

NAME

fgetpwent – get password file entry

SYNOPSIS

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

```
struct passwd *fgetpwent(FILE *stream);
```

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

fgetpwent():

Since glibc 2.19:

 _DEFAULT_SOURCE

Glibc 2.19 and earlier:

 _SVID_SOURCE

DESCRIPTION

The **fgetpwent()** function returns a pointer to a structure containing the broken out fields of a line in the file *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/passwd* (see **passwd(5)**).

The *passwd* structure is defined in *<pwd.h>* as follows:

```
struct passwd {
    char    *pw_name;          /* username */
    char    *pw_passwd;        /* user password */
    uid_t   pw_uid;            /* user ID */
    gid_t   pw_gid;            /* group ID */
    char    *pw_gecos;         /* real name */
    char    *pw_dir;           /* home directory */
    char    *pw_shell;         /* shell program */
};
```

RETURN VALUE

The **fgetpwent()** function returns a pointer to a *passwd* 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 *passwd* structure.

FILES

/etc/passwd

password database file

ATTRIBUTES

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

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

CONFORMING TO

SVr4.

SEE ALSO

endpwent(3), **fgetpwent_r(3)**, **fopen(3)**, **getpw(3)**, **getpwent(3)**, **getpwnam(3)**, **getpwuid(3)**, **putpwent(3)**, **setpwent(3)**, **passwd(5)**

COLOPHON

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