## NAME

getfsent, getfsspec, getfsfile, setfsent, endfsent - handle fstab entries

## SYNOPSIS

**#include <fstab.h>**

**void endfsent(void);**

**struct fstab \*getfsent(void);**

**struct fstab \*getfsfile(const char \****mount_point***);**

**struct fstab \*getfsspec(const char \****special_file***);**

**int setfsent(void);**

## DESCRIPTION

These functions read from the file */etc/fstab*. The *struct fstab* is defined by:

```
struct fstab {
char *fs_spec; /* block device name */
char *fs_file; /* mount point */
char *fs_vfstype; /* file-system type */
char *fs_mntops; /* mount options */
const char *fs_type; /* rw/rq/ro/sw/xx option */
int fs_freq; /* dump frequency, in days */
int fs_passno; /* pass number on parallel dump */
};
```

Here the field *fs_type* contains (on a *BSD system) one of the five strings rw, rq, ro, sw, xx (read-write, read-write with quota, read-only, swap, ignore).

The function **setfsent**() opens the file when required and positions it at the first line.

The function **getfsent**() parses the next line from the file. (After opening it when required.)

The function **endfsent**() closes the file when required.

The function **getfsspec**() searches the file from the start and returns the first entry found for which the *fs_spec* field matches the *special_file* argument.

The function **getfsfile**() searches the file from the start and returns the first entry found for which the *fs_file* field matches the *mount_point* argument.

## RETURN VALUE

Upon success, the functions **getfsent**(), **getfsfile**(), and **getfsspec**() return a pointer to a *struct fstab*, while **setfsent**() returns 1. Upon failure or end-of-file, these functions return NULL and 0, respectively.

## CONFORMING TO

These functions are not in POSIX.1-2001. Several operating systems have them, for example, *BSD, SunOS, Digital UNIX, AIX (which also has a **getfstype**()). HP-UX has functions of the same names, that however use a *struct checklist* instead of a *struct fstab*, and calls these functions obsolete, superseded by getmntent(3).

## NOTES

These functions are not thread-safe.

Since Linux allows mounting a block special device in several places, and since several devices can have the same mount point, where the last device with a given mount point is the interesting one, while **getfsfile**() and **getfsspec**() only return the first occurrence, these two functions are not suitable for use under Linux.

**SEE ALSO**

getmntent(3), fstab(5)

**COLOPHON**

This page is part of release 3.74 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 http://www.kernel.org/doc/man-pages/.