NAME

btrfs-property − get/set/list properties for given filesystem object

SYNOPSIS

btrfs property *‹subcommand› ‹args›*

DESCRIPTION

btrfs property is used to get/set/list property for given filesystem object. The object can be an inode (file or directory), subvolume or the whole filesystem. See the description of **get** subcommand for more information about both btrfs object and property.

btrfs property provides an unified and user−friendly method to tune different btrfs properties instead of using the traditional method like **chattr**(1) or **lsattr**(1).

SUBCOMMAND

get [−t *‹type›*] *‹object›* [*‹name›*]

get property from a btrfs *‹object›* of given *‹type›*

A btrfs object, which is set by *‹object›*, can be a btrfs filesystem itself, a btrfs subvolume, an inode (file or directory) inside btrfs, or a device on which a btrfs exists.

The option −*t* can be used to explicitly specify what type of object you meant. This is only needed when a property could be set for more then one object type.

Possible types are *s[ubvol]*, *f[ilesystem]*, *i[node]* and *d[evice]*, where the first lettes is a shortcut.

Set the name of property by *name*. If no *name* is specified, all properties for the given object are printed. *name* is one of the following:

ro

read−only flag of subvolume: true or false

label

label of the filesystem. For an unmounted filesystem, provide a path to a block device as object. For a mounted filesystem, specify a mount point.

compression

compression algorithm set for an inode, possible values: *lzo*, *zlib*, *zstd*. To disable compression use "" (empty string), *no* or *none*.

list [−t *‹type›*] *‹object›*

Lists available properties with their descriptions for the given object.

See the description of **get** subcommand for the meaning of each option.

set [−t *‹type›*] *‹object› ‹name› ‹value›*

Sets a property on a btrfs object.

See the description of **get** subcommand for the meaning of each option.

EXIT STATUS

btrfs property returns a zero exit status if it succeeds. Non zero is returned in case of failure.

AVAILABILITY

btrfs is part of btrfs−progs. Please refer to the btrfs wiki **http://btrfs.wiki.kernel.org** for further details.

SEE ALSO

mkfs.btrfs(8), **lsattr**(1), **chattr**(1)