for libnfsidmap. Used by idmapd and svcgssd to map NFSv4 name to and from ids.

DESCRIPTION

The **idmapd.conf** configuration file consists of several sections, initiated by strings of the form [General] and [Mapping]. Each section may contain lines of the form
variable = value
The recognized sections and their recognized variables are as follows:

[General] section variables

Verbosity

Verbosity level of debugging (Default: 0)

Domain

The local NFSv4 domain name. An NFSv4 domain is a namespace with a unique username<->UID and groupname<->GID mapping. (Default: Host's fully-qualified DNS domain name)

Local-Realms

A comma-separated list of Kerberos realm names that may be considered equivalent to the local realm name. For example, users juser@ORDER.EDU and juser@MAIL.ORDER.EDU may be considered to be the same user in the specified **Domain.** (Default: the host's default realm name)
Note: If a value is specified here, the default local realm must be included as well.

[Mapping] section variables

Nobody-User

Local user name to be used when a mapping cannot be completed.

Nobody-Group

Local group name to be used when a mapping cannot be completed.

[Translation] section variables

Method

A comma-separated, ordered list of mapping methods (plug-ins) to use when mapping between NFSv4 names and local IDs. Each specified method is tried in order until a mapping is found, or there are no more methods to try. The methods included in the default distribution include nsswitch, umich_ldap, and static. (Default: nsswitch)

GSS-Methods

An optional comma-separated, ordered list of mapping methods (plug-ins) to use when mapping between GSS Authenticated names and local IDs. (Default: the same list as specified for **Method)**

[Static] section variables

The static translation method uses a static list of GSS-Authenticated names to local user names. Entries in the list are of the form:
principal@REALM = localusername

[UMICH_SCHEMA] section variables

If the umich_ldap translation method is specified, the following variables within the [UMICH_SCHEMA] section are used.

LDAP_server

LDAP server name or address (Required if using UMICH_LDAP)

LDAP_base
Absolute LDAP search base. (Required if using UMICH_LDAP)

LDAP_people_base
Absolute LDAP search base for people accounts. (Default: The**LD AP_base** value)

LDAP_group_base
Absolute LDAP search base for group accounts. (Default: The**LD AP_base** value)

LDAP_canonicalize_name
Whether or not to perform name canonicalization on the name given as **LDAP_server** (Default: true)

LDAP_use_ssl
Set to true to enable SSL communication with the LDAP server. (Default: false)

LDAP_ca_cert
Location of a trusted CA certificate used when SSL is enabled (Required if **LDAP_use_ssl** is true)

NFSv4_person_objectclass
The object class name for people accounts in your local LDAP schema (Default: NFSv4RemotePerson)

NFSv4_name_attr
Your local schema's attribute name to be used for NFSv4 user names (Default: NFSv4Name)

NFSv4_uid_attr
Your local schema's attribute name to be used for uidNumber (Default: uidNumber)

GSS_principal_attr
Your local schema's attribute name for GSSAPI Principal names (Default: GSSAuthName)

NFSv4_acctname_attr
Your local schema's attribute name to be used for account names (Default: uid)

NFSv4_group_objectclass
The object class name for group accounts in your local LDAP schema (Default: NFSv4RemoteGroup)

NFSv4_gid_attr
Your local schema's attribute name to be used for gidNumber (Default: gidNumber)

NFSv4_group_attr
Your local schema's attribute name to be used for NFSv4 group names (Default: NFSv4Name)

LDAP_use_memberof_for_groups
Some LDAP servers do a better job with indexing where searching through all the groups searching for the user in the memberuid list. Others like SunOne directory that search can takes minutes if there are thousands of groups. So setting **LDAP_use_memberof_for_groups** to true in the configuration file will use the memberof lists of the account and search through only those groups to obtain gids. (Default: false)

NFSv4_member_attr
If **LDAP_use_memberof_for_groups** is true, this is the attribute to be searched for. (Default: memberUid)

NFSv4_grouplist_filter
An optional search filter for determining group membership. (No Default)

LDAP_timeout_seconds
Number of seconds before timing out an LDAP request (Default: 4)

EXAMPLES

An example */etc/idmapd.conf* file:

```
[General]

Verbosity = 0
Domain = domain.org
Local-Realms = DOMAIN.ORG,MY.DOMAIN.ORG,YOUR.DOMAIN.ORG

[Mapping]

Nobody-User = nfsnobody
Nobody-Group = nfsnobody

[Translation]

Method = umich_ldap,nsswitch
GSS-Methods = umich_ldap,static

[Static]

johndoe@OTHER.DOMAIN.ORG = johnny

[UMICH_SCHEMA]

LDAP_server = ldap.domain.org
LDAP_base = dc=org,dc=domain
```

SEE ALSO

idmapd(8) svcgssd(8)

BUGS

Report bugs to <nfsv4@linux-nfs.org>