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

\$ man nvme-resv-acquire.1

NVME-RESV-ACQUIRE(1) NVMe Manual NVME-RESV-ACQUIRE(1)

NAME

nvme-resv-acquire - Acquire an nvme reservation

SYNOPSIS

```
nvme resv-acquire <device> [--namespace-id=<nsid> | -n <nsid>]
```

```
    [--crkey=<crkey> | -c <crkey>]
```

```
    [--prkey=<prkey> | -p <prkey>]
```

```
    [--rtype=<rtype> | -t <rtype>]
```

```
    [--racqa=<racqa> | -a <racqa>]
```

```
    [--iekey | -i]
```

DESCRIPTION

The Reservation Acquire command is used to acquire a reservation on a namespace, preempt a reservation held on a namespace, and abort a reservation held on a namespace.

OPTIONS

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

Override the nsid field. If using the admin character device, this parameter is required.

-c <crkey>, --crkey=<crkey>

Current Reservation Key: The field specifies the current reservation key associated with the host. If the IEKEY bit is set to ?1? in the command, then the CRKEY check succeeds regardless of the value in this field.

-p <prkey>, --prkey=<prkey>

Preempt Reservation Key: If the Reservation Acquire Action is set to 001b (i.e., Preempt) or 010b (i.e., Preempt and Abort), then this field specifies the reservation key to be unregistered from the namespace. For all other Reservation Acquire Action values, this field is reserved.

-t <rtype>, --rtype=<rtype>

Reservation Type: This field specifies the type of reservation to be created.

??

?Value ? Definition ?

??

?0h ? Reserved ?

??

?1h ? Write Exclusive ?

? ? Reservation ?

??

?2h ? Exclusive Access ?

? ? Reservation ?

??

?3h ? Write Exclusive - ?

? ? Registrants Only ?

? ? Reservation ?

??

?4h ? Exclusive Access - ?

? ? Registrants Only ?

? ? Reservation ?

??

?5h ? Write Exclusive - All ?

? ? Registrants Reservation ?

??

?6h ? Exclusive Access - All ?

? ? Registrants Reservation ?

??

?07h-FFh ? Reserved ?

??

-a <racqa>, --racqa=<racqa>

Reservation Acquire Action: This field specifies the action that is performed by the command.

??

?Value ? Definition ?

??

?0 ? Acquire ?

??

?1 ? Preempt ?

??

?2 ? Preempt and Abort ?

??

?3-7 ? Reserved ?

??

-i, --iekey

Ignore Existing Key: If this bit is set to a 1, then the Current Reservation Key (CRKEY) check is disabled and the command shall succeed regardless of the CRKEY field value.

Indicator option, defaults to 0.

EXAMPLES

No examples yet

NVME

Part of the nvme-user suite

NVMe 06/23/2023 NVME-RESV-ACQUIRE(1)