

**NAME**

**getnetgrent**, **innetgr**, **setnetgrent**, **endnetgrent** - netgroup database operations

**LIBRARY**

Standard C Library (libc, -lc)

**SYNOPSIS**

```
#include <netdb.h>
```

*int*

```
getnetgrent(char **host, char **user, char **domain);
```

*int*

```
getnetgrent_r(char **host, char **user, char **domain, char *buf, size_t bufsize);
```

*int*

```
innetgr(const char *netgroup, const char *host, const char *user, const char *domain);
```

*void*

```
setnetgrent(const char *netgroup);
```

*void*

```
endnetgrent(void);
```

**DESCRIPTION**

These functions operate on the netgroup database file */etc/netgroup* which is described in [netgroup\(5\)](#). The database defines a set of netgroups, each made up of one or more triples:

(host, user, domain)

that defines a combination of host, user and domain. Any of the three fields may be specified as “wildcards” that match any string.

The function **getnetgrent()** sets the three pointer arguments to the strings of the next member of the current netgroup. If any of the string pointers are NULL that field is considered a wildcard.

The functions **setnetgrent()** and **endnetgrent()** set the current netgroup and terminate the current netgroup respectively. If **setnetgrent()** is called with a different netgroup than the previous call, an implicit **endnetgrent()** is implied. The **setnetgrent()** function also sets the offset to the first member of the netgroup.

The function **innetgr()** searches for a match of all fields within the specified group. If any of the **host**, **user**, or **domain** arguments are NULL those fields will match any string value in the netgroup member.

## RETURN VALUES

The function **getnetgrent()** returns 0 for “no more netgroup members” and 1 otherwise. The function **innetgr()** returns 1 for a successful match and 0 otherwise. The functions **setnetgrent()** and **endnetgrent()** have no return value.

## FILES

*/etc/netgroup* netgroup database file

## COMPATIBILITY

The netgroup members have three string fields to maintain compatibility with other vendor implementations, however it is not obvious what use the **domain** string has within BSD.

## SEE ALSO

netgroup(5)

## BUGS

The function **getnetgrent()** returns pointers to dynamically allocated data areas that are freed when the function **endnetgrent()** is called.