

# Nota Técnica en la alta utilización del funcionamiento del disco

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## Introducción

Este documento describe un procedimiento cuando usted experimenta la utilización el 100% que alcanza del funcionamiento del disco y la necesidad de marcar si es un problema de la aplicación o problemas del hardware, usted se requiere para funcionar con varios comandos de analizar la situación.

## Prerrequisitos

### Requisitos

No hay requisitos específicos para este documento.

### Componentes Utilizados

La información que contiene este documento se basa en las siguientes versiones de software y hardware.

- Serie del Cisco Unified Computing System (UCS)
- Servidores de Hewlett-Packard (HP)

La información que contiene este documento se creó a partir de los dispositivos en un ambiente de laboratorio específico. Todos los dispositivos que se utilizan en este documento se pusieron en funcionamiento con una configuración verificada (predeterminada). Si la red está funcionando, asegúrese de haber comprendido el impacto que puede tener cualquier comando.

## Problema: Alta utilización del funcionamiento del disco

El sistema trabaja lento y no es estable. Usted experimenta la utilización el 100% que alcanza del

funcionamiento del disco.

## Troubleshooting

El rápido y la forma sencilla es acceder la interfaz Web de la Administración y examinar el estado del hardware del almacenamiento.

Cuando no hay acceso a la administración remota del regulador de la administración integrada de Cisco (CIMC) para la serie o las luces-Hacia fuera integradas (la OIT) del sistema de la Computación unificada (UCS) en los servidores de HP, usted puede conseguir la información sobre el RAID y los discos usando este método:

Para los servidores del Cisco Unified Computing System (UCS):

Las distribuciones de Debian utilizan un paquete nombrado "megacli".

Más información sobre esta herramienta - <http://hwraid.le-vert.net/wiki/LSIMegaRAIDSAS>

Ejemplos cómo utilizar el comando - <http://www.mostlychris.com/blog/2009/07/29/check-raid-status-with-megacli/>

El paquete para debian puede [ser descargado](#) y ser instalado.

Nota: Se prueba con megacli\_8.07.14-1\_amd64.deb

Para marcar que los reguladores del hardware se utilizan, funcione con el comando: **lspci del sudo -vv | grep -i RAID**

e.g.

Regulador del bus de 82:00.0 RAID: [Thunderbolt] de **MegaRAID SAS 2208** de la Lógica LSI/de la lógica de Symbios (rev 05)

Driver kernel funcionando: megaraid\_sas

más información sobre este comando se puede encontrar en:

<http://www.cisco.com/c/en/us/support/docs/servers-unified-computing/ucs-c-series-rack-servers/115020-intro-lsi-megacli-00.html>

Ejecutándola como raíz, funcione con el comando: **sudo /usr/bin/megacli**

## Serie del Cisco Unified Computing System (UCS)

Paso 1. Encuentre sus detalles del regulador RAID, funcione con el comando: **lspci -vv | grep -i RAID**.

