

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 -PDOOnline -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 it is not already offline due to an error	MegaCli -PDOffline -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



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