Red Hat Enterprise Linux Release 9.2 Manual Pages on 'blkzone.8' command

$ 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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