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.

ATTRIBUTES

For an explanation of the terms used in this section, see **attributes**(7).

Interface	Attribute	Value
endfsent(), **setfsent**()	Thread safety	MT-Unsafe race:fsent
getfsent(), **getfsspec**(), **getfsfile**()	Thread safety	MT-Unsafe race:fsent locale

CONFORMING TO

These functions are not in POSIX.1. 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the same names, that however use a *struct checklist* instead of a *struct fstab*, and calls these functions obsolete, superseded by **getmntent**(3).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 **getfs-file**() and **getfsspec**() only return the first occurrence, these two functions are not suitable for use under Linux.

SEE ALSO

getmntent(3), **fstab**(5)

COLOPHON

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