



Rocky Enterprise Linux 9.2 Manual Pages on command 'blkdiscard.8'

\$ man blkdiscard.8

BLKDISCARD(8) System Administration BLKDISCARD(8)

NAME

blkdiscard - discard sectors on a device

SYNOPSIS

blkdiscard [options] [-o offset] [-l length] device

DESCRIPTION

blkdiscard is used to discard device sectors. This is useful for solid-state drives (SSDs) and thinly-provisioned storage. Unlike fstrim(8), this command is used directly on the block device.

By default, blkdiscard will discard all blocks on the device. Options may be used to modify this behavior based on range or size, as explained below.

The device argument is the pathname of the block device.

WARNING: All data in the discarded region on the device will be lost!

OPTIONS

The offset and length arguments may be followed by the multiplicative suffixes KiB (=1024), MiB (=1024*1024), and so on for GiB, TiB, PiB, EiB, ZiB and YiB (the "iB" is optional, e.g., "K" has the same meaning

as "KiB") or the suffixes KB (=1000), MB (=1000*1000), and so on for GB, TB, PB, EB, ZB and YB.

-f, --force

Disable all checking. Since v2.36 the block device is open in exclusive mode (O_EXCL) by default to avoid collision with mounted filesystem or another kernel subsystem. The --force option disables the exclusive access mode.

-o, --offset offset

Byte offset into the device from which to start discarding. The provided value must be aligned to the device sector size. The default value is zero.

-l, --length length

The number of bytes to discard (counting from the starting point). The provided value must be aligned to the device sector size. If the specified value extends past the end of the device, blkdiscard will stop at the device size boundary. The default value extends to the end of the device.

-p, --step length

The number of bytes to discard within one iteration. The default is to discard all by one ioctl call.

-s, --secure

Perform a secure discard. A secure discard is the same as a regular discard except that all copies of the discarded blocks that were possibly created by garbage collection must also be erased. This requires support from the device.

-z, --zeroout

Zero-fill rather than discard.

-v, --verbose

Display the aligned values of offset and length. If the --step option is specified, it prints the discard progress every second.

-V, --version

Display version information and exit.

-h, --help

Display help text and exit.

AUTHORS

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SEE ALSO

fstrim(8)

REPORTING BUGS

For bug reports, use the issue tracker at

<https://github.com/karelzak/util-linux/issues>.

AVAILABILITY

The blkdiscard command is part of the util-linux package which can be downloaded from Linux Kernel Archive

<<https://www.kernel.org/pub/linux/utils/util-linux/>>.

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