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***Rocky Enterprise Linux 9.2 Manual Pages on command 'sg\_rep\_zones.8'***

**\$ man sg\_rep\_zones.8**

SG\_REP\_ZONES(8)                      SG3\_UTILS                      SG\_REP\_ZONES(8)

**NAME**

sg\_rep\_zones - send SCSI REPORT ZONES command

**SYNOPSIS**

sg\_rep\_zones [--help] [--hex] [--maxlen=LEN] [--num=NUM] [--partial] [--raw] [--readonly] [--report=OPT] [--start=LBA] [--verbose] [--version] [--wp] DEVICE

**DESCRIPTION**

Sends a SCSI REPORT ZONES command to DEVICE and outputs the data returned. This command is found in the ZBC draft standard, revision 5 (zbc-r05.pdf).

**OPTIONS**

Arguments to long options are mandatory for short options as well.

-h, --help

output the usage message then exit.

-H, --hex

output the response in hexadecimal to stdout. When used once the whole response is output in ASCII hexadecimal with a leading address (starting at 0) on each line.

When used twice each zone descriptor in the response is output separately in hexadecimal. When used thrice the whole response is output in hexadecimal with no leading address (on each line).

-m, --maxlen=LEN

where LEN is the (maximum) response length in bytes. It is placed in the cdb's "allocation length" field. If not given (or LEN is zero) then 8192 is used. The maximum allowed value of LEN is 1048576.

-n, --num=NUM

where NUM is the (maximum) number of zone descriptors to print out. The default value is zero which is taken to mean print out all zone descriptors returned by the REPORT ZONES command.

-p, --partial

set the PARTIAL bit in the cdb.

-r, --raw

output the SCSI response (i.e. the data-out buffer) in binary (to stdout).

-R, --readonly

open the DEVICE read-only (e.g. in Unix with the O\_RDONLY flag). The default is to open it read-write.

-o, --report=OPT

where OPT will become the contents of the REPORTING OPTION field in the cdb. The default value is 0 which means report a list of all zones. Some other values are 1 for list zones with a zone condition of empty; 2 for list zones with a zone condition of implicitly opened; 3 for list zones with a zone condition of explicitly opened; 4 for list zones with a zone condition of closed; 5 for list zones with a zone condition of full; 6 for list zones with a zone condition of read only; 7 for list zones with a zone condition of offline. Other values are 0x10 for list zones with RWP recommended set to true; 0x11 for list zones with non-sequential write re? source active set to true and 0x3f for list zones with a zone condition of not write pointer.

-s, --start=LBA

where LBA is at the start or within the first zone to be reported. The default value is 0. If LBA is not a zone start LBA then the preceding zone start LBA is used for reporting. Assumed to be in decimal unless prefixed with '0x' or has a trailing 'h' which indicate hexadecimal.

-v, --verbose

increase the level of verbosity, (i.e. debug output).

-V, --version

print the version string and then exit.

-w, --wp

print the write pointer (in hex) only. In the absence of errors, then a hex LBA

will be printed on each line, one line for each zone. Can be usefully combined with the --num=NUM and --start=LBA options.

## EXIT STATUS

The exit status of `sg_rep_zones` is 0 when it is successful. Otherwise see the `sg3_utils(8)` man page.

## AUTHORS

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## REPORTING BUGS

Report bugs to <[dgilbert at interlog dot com](mailto:dgilbert@interlog.com)>.

## COPYRIGHT

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## SEE ALSO

`sg_reset_wp`, `sg_zone`(`sg3_utils`)

`sg3_utils-1.46`

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`SG_REP_ZONES(8)`