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 display the result.

ethers   When one or more *key* arguments are provided, pass each *key* in succession to **ether_aton**(3) and **ether_hostton**(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*, *domainname*). Alternatively, three *keys* may be provided, which are interpreted as the *hostname*, *username* and *domainname* to match to a netgroup name via **innetgr**(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 **setspent**(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**.

EXIT STATUS

> 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 5.02 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/.