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

$ man nvme-sanitize.1

NVME-SANITIZE(1)   NVMe Manual   NVME-SANITIZE(1)

NAME

    nvme-sanitize - Send NVMe Sanitize Command, return result

SYNOPSIS

    nvme sanitize <device> [--no-dealloc | -d]

            [--oipbp | -i]

            [--owpass=<overwrite-pass-count> | -n <overwrite-pass-count>]

            [--ause | -u]

            [--sanact=<action> | -a <action>]

            [--ovrpat=<overwrite-pattern> | -p <overwrite-pattern>]

            [--force]

DESCRIPTION

    For the NVMe device given, sends a Sanitize command and provides the

    result.

    The <device> parameter is mandatory NVMe character device (ex:

    /dev/nvme0).

    On success it returns 0, error code otherwise.

OPTIONS

-d, --no-dealloc

   No Deallocate After Sanitize: If set, then the controller shall not

   deallocate any logical blocks as a result of successfully

   completing the sanitize operation. If cleared, then the controller

   should deallocate logical blocks as a result of successfully

   completing the sanitize operation. This bit shall be ignored if the

   Sanitize Action field is set to 001b (i.e., Exit Failure Mode).

-i, --oipbp

   Overwrite Invert Pattern Between Passes: If set, then the Overwrite

   Pattern shall be inverted between passes. If cleared, then the

   overwrite pattern shall not be inverted between passes. This bit

   shall be ignored unless the Sanitize Action field is set to 011b

   (i.e., Overwrite).

-n <overwrite-pass-count>, --owpass=<overwrite-pass-count>

   Overwrite Pass Count: This field specifies the number of overwrite

   passes (i.e., how many times the media is to be overwritten) using

   the data from the Overwrite Pattern field of this command. A value

   of 0 specifies 16 overwrite passes. This field shall be ignored

   unless the Sanitize Action field is set to 011b (i.e., Overwrite).

-u, --ause

   Allow Unrestricted Sanitize Exit: If set, then the sanitize

   operation is performed in unrestricted completion mode. If cleared

   then the sanitize operation is performed in restricted completion

   mode. This bit shall be ignored if the Sanitize Action field is set

   to 001b (i.e., Exit Failure Mode).

-a <action>, --sanact=<action>

   Sanitize Action:

   ?????????????????????????????????

   ?Value ? Definition   ?

   ?????????????????????????????????

   ?0x00 ? Reserved   ?

   ?????????????????????????????????

   ?0x01 ? Exit Failure Mode ?

```
??????????????????????????????????
?0x02  ? Start a Block Erase  ?
?      ? sanitize operation   ?
???????????????????????????????????
?0x03  ? Start an Overwrite   ?
?      ? sanitize operation   ?
??????????????????????????????????
?0x04  ? Start a Crypto Erase ?
?      ? sanitize operation   ?
???????????????????????????????????
```

-p <overwrite-pattern>, --ovrpat=<overwrite-pattern>

Overwrite Pattern: This field is ignored unless the Sanitize Action

field in Command Dword 10 is set to 011b (i.e., Overwrite). This

field specifies a 32-bit pattern that is used for the Overwrite

sanitize operation.

--force

Ignore namespace is currently busy and performed the operation even

though.

EXAMPLES

? Has the program issue Sanitize Command :

```
# nvme sanitize /dev/nvme0n1 -a 0x02
# nvme sanitize /dev/nvme0n1 --sanact=0x01
```

NVME

Part of the nvme-user suite.