El regulador RAID es un dispositivo.

```

$ lspci -vv | grep -i RAID82:00.0 RAID bus controller: LSI Logic / Symbios Logic MegaRAID SAS
2208 [Thunderbolt] (rev 05)          Kernel driver in use: megaraid_sas
$ sudo lspci -vv | grep -A60 -i RAID
82:00.0 RAID bus controller: LSI Logic / Symbios Logic MegaRAID SAS 2208 [Thunderbolt] (rev 05)
Subsystem: LSI Logic / Symbios Logic Device 9271
Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr+ Stepping- SERR+ FastB2B-
DisINTx+
Status: Cap+ 66MHz- UDF- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort- <MAbort- >SERR- <PERR-
INTx-
Latency: 0, Cache Line Size: 64 bytes
Interrupt: pin A routed to IRQ 56
Region 0: I/O ports at f000 [size=256]
Region 1: Memory at fbe60000 (64-bit, non-prefetchable) [size=16K]
Region 3: Memory at fbe00000 (64-bit, non-prefetchable) [size=256K]
Expansion ROM at fbe40000 [disabled] [size=128K]
Capabilities: [50] Power Management version 3
Flags: PMEClk- DSI- D1+ D2+ AuxCurrent=0mA PME(D0-,D1-,D2-,D3hot-,D3cold-)
Status: D0 NoSoftRst+ PME-Enable- DSel=0 DScale=0 PME-
Capabilities: [68] Express (v2) Endpoint, MSI 00
DevCap: MaxPayload 4096 bytes, PhantFunc 0, Latency L0s <64ns, L1 <1us
ExtTag+ AttnBtn- AttnInd- PwrInd- RBE+ FLReset+
DevCtl: Report errors: Correctable- Non-Fatal+ Fatal+ Unsupported-
RlxdOrd- ExtTag- PhantFunc- AuxPwr- NoSnoop+ FLReset-
MaxPayload 256 bytes, MaxReadReq 512 bytes
DevSta: CorrErr+ UncorrErr- FatalErr- UnsuppReq+ AuxPwr- TransPend-
LnkCap: Port #0, Speed 8GT/s, Width x8, ASPM L0s, Latency L0 <64ns, L1 <1us
ClockPM- Surprise- LLActRep- BwNot-
LnkCtl: ASPM Disabled; RCB 64 bytes Disabled- Retrain- CommClk+
ExtSynch- ClockPM- AutWidDis- BWInt- AutBWInt-
LnkSta: Speed 8GT/s, Width x8, TrErr- Train- SlotClk+ DLActive- BWMgmt- ABWMgmt-
DevCap2: Completion Timeout: Range BC, TimeoutDis+
DevCtl2: Completion Timeout: 65ms to 210ms, TimeoutDis-
LnkCtl2: Target Link Speed: 8GT/s, EnterCompliance- SpeedDis-, Selectable De-emphasis: -6dB
Transmit Margin: Normal Operating Range, EnterModifiedCompliance- ComplianceSOS-
Compliance De-emphasis: -6dB
LnkSta2: Current De-emphasis Level: -6dB, EqualizationComplete+, EqualizationPhase1+
EqualizationPhase2+, EqualizationPhase3+, LinkEqualizationRequest+
Capabilities: [d0] Vital Product Data
Unknown small resource type 00, will not decode more.
Capabilities: [a8] MSI: Enable- Count=1/1 Maskable- 64bit+
Address: 0000000000000000 Data&colon; 0000
Capabilities: [c0] MSI-X: Enable+ Count=16 Masked-
Vector table: BAR=1 offset=00002000
PBA: BAR=1 offset=00003000
Capabilities: [100 v2] Advanced Error Reporting
UESta: DLP- SDES- TLP- FCP- CmplttO- CmplttAbrt- UnxCmpltt- RxOF- MalfTLP- ECRC- UnsupReq-
ACSViol-
UEmsk: DLP- SDES- TLP- FCP- CmplttO- CmplttAbrt- UnxCmpltt- RxOF- MalfTLP- ECRC- UnsupReq+
ACSViol-
UESvrt: DLP+ SDES+ TLP- FCP+ CmplttO- CmplttAbrt- UnxCmpltt- RxOF+ MalfTLP+ ECRC- UnsupReq-
ACSViol-
CESta: RxErr- BadTLP- BadDLLP- Rollover- Timeout- NonFatalErr+
CEmsk: RxErr- BadTLP- BadDLLP- Rollover- Timeout- NonFatalErr+
AERCap: First Error Pointer: 00, GenCap- CGenEn- ChkCap- ChkEn-
Capabilities: [1e0 v1] #19
Capabilities: [1c0 v1] Power Budgeting <?>
Capabilities: [190 v1] #16
Capabilities: [148 v1] Alternative Routing-ID Interpretation (ARI)
ARICap: MFVC- ACS-, Next Function: 0
ARICtl: MFVC- ACS-, Function Group: 0
Kernel driver in use: megaraid_sas

