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Rocky Enterprise Linux 9.2 Manual Pages on command 'getent.1'

\$ man getent.1

GETENT(1)

User Commands

GETENT(1)

NAME

getent - get entries from Name Service Switch libraries

SYNOPSIS

getent [option]... database key...

DESCRIPTION

The getent command displays entries from databases supported by the Name Service Switch libraries, which are configured in /etc/nsswitch.conf. If one or more key arguments are provided, then only the entries that match the supplied keys will be displayed. Otherwise, if no key is provided, all entries will be displayed (unless the database does not support enumeration).

The database may be any of those supported by the GNU C Library, listed below:

ahosts When no key is provided, use sethostent(3), gethostent(3), and endhostent(3)

to enumerate the hosts database. This is identical to using hosts. When one

or more key arguments are provided, pass each key in succession to getaddrinfo(3) with the address family AF_UNSPEC, enumerating each socket address

structure returned.

ahostsv4 Same as ahosts, but use the address family AF_INET.

ahostsv6 Same as ahosts, but use the address family AF_INET6. The call to getaddrinfo(3) in this case includes the AI_V4MAPPED flag.

aliases When no key is provided, use setaliasent(3), getaliasent(3), and endaliasent(3) to enumerate the aliases database. When one or more key arguments are provided, pass each key in succession to getaliasbyname(3) and endaliasent(3).

dns When no key is provided, use setdnsent(3), getdnsent(3), and enddnsent(3) to enumerate the dns database. When one or more key arguments are provided, pass each key in succession to getdnsbyname(3) and enddnsent(3).

play the result.

ethers When one or more key arguments are provided, pass each key in succession to ether_aton(3) and ether_hosston(3) until a result is obtained, and display the result. Enumeration is not supported on ethers, so a key must be provided.

group When no key is provided, use setgrent(3), getgrent(3), and endgrent(3) to enumerate the group database. When one or more key arguments are provided, pass each numeric key to getgrgid(3) and each nonnumeric key to getgrnam(3) and display the result.

gshadow When no key is provided, use setsgent(3), getsgent(3), and endsgent(3) to enumerate the gshadow database. When one or more key arguments are provided, pass each key in succession to getsgnam(3) and display the result.

hosts When no key is provided, use sethostent(3), gethostent(3), and endhostent(3) to enumerate the hosts database. When one or more key arguments are provided, pass each key to gethostbyaddr(3) or gethostbyname2(3), depending on whether a call to inet_pton(3) indicates that the key is an IPv6 or IPv4 address or not, and display the result.

initgroups

When one or more key arguments are provided, pass each key in succession to getgrouplist(3) and display the result. Enumeration is not supported on initgroups, so a key must be provided.

netgroup When one key is provided, pass the key to setnetgrent(3) and, using getnetgrent(3) display the resulting string triple (hostname, username, domain name). Alternatively, three keys may be provided, which are interpreted as the hostname, username, and domainname to match to a netgroup name via in? netgr(3). Enumeration is not supported on netgroup, so either one or three keys must be provided.

networks When no key is provided, use setnetent(3), getnetent(3), and endnetent(3) to enumerate the networks database. When one or more key arguments are provided, pass each numeric key to getnetbyaddr(3) and each nonnumeric key to getnetbyname(3) and display the result.

passwd When no key is provided, use setpwent(3), getpwent(3), and endpwent(3) to enumerate the passwd database. When one or more key arguments are provided,

pass each numeric key to `getpwuid(3)` and each nonnumeric key to `getpwnam(3)` and display the result.

protocols When no key is provided, use `setprotoent(3)`, `getprotoent(3)`, and `endprotoent(3)` to enumerate the protocols database. When one or more key arguments are provided, pass each numeric key to `getprotobynumber(3)` and each nonnumeric key to `getprotobyname(3)` and display the result.

rpc When no key is provided, use `setrpcent(3)`, `getrpcent(3)`, and `endrpcent(3)` to enumerate the rpc database. When one or more key arguments are provided, pass each numeric key to `getrpcbynumber(3)` and each nonnumeric key to `getrpcbyname(3)` and display the result.

services When no key is provided, use `setservent(3)`, `getservent(3)`, and `endservent(3)` to enumerate the services database. When one or more key arguments are provided, pass each numeric key to `getservbynumber(3)` and each nonnumeric key to `getservbyname(3)` and display the result.

shadow When no key is provided, use `setsspent(3)`, `getspent(3)`, and `endspent(3)` to enumerate the shadow database. When one or more key arguments are provided, pass each key in succession to `getspnam(3)` and display the result.

OPTIONS

-s service, --service service

Override all databases with the specified service. (Since glibc 2.2.5.)

-s database:service, --service database:service

Override only specified databases with the specified service. The option may be used multiple times, but only the last service for each database will be used. (Since glibc 2.4.)

-i, --no-idn

Disables IDN encoding in lookups for `ahosts/getaddrinfo(3)` (Since glibc-2.13.)

-?, --help

Print a usage summary and exit.

--usage

Print a short usage summary and exit.

-V, --version

Print the version number, license, and disclaimer of warranty for getent.

One of the following exit values can be returned by getent:

- 0 Command completed successfully.
- 1 Missing arguments, or database unknown.
- 2 One or more supplied key could not be found in the database.
- 3 Enumeration not supported on this database.

SEE ALSO

[nsswitch.conf\(5\)](#)

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/>.

Linux

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