

Original Sources

<http://erikimh.com/megacli-cheatsheet/>

<http://www.vmwareadmins.com/megacli-working-examples-cheat-sheet/>

http://www.maths.cam.ac.uk/computing/docs/public/megacli_raid_1si.html

Adapter parameter -aN

The parameter -aN (where N is a number starting with zero or the string ALL) specifies the PERC5/i adapter ID. If you have only one controller it's safe to use ALL instead of a specific ID, but you're encouraged to use the ID for everything that makes changes to your RAID configuration.

Physical drive parameter -PhysDrv [E:S]

For commands that operate on one or more physical drives, the -PhysDrv [E:S] parameter is used, where E is the enclosure device ID in which the drive resides and S the slot number (starting with zero). You can get the enclosure device ID using "MegaCli -EncInfo -aALL". The E:S syntax is also used for specifying the physical drives when creating a new RAID virtual drive.

Virtual drive parameter -Lx

The parameter -Lx is used for specifying the virtual drive (where x is a number starting with zero or the string all).

Controller information

MegaCli -AdpAllInfo -aALL

MegaCli -CfgDsply -aALL

MegaCli -AdpEventLog -GetEvents -f events.log -aALL && cat events.log

Enclosure information

MegaCli -EncInfo -aALL

Battery backup information

MegaCli -AdpBbuCmd -aALL

Controller management

Silence active alarm MegaCli -AdpSetProp AlarmSilence -aALL

Disable alarm MegaCli -AdpSetProp AlarmDsbl -aALL

Enable alarm MegaCli -AdpSetProp AlarmEnbl -aALL

Physical drive management

Set state to offline MegaCli -PDOOffline -PhysDrv [E:S] -aN

Set state to online MegaCli -PDOOnline -PhysDrv [E:S] -aN

Mark as missing MegaCli -PDMarkMissing -PhysDrv [E:S] -aN

Prepare for removal MegaCli -PdPrpRmv -PhysDrv [E:S] -aN

Replace missing drive MegaCli -PdReplaceMissing -PhysDrv [E:S] -ArrayN -rowN -aN

The number N of the array parameter is the Span Reference you get using "MegaCli -CfgDsply -aALL" and the number N of the row parameter is the Physical Disk in that span or array starting with zero (it's not the physical disk's slot!).

Physical drive information

MegaCli -PDList -aALL

MegaCli -PDInfo -PhysDrv [E:S] -aALL

Blinking LED's

Start blinking MegaCli pdlocate physdrv [252:0] a0

Stop blinking MegaCli pdlocate stop physdrv [252:0] a0

where 252 is the enclosure's device id, find it out via:

MegaCli encinfo a0

Virtual drive information

MegaCli -LDInfo -Lall -aALL

Rebuild drive

MegaCli -PDRbld -Start -PhysDrv [E:S] -aN

MegaCli -PDRbld -Stop -PhysDrv [E:S] -aN

MegaCli -PDRbld -ShowProg -PhysDrv [E:S] -aN

Clear drive

MegaCli -PDClear -Start -PhysDrv [E:S] -aN

MegaCli -PDClear -Stop -PhysDrv [E:S] -aN

MegaCli -PDClear -ShowProg -PhysDrv [E:S] -aN

Bad to good (or back to good)

MegaCli -PDMakeGood -PhysDrv[E:S] -aN

This changes drive in state Unconfigured-Bad to Unconfigured-Good.

Walkthrough: Change/replace a drive

Set the drive offline, if it is not already offline due to an error MegaCli -PDOOffline -PhysDrv [E:S] -aN

Mark the drive as missing MegaCli -PDMarkMissing -PhysDrv [E:S] -aN

Prepare drive for removal MegaCli -PdPrpRmv -PhysDrv [E:S] -aN

Change/replace the drive MegaCli -PDHSP -Set -PhysDrv [E:S] -aN

In case you're not working with hot spares, you must re-add the new drive to your RAID virtual drive and start the rebuilding

MegaCli -PdReplaceMissing -PhysDrv [E:S] -ArrayN -rowN -aN

MegaCli -PDRbld -Start -PhysDrv [E:S] -aN