Rocky Enterprise Linux 9.2 Manual Pages on command 'ioctl_fslabel.2'

$ 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) 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

   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 previously 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-terminated.

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/.

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