NAME

getfsent, **getfsspec**, **getfsfile**, **setfsent**, **endfsent** - get file system descriptor file entry

LIBRARY

Standard C Library (libc, -lc)

SYNOPSIS

#include <fstab.h>

struct fstab *
getfsent(*void*);

struct fstab *
getfsspec(*const char *spec*);

struct fstab *
getfsfile(*const char *file*);

int
setfsent(*void*);

void
endfsent(*void*);

void
setfstab(*const char *file*);

const char *
getfstab(*void*);

DESCRIPTION

The **getfsent**(), **getfsspec**(), and **getfsfile**() functions each return a pointer to an object with the following structure containing the broken-out fields of a line in the file system description file, *<fstab.h>*.

```
struct fstab {
        char    *fs_spec; /* block special device name */
        char    *fs_file;   /* file system path prefix */
        char    *fs_vfstype;        /* File system type, ufs, nfs */
        char    *fs_mntops;         /* Mount options ala -o */
        char    *fs_type; /* FSTAB_* from fs_mntops */
```

```
               int        fs_freq;   /* dump frequency, in days */
               int        fs_passno;          /* pass number on parallel fsck */
       };
```

The fields have meanings described in fstab(5).

The **setfsent**() function opens the file (closing any previously opened file) or rewinds it if it is already open.

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

The **setfstab**() function sets the file to be used by subsequent operations. The value set by **setfstab**() does not persist across calls to **endfsent**().

The **getfstab**() function returns the name of the file that will be used.

The **getfsspec**() and **getfsfile**() functions search the entire file (opening it if necessary) for a matching special file name or file system file name.

For programs wishing to read the entire database, **getfsent**() reads the next entry (opening the file if necessary).

All entries in the file with a type field equivalent to FSTAB_XX are ignored.

RETURN VALUES

The **getfsent**(), **getfsspec**(), and **getfsfile**() functions return a NULL pointer on EOF or error. The **setfsent**() function returns 0 on failure, 1 on success. The **endfsent**() function returns nothing.

ENVIRONMENT

PATH_FSTAB If the environment variable PATH_FSTAB is set, all operations are performed against the specified file. PATH_FSTAB will not be honored if the process environment or memory address space is considered "tainted". (See issetugid(2) for more information.)

FILES

/etc/fstab

SEE ALSO

fstab(5)

HISTORY

The **getfsent**() function appeared in 4.0BSD; the **endfsent**(), **getfsfile**(), **getfsspec**(), and **setfsent**() functions appeared in 4.3BSD; the **setfstab**() and **getfstab**() functions appeared in FreeBSD 5.1.

BUGS

These functions use static data storage; if the data is needed for future use, it should be copied before any subsequent calls overwrite it.