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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'nvme-wdc-vs-temperature-stats.1' command

$ man nvme-wdc-vs-temperature-stats.1

NVME-WDC-VS-TEMPE(1) NVMe Manual NVME-WDC-VS-TEMPE(1)

NAME

nvme-wdc-vs-temperature-stats - Display temperature-related statistics

SYNOPSIS

nvme wdc vs-temperature-stats <device>

DESCRIPTION

For the NVMe device given, displays temperature statistics.

The <device> parameter is mandatory NVMe character device (ex:

/dev/nvme0).

This will only work on WDC devices supporting this feature. Results for

any other device are undefined.

Expected status and description :-

??

?Statistic ? Description ?

??

? ? ?

?The current composite ? device temperature ?

?temperature ? ?

??

? ? ?

?Warning Composite ? temp of overheating ?

?TEMPerature threshold ? ?

??

? ? ?

?Critical Composite ? temp of critical ?

?TEMPerature threshold ? overheating ?

??

? ? ?

?Device Initiated Thermal ? 0 = unsupported, 1 = ?

?Throttling support status ? supported ?

??

? ? ?

?Host Controlled Thermal ? 0 = unsupported, 1 = ?

?Management support ? supported ?

??

? ? ?

?Thermal Management ? temp to start light ?

?Temperature 1 (Light ? throttle ?

?throttle) ? ?

??

? ? ?

?Thermal Management ? # times switched into ?

?Temperature 1 Transition ? light throttle ?

?Counter ? ?

??

? ? ?

?Thermal Management ? # seconds spent in light ?

?Temperature 1 Total Time ? throttle ?

??

? ? ?

?Thermal Management ? temp to start heavy ?

?Temperature 2 (Heavy ? throttle ?

?throttle) ? ?

??

? ? ?

?Thermal Management ? # times switched into ?

?Temperature 2 Transition ? heavy throttle ?

?Counter ? ?

??

? ? ?

?Thermal Management ? # seconds spent in heavy ?

?Temperature 2 Total Time ? throttle ?

??

? ? ?

?Thermal Shutdown Threshold ? temp of device shutdown ?

??

On success it returns 0, error code otherwise.

EXAMPLES

? Displays the temperature stats for the device:

```
# nvme wdc vs-temperature-stats /dev/nvme0
```

NVME

Part of the nvme-user suite.

NVMe 06/23/2023 NVME-WDC-VS-TEMPE(1)