

NAME

blockdev – call block device ioctls from the command line

SYNOPSIS

blockdev [-q] [-v] *command* [*command...*] *device* [*device...*]

blockdev --report [*device...*]

blockdev -h|-V

DESCRIPTION

The utility **blockdev** allows one to call block device ioctls from the command line.

OPTIONS

-q Be quiet.

-v Be verbose.

--report

Print a report for the specified device. It is possible to give multiple devices. If none is given, all devices which appear in /proc/partitions are shown. Note that the partition StartSec is in 512-byte sectors.

-h, --help

Display help text and exit.

-V, --version

Print version and exit.

COMMANDS

It is possible to give multiple devices and multiple commands.

--flushbufs

Flush buffers.

--getalignoff

Get alignment offset.

--getbsz

Print blocksize in bytes. This size does not describe device topology. It's size used internally by kernel and it maybe modified (for example) by filesystem driver on mount.

--getdiscardzeroes

Get discard zeroes support status.

--getfra

Get filesystem readahead in 512-byte sectors.

--getiomin

Get minimum I/O size.

--getioopt

Get optimal I/O size.

--getmaxsect

Get max sectors per request

--getpbsz

Get physical block (sector) size.

--getra

Print readahead (in 512-byte sectors).

--getro

Get read-only. Print 1 if the device is read-only, 0 otherwise.

- getsize64**
Print device size in bytes.
- getsize**
Print device size (32-bit!) in sectors. Deprecated in favor of the **---getsz** option.
- getss**
Print logical sector size in bytes – usually 512.
- getsz**
Get size in 512-byte sectors.
- rereadpt**
Reread partition table
- setbsz *bytes***
Set blocksize. Note that the block size is specific to the current file descriptor opening the block device, so the change of block size only persists for as long as blockdev has the device open, and is lost once blockdev exits.
- setfra *sectors***
Set filesystem readahead (same like **---setra** on 2.6 kernels).
- setra *sectors***
Set readahead (in 512-byte sectors).
- setro**
Set read-only. The currently active access to the device may not be affected by the change. For example filesystem already mounted in read-write mode will not be affected. The change applies after remount.
- setrw**
Set read-write.

AUTHOR

blockdev was written by Andries E. Brouwer and rewritten by Karel Zak.

AVAILABILITY

The blockdev command is part of the util-linux package and is available from <https://www.kernel.org/pub/linux/utils/util-linux/>.