

# NVME - nvme-cli

## Install

Install cnme-cli package:

```
apt-get install nvme-cli
```

## Usage

```
# nvme error-log /dev/nvme0n1
```

```
# nvme list
```

Node	Generic	SN	Model
Namespace	Usage	Format	FW Rev
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/dev/nvme0n1	/dev/ng0n1	2005262D6D10	Micron
2200S NVMe	256GB	0x1 256.06	GB / 256.06 GB 512
B + 0 B	22001070		

Use drive manufacturer specific plugin:

The following are all installed plugin extensions:

- amzn Amazon vendor specific extensions
- dapustor DapuStor vendor specific extensions
- dell DELL vendor specific extensions
- dera Dera vendor specific extensions
- fdp Manage Flexible Data Placement enabled devices
- huawei Huawei vendor specific extensions
- innogrit innogrit vendor specific extensions
- inspur Inspur vendor specific extensions
- intel Intel vendor specific extensions
- memblaze Memblaze vendor specific extensions
- micron Micron vendor specific extensions
- nbft ACPI NBFT table extensions
- netapp NetApp vendor specific extensions
- nvidia NVIDIA vendor specific extensions
- sndk Sandisk vendor specific extensions
- sfx ScaleFlux vendor specific extensions
- seagate Seagate vendor specific extensions
- shannon Shannon vendor specific extensions
- ssstc SSSTC vendor specific extensions
- toshiba Toshiba NVME plugin
- transcend Transcend vendor specific extensions
- virtium Virtium vendor specific extensions

wdc	Western Digital vendor specific extensions
ymtc	Ymtc vendor specific extensions
zns	Zoned Namespace Command Set
feat	NVMe feature extensions
lm	Live Migration NVMe extensions
ocp	OCF cloud SSD extensions
sed	SED Opal Command Set
solidigm	Solidigm vendor specific extensions

usage: nvme micron <command> [<device>] [<args>]

The '<device>' may be either an NVMe character device (ex: /dev/nvme0), an nvme block device (ex: /dev/nvme0n1), or a mctp address in the form mctp:<net>,<eid>[:ctrl-id]

### Micron vendor specific extensions

The following are all implemented sub-commands:

select-download	Selective Firmware Download
vs-temperature-stats	Retrieve Micron temperature statistics
vs-pcie-stats	Retrieve Micron PCIe error stats
clear-pcie-correctable-errors	Clear correctable PCIe errors
vs-internal-log	Retrieve Micron logs
vs-telemetry-controller-option	Enable/Disable controller telemetry log generation
vs-nand-stats	Retrieve NAND Stats
vs-smart-ext-log	Retrieve extended SMART logs
vs-drive-info	Retrieve Drive information
plugin-version	Display plugin version info
cloud-SSD-plugin-version	Display plugin version info
log-page-directory	Retrieve log page directory
vs-fw-activate-history	Display FW activation history
latency-tracking	Latency monitoring feature control
latency-stats	Latency information for tracked commands
latency-logs	Latency log details tracked by drive
vs-smart-add-log	Retrieve extended SMART data
clear-fw-activate-history	Clear FW activation history
vs-smbus-option	Enable/Disable SMBUS on the drive
version	Shows the program version
help	Display this help

## Links

<https://superuser.com/questions/1801429/looking-for-smartctl-nvme-log-error-explanation-0xa013-0x8004-and-0x9016-0x8004>

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