



Linux Ubuntu 26.04 Manual Pages on command 'fgetpwent.3'

\$ man fgetpwent.3

fgetpwent(3) Library Functions Manual fgetpwent(3)

NAME

fgetpwent - get password file entry

LIBRARY

Standard C library (libc, -lc)

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 error.

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
<code>fgetpwent()</code>	Thread safety	MT-Unsafe race:fgetpwent

STANDARDS

None.

HISTORY

SVr4.

SEE ALSO

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