

NAME

`sg_rep_zones` – send SCSI REPORT ZONES command

SYNOPSIS

`sg_rep_zones` [`--help`] [`--hex`] [`--maxlen=LEN`] [`--raw`] [`--readonly`] [`--report=OPT`] [`--start=LBA`] [`--verbose`] [`--version`] *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 4c (zbc-r04c.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.

-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 resource 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.

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>.

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SEE ALSO

sg_reset_wp,sg_zone(sg3_utils)