

**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.