



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

\$ man blkzone.8

BLKZONE(8) System Administration BLKZONE(8)

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 ?
??
? ? ?
?cap ? Zone capacity 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) ?
????????????????????????????????

capacity

The command `blkzone capacity` is used to report device capacity information.

By default, the command will report the sum, in number of sectors, of all zone capacities on the device. Options may be used to modify this behavior, changing the starting zone or the size of the report, as explained below.

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.

open

The command `blkzone open` is used to explicitly open one or more zones. Unlike `sg_zone(8)`, `open` action, this command operates from the block layer and can open a range of zones.

close

The command `blkzone close` is used to close one or more zones. Unlike `sg_zone(8)`, `close` action, this command operates from the block layer and can close a range of zones.

finish

The command `blkzone finish` is used to finish (transition to full condition) one or more zones. Unlike `sg_zone(8)`, `finish` action, this command operates from the block layer and can finish a range of zones. By default, the `reset`, `open`, `close` and `finish` commands will operate from the zone at device sector 0 and operate on all zones. Options may be used to modify this behavior 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.

-f, --force

Enforce commands to change zone status on block devices used by the system.

-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)

REPORTING BUGS

For bug reports, use the issue tracker at

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

AVAILABILITY

The blkzone 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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