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Rocky Enterprise Linux 9.2 Manual Pages on command 'nss.5'

\$ man nss.5

NSS(5) Linux Programmer's Manual

NSS(5)

NAME

nss - Name Service Switch configuration file

DESCRIPTION

Each call to a function which retrieves data from a system database like the password or group database is handled by the Name Service Switch implementation in the GNU C library. The various services provided are implemented by independent modules, each of which naturally varies widely from the other.

The default implementations coming with the GNU C library are by default conservative and do not use unsafe data. This might be very costly in some situations, especially when the databases are large. Some modules allow the system administrator to request taking short cuts if these are known to be safe. It is then the system administrator's responsibility to ensure the assumption is correct.

There are other modules where the implementation changed over time. If an implementation used to sacrifice speed for memory consumption, it might create problems if the preference is switched.

The /etc/default/nss file contains a number of variable assignments. Each variable controls the behavior of one or more NSS modules. White spaces are ignored. Lines beginning with '#' are treated as comments.

The variables currently recognized are:

NETID AUTHORITATIVE = TRUE/FAKE

If set to TRUE, the NIS backend for the `initgroups(3)` function will accept the `in?`

formation from the `netidbyname` NIS map as authoritative. This can speed up the

function significantly if the group.bname map is large. The content of the netid.bname map is used as is. The system administrator has to make sure it is correctly generated.

SERVICES_AUTHORITATIVE = TRUE|FALSE

If set to TRUE, the NIS backend for the getservbyname(3) and getservbyname_r(3) functions will assume that the services.byservicename NIS map exists and is authoritative, particularly that it contains both keys with /proto and without /proto for both primary service names and service aliases. The system administrator has to make sure it is correctly generated.

SETENT_BATCH_READ = TRUE|FALSE

If set to TRUE, the NIS backend for the setpwent(3) and setgrent(3) functions will read the entire database at once and then hand out the requests one by one from memory with every corresponding getpwent(3) or getgrent(3) call respectively. Otherwise, each getpwent(3) or getgrent(3) call might result in a network communication with the server to get the next entry.

FILES

/etc/default/nss

EXAMPLES

The default configuration corresponds to the following configuration file:

```
NETID_AUTHORITATIVE=FALSE
SERVICES_AUTHORITATIVE=FALSE
SETENT_BATCH_READ=FALSE
```

SEE ALSO

nsswitch.conf

COLOPHON

This page is part of release 5.10 of the Linux man-pages project. A description of the project, information about reporting bugs, and the latest version of this page, can be found at <https://www.kernel.org/doc/man-pages/>.