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

\$ man nvme-dim.1

NVME-DIM(1) NVMe Manual NVME-DIM(1)

NAME

nvme-dim - Send Discovery Information Management command to one or more
Discovery Controllers.

SYNOPSIS

nvme dim

`--task=<task> | -t <task>`

`--nqn=<nqn> | -n <nqn>`

`--device=<device> | -d <device>`

DESCRIPTION

Send Discovery Information Management (DIM) command to one or more
Discovery Controllers. The DIM command allows performing two types of
tasks: register or deregister.

The DIM command is used to explicitly register with Discovery

Controllers (DC), especially with Central Discovery Controllers (CDC).

CDCs maintain a database (DB) of all the Hosts and Storage Subsystems
in a network. The register task is used to add a host to the CDC's DB.

The deregister task is used to remove a host from the CDC's DB.

During a register operation the host will send mandatory information
such as the Host's NQN and ID, as well as the Host's hostname and the
Operating System's version that it is running on. There is also an
optional Host Symbolic Name that can be registered with the CDC.

This command can only be applied to existing DC connections previously

created with the `nvme-discover(1)` command using the `--persistent` option.

OPTIONS

`-t <task>, --task <task>`

The task to perform: "register" or "deregister".

`-n <subnqn>, --nqn <nqn>`

The DIM command will be sent to the Discovery Controller (DC) matching this NQN. A list of comma-separated NQNs can be supplied to apply the command to more than one DC.

`-d <device>, --device <device>`

The DIM command will be sent to the Discovery Controllers (DC) associated with this NVMe device handle. A list of comma-separated device handles can be supplied to apply the command to more than one DC.

EXAMPLES

? Register with the Central Discovery Controller (CDC) named `nqn.1988-11.com.dell:SFSS:1:20220118125153e8:`

```
# nvme dim --task=register --nqn=nqn.1988-11.com.dell:SFSS:1:20220118125153e8
```

? Deregister from Central Discovery Controller (CDC) associated with

`nvme4`

```
# nvme dim --task=deregister --device=nvme4
```

SEE ALSO

`nvme-discover(1)`

NVME

Part of the `nvme-user` suite

NVMe

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