NAME

ioctl_fslabel − get or set a filesystem label

LIBRARY

Standard C library (*libc*, *−lc*)

SYNOPSIS

#include <linux/fs.h> /* Definition of ***FSLABEL*** constants */
#include <sys/ioctl.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) operations can be used to get or set the filesystem label for the filesystem on which *fd* resides. The **FS_IOC_SETFSLABEL** operation requires 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

Possible errors 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 previously known as **BTRFS_IOC_GET_FSLABEL** and **BTRFS_IOC_SET_FSLABEL** and were private to Btrfs.

STANDARDS

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-terminated.

SEE ALSO

ioctl(2), **blkid**(8)