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

$ 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   ?   ?

Field	Description
Warning Composite TEMPerature threshold	temp of overheating
Critical Composite TEMPerature threshold	temp of critical overheating
Device Initiated Thermal Throttling support status	0 = unsupported, 1 = supported
Host Controlled Thermal Management support	0 = unsupported, 1 = supported
Thermal Management Temperature 1 (Light throttle)	temp to start light throttle
Thermal Management Temperature 1 Transition Counter	# times switched into light throttle
Thermal Management Temperature 1 Total Time	# seconds spent in light 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.