```

Paso 2. Marcando la comprobación y la unidad virtual de la serie del sistema de la Computación unificada (UCS), funcione con el comando: **megacli del sudo - linfo - IALL - aAL.**

```
$ sudo megacli -ldinfo -lALL -aALLAdapter 0 -- Virtual Drive Information:Virtual Drive: 0
(Target Id: 0)Name :RAID10_1234RAID Level : Primary-1, Secondary-0, RAID
Level Qualifier-0Size : 1.088 TBSector Size : 512Is VD emulated :
NoMirror Data &colon; 1.088 TBState : OptimalStrip Size : 64 KBNumber Of Drives per
span:2Span Depth : 2Default Cache Policy: WriteBack, ReadAdaptive, Direct, No Write Cache if Bad
BBUCurrent Cache Policy: WriteThrough, ReadAdaptive, Direct, No Write Cache if Bad BBUDefault
Access Policy: Read/WriteCurrent Access Policy: Read/WriteDisk Cache Policy : Disk's
DefaultEncryption Type : NonePI type: No PIIIs VD Cached: NoExit Code: 0x00
```

Usted necesita marcar el valor debajo - **Directiva actual del caché**

## WriteBack - AUTORIZACIÓN

## WriteThrough - MALO

Esto es un ejemplo para lo mismo:

```
$ sudo megacli -ldinfo -lALL ?aALL
```

```
Adapter 0 -- Virtual Drive Information:
Virtual Drive: 0 (Target Id: 0)
Name :RAID10_1234
RAID Level : Primary-1, Secondary-0, RAID Level Qualifier-0
Size : 1.088 TB
Sector Size : 512
Is VD emulated : No
Mirror Data : 1.088 TB
State : Optimal
Strip Size : 64 KB
Number Of Drives per span:2
Span Depth : 2
Default Cache Policy: WriteBack, ReadAdaptive, Direct, No Write Cache if Bad BBU
Current Cache Policy: WriteBack, ReadAdaptive, Direct, No Write Cache if Bad BBU
Default Access Policy: Read/Write
Disk Cache Policy : Disk's Default
Disk Cache Policy : Disk's Default
Encryption Type : None
PI type: No PI
Is VD Cached: No
```

```
Exit Code: 0x00
```

```
intucell@deb017:/intucell/maintenance_portal_6$
```

## Paso 3. El control de la batería, funciona con el comando: **megacli del sudo - AdpBbuCmd - GetBbuStatus - aALL - NoLog.**

```
$ sudo megacli -AdpBbuCmd -GetBbuStatus -aALL -NoLogBBU status for Adapter: 0BatteryType:
CVPM02Voltage: 9849 mVCurrent: 0 mATemperature: 25 CBattery State: OptimalBBU Firmware Status:
Charging Status : None Voltage : OK Temperature
: OK Learn Cycle Requested : No Learn Cycle Active : No
Learn Cycle Status : OK Learn Cycle Timeout : No I2c
Errors Detected : No Battery Pack Missing : No Battery
Replacement required : No Remaining Capacity Low : No Periodic
Learn Required : No Transparent Learn : No No space to
cache offload : No Pack is about to fail & should be replaced : No Cache Offload
premium feature required : No Module microcode update required : NoBBU GasGauge Status:
0x654e Pack energy : 334 J Capacitance : 101 Remaining reserve space
: 93Exit Code: 0x00
```

