Red Hat Enterprise Linux Release 9.2 Manual Pages on 'ioctl_fslabel.2' command

$ man ioctl_fslabel.2

IOCTL_FSLABEL(2)   Linux Programmer's Manual   IOCTL_FSLABEL(2)

NAME

   ioctl_fslabel - get or set a filesystem label

SYNOPSIS

   #include <sys/ioctl.h>

   #include <linux/fs.h>

   int ioctl(int fd, FS_IOC_GETFSLABEL, char label[FSLABEL_MAX]);

   int ioctl(int fd, FS_IOC_SETFSLABEL, char label[FSLABEL_MAX]);

DESCRIPTION

   If a filesystem supports online label manipulation, these ioctl(2) op?

   erations can be used to get or set the filesystem label for the

   filesystem on which fd resides. The FS_IOC_SETFSLABEL operation re?

   quires privilege (CAP_SYS_ADMIN).

RETURN VALUE

   On success zero is returned. On error, -1 is returned, and errno is

   set to indicate the error.

ERRORS

   Error can include (but are not limited to) the following:

   EFAULT label references an inaccessible memory area.

   EINVAL The specified label exceeds the maximum label length for the

       filesystem.

   ENOTTY This can appear if the filesystem does not support online label

       manipulation.

EPERM The calling process does not have sufficient permissions to set
    the label.

VERSIONS

These ioctl(2) operations first appeared in Linux 4.18. They were pre?

viously known as BTRFS_IOC_GET_FSLABEL and BTRFS_IOC_SET_FSLABEL and

were private to Btrfs.

CONFORMING TO

This API is Linux-specific.

NOTES

The maximum string length for this interface is FSLABEL_MAX, including

the terminating null byte ('\0'). Filesystems have differing maximum

label lengths, which may or may not include the terminating null.   The

string provided to FS_IOC_SETFSLABEL must always be null-terminated,

and the string returned by FS_IOC_GETFSLABEL will always be null-termi?

nated.

SEE ALSO

ioctl(2), blkid(8)

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

https://www.kernel.org/doc/man-pages/.

Linux   2020-04-20   IOCTL_FSLABEL(2)