



Rocky Enterprise Linux 9.2 Manual Pages on command 'nvme-ns-descs.1'

\$ man nvme-ns-descs.1

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

NAME

nvme-ns-descs - Send NVMe Identify for a list of Namespace
Identification Descriptor structure, return result and structure

SYNOPSIS

```
nvme ns-descs <device> [--namespace-id=<nsid> | -n <nsid>]
                        [--raw-binary | -b]
                        [--output-format=<fmt> | -o <fmt>]
```

DESCRIPTION

For the NVMe device given, sends an identify for a list of namespace
identification descriptor structures command and provides the result
and returned structure.

The <device> parameter is mandatory and may be either the NVMe
character device (ex: /dev/nvme0), or a namespace block device (ex:
/dev/nvme0n1). If the character device is given, the '--namespace-id'
option is mandatory, otherwise it will use the ns-id of the namespace
for the block device you opened. For block devices, the ns-id used can
be overridden with the same option.

On success, the structure may be returned in one of several ways depending on the option flags; the structure may be parsed by the program or the raw buffer may be printed to stdout.

OPTIONS

`-n <nsid>, --namespace-id=<nsid>`

Retrieve the identify namespace identification descriptor structure for the given nsid. This is required for the character devices, or overrides the block nsid if given.

`-b, --raw-binary`

Print the raw buffer to stdout. Structure is not parsed by program.

`-o <format>, --output-format=<format>`

Set the reporting format to normal, json, or binary. Only one output format can be used at a time.

EXAMPLES

? If using the character device or overriding namespace #2:

```
# nvme ns-descs /dev/nvme0 -n 1
```

```
# nvme ns-descs /dev/nvme0n1 -n 2
```

```
# nvme ns-descs /dev/nvme0 --namespace-id=1
```

? Have the program return the raw structure in binary:

```
# nvme ns-descs /dev/nvme0n1 --raw-binary > ns_descs.raw
```

```
# nvme ns-descs /dev/nvme0n1 -b > ns_descs.raw
```

It is probably a bad idea to not redirect stdout when using this mode.

NVME

Part of the nvme-user suite

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