#### Paso 4. La información del disco físico, funciona con el comando: **megacli del sudo - AdpAllInfo - aALL.**

```
$ sudo megacli -AdpAllInfo -aALLAdapter
#0=====
Versions                =====Product Name      : LSI MegaRAID SAS 9271-8iSerial No
: SV50206143FW Package Build: 23.29.0-0014          Mfg. Data
=====Mfg. Date       : 01/04/15Rework Date      : 00/00/00Revision No      : 33BBattery
FRU      : N/A          Image Versions in Flash:      =====BIOS
Version    : 5.47.05.0_4.16.08.00_0x06080500WebBIOS Version  : 6.1-71-e_71-RelPreboot CLI
Version: 05.07-00:##00011FW Version      : 3.410.05-3484NVDATA Version  : 2.1406.03-
0134Boot Block Version : 2.05.00.00-0010BOOT Version   : 07.26.26.219          Pending
Images in Flash          =====None              PCI Info
=====Controller Id   : 0000Vendor Id       : 1000Device Id        : 005bSubVendorId
: 1000SubDeviceId      : 9271Host Interface  : PCIEChipRevision   : D1Link Speed       :
0Number of Frontend Port: 0Device Interface : PCIENumber of Backend Port: 8Port : Address0
74a2e6a2b23600bfl     0000000000000000002      00000000000000003      00000000000000004
0000000000000000005      0000000000000000006      00000000000000007      00000000000000000
HW Configuration        =====SAS Address      : 500605b009f61dd0BBU
: PresentAlarm         : PresentNVRAM        : PresentSerial Debugger : PresentMemory
: PresentFlash        : PresentMemory Size  : 1024MBTPM            : AbsentOn board
Expander: AbsentUpgrade Key      : AbsentTemperature sensor for ROC : PresentTemperature
sensor for controller : AbsentROC temperature : 74 degree Celsius      Settings
=====Current Time          : 7:3:27 2/19, 2016Predictive Fail Poll
Interval      : 300secInterrupt Throttle Active Count : 16Interrupt Throttle Completion :
50usRebuild Rate          : 30%PR Rate          : 30%BGI Rate
: 30%Check Consistency Rate      : 30%Reconstruction Rate      : 30%Cache Flush
Interval      : 4sMax Drives to Spinup at One Time : 2Delay Among Spinup Groups      :
12sPhysical Drive Coercion Mode : 1GBCluster Mode          : DisabledAlarm
: EnabledAuto Rebuild          : EnabledBattery Warning      : EnabledEcc
Bucket Size      : 15Ecc Bucket Leak Rate      : 1440 MinutesRestore HotSpare
on Insertion    : DisabledExpose Enclosure Devices      : EnabledMaintain PD Fail History
: DisabledHost Request Reordering : EnabledAuto Detect BackPlane Enabled : SGPIO/i2c
SEPLoad Balance Mode      : AutoUse FDE Only          : YesSecurity Key
Assigned        : NoSecurity Key Failed          : NoSecurity Key Not Backedup      :
NoDefault LD PowerSave Policy : AutomaticMaximum number of direct attached drives to spin
up in 1 min : 10Auto Enhanced Import      : YesAny Offline VD Cache Preserved : NoAllow
Boot with Preserved Cache : NoDisable Online Controller Reset : NoPFK in NVRAM
: YesUse disk activity for locate : NoPOST delay              : 90 secondsBIOS
Error Handling      : Pause on ErrorsCurrent Boot Mode      :Normal
Capabilities        =====RAID Level Supported      : RAID0, RAID1,
RAID5, RAID6, RAID00, RAID10, RAID50, RAID60, PRL 11, PRL 11 with spanning, SRL 3 supported,
PRL11-RLQ0 DDF layout with no span, PRL11-RLQ0 DDF layout with spanSupported Drives
: SAS, SATAAllowed Mixing:Mix in Enclosure AllowedMix of SAS/SATA of HDD type in VD AllowedMix
of SAS/SATA of SSD type in VD Allowed      Status      =====ECC
Bucket Count      : 0          Limitations      : 0          =====Max
Arms Per VD      : 32Max Spans Per VD      : 8Max Arrays      : 128Max Number of
VDs      : 64Max Parallel Commands      : 1008Max SGE Count      : 60Max Data Transfer
Size : 8192 sectorsMax Strips PerIO      : 42Max LD per array      : 64Min Strip Size
