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## **Red Hat Enterprise Linux Release 9.2 Manual Pages on 'fgetpwent.3' command**

**\$ man fgetpwent.3**

FGETPWENT(3)      Linux Programmer's Manual      FGETPWENT(3)

### 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)`, `getpw?`  
`nam(3)`, `getpwuid(3)`, `putpwent(3)`, `setpwent(3)`, `passwd(5)`

## COLOPHON

This page is part of release 5.10 of the Linux man-pages project. A description of the project, information about reporting bugs, and the latest version of this page, can be found at

