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

\$ man sg_get_elem_status.8

SG_GET_ELEM_STATUS(8) SG3_UTILS SG_GET_ELEM_STATUS(8)

NAME

sg_get_elem_status - send SCSI GET PHYSICAL ELEMENT STATUS command

SYNOPSIS

```
sg_get_elem_status [--brief] [--filter=FLT] [--help] [--hex] [--in?
hex=FN] [--maxlen=LEN] [--raw] [--readonly] [--report-type=RT]
[--starting=ELEM] [--verbose] [--version] DEVICE
```

DESCRIPTION

Send the SCSI GET PHYSICAL ELEMENT STATUS command to the DEVICE and output the response. The command was introduced in (draft) SBC-4 revision 16.

The default action is to decode the response into one physical element status descriptor per line then output a header and the status descriptors to stdout. The amount of output can be reduced by the --brief option.

Rather than send this SCSI command to DEVICE, if the --inhex=FN option is given, then the contents of the file named FN are decoded as ASCII hex (or binary if --raw is also given) and then processed as if it was

the response of this command.

OPTIONS

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

-b, --brief

tbd

-f, --filter=FLT

where FLT is placed in a two bit field called FILTER in the GET PHYSICAL ELEMENT STATUS command. Only two values are defined for that field: 0 for all element descriptors; 1 for those element descriptors that are outside 'spec' or have depopulation information to report. In both cases the REPORT TYPE and STARTING ELEMENT fields may further restrict (reduce) the number of element descriptors returned. The default value is zero.

-h, --help

output the usage message then exit.

-H, --hex

output response to this command in ASCII hex.

-i, --inhex=FN

where FN is a file name whose contents are assumed to be ASCII hexadecimal. If DEVICE is also given then DEVICE is ignored, a warning is issued and the utility continues, decoding the file named FN. See the "FORMAT OF FILES CONTAINING ASCII HEX" section in the sg3_utils manpage for more information. If the --raw option is also given then the contents of FN are treated as binary.

-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 then 32 is used. 32 is enough space for the response header only. LEN should be a multiple of 32 (e.g. 32, 64, and 96 are suitable).

-r, --raw

output response in binary (to stdout) unless the --inhex=FN option

tion is also given. In that case the input file name (FN) is de?
coded as binary (and the output is `_not_` in binary).

`-R, --readonly`

open the DEVICE read-only (e.g. in Unix with the `O_RDONLY` flag).

The default is to open it read-write.

`-t, --report-type=RT`

where RT will be placed in the REPORT TYPE field of the GET PHYSICAL ELEMENT STATUS command. Currently only two values are defined: 0 for 'physical element' and 1: for 'storage element'.

The default value is 1 .

`-s, --starting=ELEM`

where ELEM is the placed in the STARTING ELEMENT field of the GET PHYSICAL ELEMENT STATUS command. Only physical elements with identifiers equal to or greater than ELEM are returned. The de?

fault value is zero which while it isn't a valid element identi?

fier (since they must be non-zero) is given in an example in An?

nex L of SBC-4 revision 17. So an ELEM of zero is assumed to be

valid in this context.

`-v, --verbose`

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

output caused by this option is sent to stderr.

`-V, --version`

print the version string and then exit.

EXIT STATUS

The exit status of `sg_get_elem_status` is 0 when it is successful. Oth?

erwise 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_get_lba_status(8), sg3_utils(8)

sg3_utils-1.47

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