

NAME

mpsutil, **mprutil** - Utility for managing LSI Fusion-MPT 2/3 controllers

SYNOPSIS

mpsutil version
mpsutil [-u *unit*] show adapter
mpsutil [-u *unit*] show adapters
mpsutil [-u *unit*] show all
mpsutil [-u *unit*] show cfgpage page [*num*] [*addr*]
mpsutil [-u *unit*] show devices
mpsutil [-u *unit*] show enclosures
mpsutil [-u *unit*] show expanders
mpsutil [-u *unit*] show iocfacts
mpsutil [-u *unit*] set ncq [*enable|disable*]
mpsutil [-u *unit*] flash save [*firmware|bios*] [*file*]
mpsutil [-u *unit*] flash update [*firmware|bios*] *file*

DESCRIPTION

The **mpsutil** utility can be used to display or modify various parameters on LSI Fusion-MPS 2 controllers.

The **mprutil** utility can be used to display or modify various parameters on LSI Fusion-MPS 3 controllers.

Both the **mprutil** and **mpsutil** commands behave identically.

Each invocation of **mpsutil** consists of zero or more global options followed by a command. Commands may support additional optional or required arguments after the command.

Currently one global option is supported:

-u *unit*

unit specifies the unit of the controller to work with. If no unit is specified, then unit 0 is used.

The **mpsutil** utility supports several different groups of commands. The first group of commands provide information about the controller. The second group of commands are used to manager controller-wide operations.

The informational commands include:

version

Displays the version of **mpsutil**.

show adapter

Displays information about the controller such as the model number or firmware version.

show adapters

Displays a summary of all adapters.

show all

Displays all devices, expanders and enclosures.

show devices

Displays all devices.

show expanders

Displays all expanders.

show enclosures

Displays all enclosures.

show iocfacts

Displays IOC Facts messages.

show cfgpage page [num] [addr]

Dump raw config page in hex.

Controller management commands include:

set ncq [enable|disable]

Enables or disables NCQ in the NVRAM of the card.

flash save [firmware|bios] [file]

Save the *firmware* or *bios* from the controller into a local *file*. If no *file* is specified then the file will be named *firmware* or *bios*.

flash update [firmware|bios] file

Replace the *firmware* or *bios* from the controller with the one specified via *file*.

SEE ALSO

mpr(4), mps(4)

HISTORY

The **mpsutil** utility first appeared in FreeBSD 11.0.

TODO

Flash operations (save/update) are not supported on big-endian architectures.