

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_lsi.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 MegaCli -AdpSetProp
active alarm AlarmSilence -aALL

Disable MegaCli -AdpSetProp
alarm AlarmDsbl -aALL

Enable MegaCli -AdpSetProp
alarm AlarmEnbl -aALL

Physical drive management

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

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

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

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

Replace MegaCli -PdReplaceMissing -
missing PhysDrv [E:S] -ArrayN -rowN -
drive 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 MegaCli pdlocate physdrv \
blinking [252:0] a0

Stop MegaCli pdlocate stop physdrv
blinking [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 MegaCli -
it is not already offline PDOffline -
due to an error PhysDrv [E:S] -
aN

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

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

Change/replace the MegaCli -PDHSP
drive -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



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