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.