



Red Hat Enterprise Linux Release 9.2 Manual Pages on 'nvme-create-ns.1' command

\$ man nvme-create-ns.1

NVME-CREATE-NS(1) NVMe Manual NVME-CREATE-NS(1)

NAME

nvme-create-ns - Send NVMe Namespace management command to create namespace, returns results.

SYNOPSIS

```
nvme create-ns <device> [--nsze=<nsze> | -s <nsze>]
                        [--ncap=<ncap> | -c <ncap>]
                        [--flbas=<flbas> | -f <flbas>]
                        [--dps=<dps> | -d <dps>]
                        [--nmic=<nmic> | -m <nmic>]
                        [--anagrpid=<anagrpid> | -a <anagrpid>]
                        [--nvmset-id=<nvmsetid> | -i <nvmsetid>]
                        [--csi=<command_set_identifier> | -y <command_set_identifier>]
                        [--lbstm=<lbstm> | -l <lbstm>]
                        [--block-size=<block-size> | -b <block-size>]
                        [--timeout=<timeout> | -t <timeout>]
```

DESCRIPTION

For the NVMe device given, sends a namespace management command to create the namespace with the requested settings. On success, the namespace identifier assigned by the controller is returned.

The <device> parameter is mandatory and may be either the NVMe character device (ex: /dev/nvme0), or a namespace block device (ex: /dev/nvme0n1).

OPTIONS

-s, --nsze

The namespace size.

-c, --ncap

The namespace capacity.

-f, --flbas

The namespace formatted logical block size setting. Conflicts with
--block-size argument.

-d, --dps

The data protection settings.

-m, --nmic

Namespace multipath and sharing capabilities.

-a, --anagrpid

ANA Group Identifier. If this value is 0h specifies that the
controller determines the value to use

-i <nvmsetid>, --nvmset-id=<nvmsetid>

This field specifies the identifier of the NVM Set.

-y <command_set_identifier>, --csi=<command_set_identifier>

This field specifies the identifier of command set. if not issued,
NVM Command Set will be selected.

-l <lbstm>, --lbstm=<lbstm>

Logical Block Storage Tag Mask for end-to-end protection.

-b, --block-size

Target block size the new namespace should be formatted as.
Potential FLBAS values will be values will be scanned and the
lowest numbered will be selected for the create-ns operation.
Conflicts with --flbas argument.

EXAMPLES

No examples provided yet.

NVME

Part of the nvme-user suite

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