

NVME - nvme-cli

Install

Install nvme-cli package:

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

Usage

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

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	OCP 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-generation	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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