

**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(): _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

**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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