

**NAME**

fgetgrent – get group file entry

**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 cause.

**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
<b>fgetgrent()</b>	Thread safety	MT-Unsafe race:fgetgrent

**CONFORMING TO**

SVr4.

**SEE ALSO**

[endgrent\(3\)](#), [fgetgrent\\_r\(3\)](#), [fopen\(3\)](#), [getgrent\(3\)](#), [getgrgid\(3\)](#), [getgrnam\(3\)](#), [putgrent\(3\)](#), [setgrent\(3\)](#), [group\(5\)](#)

**COLOPHON**

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