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Package information:

Package name:

[extra/nvme-cli](#)

Version:

2.16-1

Upstream:

<https://github.com/linux-nvme/nvme-cli>

Licenses:

GPL-2.0-or-later

Manuals:

[/listing/extra/nvme-cli/](#)

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Other formats: [txt](#), [raw](#)

## NAME

`nvme-smart-log` - Send NVMe SMART log page request, returns result and log

## SYNOPSIS

```
nvme smart-log <device> [--namespace-id=<nsid> | -n <nsid>]
                           [--raw-binary | -b]
                           [--output-format=<fmt> | -o <fmt>]
                           [--verbose | -v]
```

## DESCRIPTION

Retrieves the NVMe SMART log page from an NVMe device and provides the returned structure.

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 returned smart log structure may be returned in one of several ways depending on the option flags; the structure may be parsed by the program and printed in a readable format or the raw buffer may be printed to stdout for another program to parse.

## OPTIONS

`-n <nsid>, --namespace-id=<nsid>`

Retrieve the SMART log for the given nsid. This is optional and its success may depend on the device's capabilities to provide this log on a per-namespace basis (see the NVMe Identify Controller for this capability). The default nsid to use is `0xffffffff` for the device global SMART log.

`-b, --raw-binary`

Print the raw SMART log buffer to stdout.

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

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

`-v, --verbose`

Increase the information detail in the output.

## EXAMPLES

• Print the SMART log page in a human readable format:

```
# nvme smart-log /dev/nvme0
```

• Print the raw SMART log to a file:

```
# nvme smart-log /dev/nvme0 --raw-binary >
smart_log.raw
```

It is probably a bad idea to not redirect stdout when using this mode.

## NVME

Part of the nvme-user suite

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