Rocky Enterprise Linux 9.2 Manual Pages on command 'nvme-zns-report-zones.1'

$ man nvme-zns-report-zones.1

NVME-ZNS-REPORT-Z(1) NVMe Manual NVME-ZNS-REPORT-Z(1)

NAME

nvme-zns-report-zones - Retrieve and display the Report Zones data

structure

SYNOPSIS

nvme zns report-zones <device> [--namespace-id=<NUM> | -n <NUM>]

[--start-lba=<IONUM> | -s <IONUM>]

[--descs=<NUM> | -d <NUM>]

[--state=<NUM> | -S <NUM>]

[--extended | -e]

[--partial | -p]

[--verbose | -v]

[--output-format=<FMT> | -o <FMT>]

DESCRIPTION

For the NVMe device given, sends the Zone Management Receive command

with the Zone Receive Action set to either Report Zones or Extended

Report Zones, depending on the extended option.

The <device> parameter is mandatory and may be either the NVMe

character device (ex: /dev/nvme0), or a namespace block device (ex: /dev/nvme0n1).

On success, the data structure returned by the device will be decoded and displayed in one of several ways.

OPTIONS

-n <NUM>, --namespace-id=<NUM>

Use the provided namespace id for the command. If not provided, the namespace id of the block device will be used. If the command is issued to a non-block device, the parameter is required.

-s <lba>, --start-lba=<lba>

The starting LBA of the zone to begin the report

-d <NUM>, --descs=<NUM>

The number of descriptors to request in the report.

-S <NUM>, --state=<NUM>

The state of zones to request in the report. Known values include:

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?Value ? Definition ?

??????????????????????????????????

?0 ? List all zones (default) ?

??????????????????????????????????

?1 ? Empty State ?

??????????????????????????????????

?2 ? Implicitly Opened State ?

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?3 ? Explicitly Opened State ?

??????????????????????????????????

?4 ? Closed State ?

??????????????????????????????????

?5 ? Full State ?

??????????????????????????????????

?6 ? Read Only State ?

??????????????????????????????????

?7 ? Offline State ?

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-e, --extended

Request to use the Extended Report Zones option. The extended data is not decoded.

-p, --partial

If set, the device will return the number of zones that match the state rather than the number of zones returned in the report.

-v, --verbose

Increase the information detail in the output.

-o <format>, --output-format=<format>

Set the reporting format to normal, json, or binary. Only one output format can be used at a time.

EXAMPLES

? Has the program interpret the report for 16 zones, and display the known fields in a human readable format:

nvme zns report-zones /dev/nvme0 -n 1 -d 16

? Show the output in json format with extra details

nvme zns report-zones /dev/nvme0 -n 1 -d 16 -o json

NVME

Part of nvme-cli

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