



Linux Ubuntu 26.04 Manual Pages on command 'getnetent.3'

\$ man getnetent.3

getnetent(3) Library Functions Manual getnetent(3)

NAME

getnetent, getnetbyname, getnetbyaddr, setnetent, endnetent - get network entry

LIBRARY

Standard C library (libc, -lc)

SYNOPSIS

```
#include <netdb.h>

struct netent *getnetent(void);

struct netent *getnetbyname(const char *name);

struct netent *getnetbyaddr(uint32_t net, int type);

void setnetent(int stayopen);

void endnetent(void);
```

DESCRIPTION

The `getnetent()` function reads the next entry from the networks database and returns a `netent` structure containing the broken-out fields from the entry. A connection is opened to the database if necessary.

The `getnetbyname()` function returns a `netent` structure for the entry from the database that matches the network name.

The `getnetbyaddr()` function returns a `netent` structure for the entry from the database that matches the network number `net` of type `type`. The `net` argument must be in host byte order.

The `setnetent()` function opens a connection to the database, and sets the next entry to the first entry. If `stayopen` is nonzero, then the connection to the database will not be closed between calls to one of the `getnet*()` functions.

The netent structure is defined in <netdb.h> as follows:

The members of the netent structure are:

n aliases

A NULL-terminated list of alternative names for the network.

n addrtype

The type of the network number; always AF_INET.

n net The network number in host byte order.

RETURN VALUE

The `getnetent()`, `getnetbyname()`, and `getnetbyaddr()` functions return a pointer to a statically allocated `netent` structure, or a null pointer if an error occurs or the end of the file is reached.

FILES

```
/etc/networks
```

networks database file

ATTRIBUTES

For an explanation of the terms used in this section, see `attributes(7)`.

[illegible]

?	Interface	?	Attribute	?	Value	?

[illegible]

? getnetent() ? Thread safety ? MT-Unsafe race:netent race:netentbuf env ?

? ? ? locale ?

[illegible]

? getnetbyname()	? Thread safety ? MT-Unsafe race:netbyname env locale	?
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[illegible]

? getnetbyaddr() ? Thread safety ? MT-Unsafe race:netbyaddr locale ? *Page 2/3*

