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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'endmntent.3' command

\$ man endmntent.3

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

NAME

getmntent, setmntent, addmntent, endmntent, hasmntopt, getmntent_r -
get filesystem descriptor file entry

SYNOPSIS

```
#include <stdio.h>
#include <mntent.h>
FILE *setmntent(const char *filename, const char *type);
struct mntent *getmntent(FILE *stream);
int addmntent(FILE *stream, const struct mntent *mnt);
int endmntent(FILE *stream);
char *hasmntopt(const struct mntent *mnt, const char *opt);
/* GNU extension */
#include <mntent.h>
struct mntent *getmntent_r(FILE *stream, struct mntent *mntbuf,
                           char *buf, int buflen);
```

Feature Test Macro Requirements for glibc (see feature_test_macros(7)):

getmntent_r():

Since glibc 2.19:

 _DEFAULT_SOURCE

Glibc 2.19 and earlier:

 _BSD_SOURCE || _SVID_SOURCE

DESCRIPTION

These routines are used to access the filesystem description file `/etc/fstab` and the mounted filesystem description file `/etc/mntab`.

The `setmntent()` function opens the filesystem description file `filename` and returns a file pointer which can be used by `getmntent()`. The argument `type` is the type of access required and can take the same values as the mode argument of `fopen(3)`. The returned stream should be closed using `endmntent()` rather than `fclose(3)`.

The `getmntent()` function reads the next line of the filesystem description file from stream and returns a pointer to a structure containing the broken out fields from a line in the file. The pointer points to a static area of memory which is overwritten by subsequent calls to `getmntent()`.

The `addmntent()` function adds the `mntent` structure `mnt` to the end of the open stream.

The `endmntent()` function closes the stream associated with the filesystem description file.

The `hasmntopt()` function scans the `mnt_opts` field (see below) of the `mntent` structure `mnt` for a substring that matches `opt`. See `<mntent.h>` and `mount(8)` for valid mount options.

The reentrant `getmntent_r()` function is similar to `getmntent()`, but stores the struct mount in the provided `*mntbuf` and stores the strings pointed to by the entries in that struct in the provided array `buf` of size `buflen`.

The `mntent` structure is defined in `<mntent.h>` as follows:

```
struct mntent {
    char *mnt_fsname; /* name of mounted filesystem */
    char *mnt_dir; /* filesystem path prefix */
    char *mnt_type; /* mount type (see mntent.h) */
    char *mnt_opts; /* mount options (see mntent.h) */
    int mnt_freq; /* dump frequency in days */
    int mnt_passno; /* pass number on parallel fsck */
};
```

Since fields in the `mntab` and `fstab` files are separated by whitespace,

