

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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<https://www.kernel.org/doc/man-pages/>.