

NVME - nvme-cli

Install

Install nvme-cli package:

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

Usage

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

```
# nvme list
Node                               Generic          SN              Model
Namespace  Usage                Format          FW Rev
-----
/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	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	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>
- <https://openchannelssd.readthedocs.io/en/latest/gettingstarted/>

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