

NAME

blkzone – run zone command on a device

SYNOPSIS

blkzone *command* [*options*] *device*

DESCRIPTION

blkzone is used to run zone command on device that support the Zoned Block Commands (ZBC) or Zoned-device ATA Commands (ZAC). The zones to operate on can be specified using the offset, count and length options.

The *device* argument is the pathname of the block device.

COMMANDS**report**

The command **blkzone report** is used to report device zone information.

By default, the command will report all zones from the start of the block device. Options may be used to modify this behavior, changing the starting zone or the size of the report, as explained below.

Report output

start	Zone start sector
len	Zone length in number of sectors
wptr	Zone write pointer position
reset	Reset write pointer recommended
non-seq	Non-sequential write resources active
cond	Zone condition
type	Zone type

Zone conditions

cl	Closed
nw	Not write pointer
em	Empty
fu	Full
oe	Explicitly opened
oi	Implicitly opened
ol	Offline
ro	Read only
x?	Reserved conditions (should not be reported)

reset

The command **blkzone reset** is used to reset one or more zones. Unlike **sg_reset_wp(8)**, this command operates from the block layer and can reset a range of zones.

By default, the command will operate from the zone at device sector 0 and reset all zones. Options may be used to modify this behavior as well as specify the operation to be performed on the zone, as explained below.

OPTIONS

The *offset* and *length* option 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. Additionally, the 0x prefix can be used to specify *offset* and *length* in hex.

-o, --offset *sector*

The starting zone specified as a sector offset. The provided offset in sector units (512 bytes) should match the start of a zone. The default value is zero.

-l, --length *sectors*

The maximum number of sectors the command should operate on. The default value is the number of sectors remaining after *offset*. This option cannot be used together with the option **--count**.

-c, --count *count*

The maximum number of zones the command should operate on. The default value is the number of zones starting from *offset*. This option cannot be used together with the option **--length**.

-v, --verbose

Display the number of zones returned in the report or the range of sectors reset..

-V, --version

Display version information and exit.

-h, --help

Display help text and exit.

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SEE ALSO

sg_rep_zones(8)

AVAILABILITY

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