

NAME

fgetgrent – get group file entry

LIBRARY

Standard C library (*libc*, *-lc*)

SYNOPSIS

```
#include <stdio.h>
#include <sys/types.h>
#include <grp.h>
```

```
struct group *fgetgrent(FILE *stream);
```

Feature Test Macro Requirements for glibc (see **feature_test_macros(7)**):

fgetgrent():

Since glibc 2.19:

 _DEFAULT_SOURCE

glibc 2.19 and earlier:

 _SVID_SOURCE

DESCRIPTION

The **fgetgrent()** function returns a pointer to a structure containing the group information from the file referred to by *stream*. The first time it is called it returns the first entry; thereafter, it returns successive entries. The file referred to by *stream* must have the same format as */etc/group* (see **group(5)**).

The *group* structure is defined in *<grp.h>* as follows:

```
struct group {
    char    *gr_name;           /* group name */
    char    *gr_passwd;        /* group password */
    gid_t   gr_gid;            /* group ID */
    char    **gr_mem;           /* NULL-terminated array of pointers
                                to names of group members */
};
```

RETURN VALUE

The **fgetgrent()** function returns a pointer to a *group* structure, or NULL if there are no more entries or an error occurs. In the event of an error, *errno* is set to indicate the error.

ERRORS**ENOMEM**

Insufficient memory to allocate *group* structure.

ATTRIBUTES

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

Interface	Attribute	Value
fgetgrent()	Thread safety	MT-Unsafe race:fgetgrent

STANDARDS

SVr4.

SEE ALSO

endgrent(3), **fgetgrent_r(3)**, **fopen(3)**, **getgrent(3)**, **getgrgid(3)**, **getgrnam(3)**, **putgrent(3)**, **setgrent(3)**, **group(5)**