: 8 KBMax Strip Size      : 1.0 MBMax Configurable CacheCade Size: 0 GBCurrent Size of
CacheCade      : 0 GBCurrent Size of FW Cache      : 866 MB Device Present
=====Virtual Drives : 1 Degraded : 0 Offline : 0Physical Devices : 6 Disks : 4
Critical Disks : 0 Failed Disks : 0 Supported Adapter Operations =====Rebuild Rate :
YesCC Rate : YesBGI Rate : YesReconstruct Rate : YesPatrol Read Rate : YesAlarm Control :
YesCluster Support : NoBBU : YesSpanning : YesDedicated Hot Spare : YesRevertible Hot Spares :
YesForeign Config Import : YesSelf Diagnostic : YesAllow Mixed Redundancy on Array : NoGlobal
Hot Spares : YesDeny SCSI Passthrough : NoDeny SMP Passthrough : NoDeny STP Passthrough :
NoSupport Security : NoSnapshot Enabled : NoSupport the OCE without adding drives : YesSupport
PFK : YesSupport PI : YesSupport Boot Time PFK Change : NoDisable Online PFK Change : NoSupport
LDPI Type1 : NoSupport LDPI Type2 : NoSupport LDPI Type3 : NoPFK TrailTime Remaining : 0 days 0
hoursSupport Shield State : YesBlock SSD Write Disk Cache Change: NoSupport Online FW Update :
Yes Supported VD Operations =====Read Policy : YesWrite Policy : YesIO Policy :
YesAccess Policy : YesDisk Cache Policy : YesReconstruction : YesDeny Locate : NoDeny CC :
```

```
NoAllow Ctrl Encryption: NoEnable LDBBM : NoSupport Breakmirror : NoPower Savings : No Supported
PD Operations =====Force Online : YesForce Offline : YesForce Rebuild : YesDeny Force
Failed : NoDeny Force Good/Bad : NoDeny Missing Replace : NoDeny Clear : NoDeny Locate :
NoSupport Temperature : YesNCQ : YesDisable Copyback : NoEnable JBOD : NoEnable Copyback on
SMART : NoEnable Copyback to SSD on SMART Error : YesEnable SSD Patrol Read : NoPR Correct
Unconfigured Areas : YesEnable Spin Down of Unconfigured Drives : YesDisable Spin Down of hot
spares : NoSpin Down time : 30T10 Power State : No Error Counters =====Memory
Correctable Errors : 0Memory Uncorrectable Errors : 0 Cluster Information
=====Cluster Permitted : NoCluster Active : No Default Settings =====Phy
Polarity : 0Phy PolaritySplit : 0Background Rate : 30Strip Size : 64kBFlush Time : 4
secondsWrite Policy : WBRead Policy : AdaptiveCache When BBU Bad : DisabledCached IO : NoSMART
Mode : Mode 6Alarm Disable : YesCoercion Mode : 1GBZCR Config : UnknownDirty LED Shows Drive
Activity : NoBIOS Continue on Error : 1Spin Down Mode : Internal OnlyAllowed Device Type :
SAS/SATA MixAllow Mix in Enclosure : YesAllow HDD SAS/SATA Mix in VD : YesAllow SSD SAS/SATA Mix
in VD : YesAllow HDD/SSD Mix in VD : NoAllow SATA in Cluster : NoMax Chained Enclosures :
16Disable Ctrl-R : YesEnable Web BIOS : YesDirect PD Mapping : NoBIOS Enumerate VDs : YesRestore
Hot Spare on Insertion : NoExpose Enclosure Devices : YesMaintain PD Fail History : NoDisable
Puncturing : NoZero Based Enclosure Enumeration : NoPreBoot CLI Enabled : YesLED Show Drive
Activity : NoCluster Disable : YesSAS Disable : NoAuto Detect BackPlane Enable : SGPIO/i2c
SEPUse FDE Only : YesEnable Led Header : NoDelay during POST : 0EnableCrashDump : NoDisable
Online Controller Reset : NoEnableLDBBM : NoUn-Certified Hard Disk Drives : AllowTreat Single
span R1E as R10 : NoMax LD per array : 64Power Saving option : All power saving options are
enabledDefault spin down time in minutes: 30Enable JBOD : NoTTY Log In Flash : YesAuto Enhanced
Import : YesBreakMirror RAID Support : NoDisable Join Mirror : NoEnable Shield State : NoTime
taken to detect CME : 60sExit Code: 0x00
```

**Paso 5. La Verificación de consistencia, funciona con el comando: megacli del sudo - linfo - lALL - aALL.**

```
$ sudo megacli -linfo -lALL -aALLAdapter 0 -- Virtual Drive Information:Virtual Drive: 0
(Target Id: 0)Name :RAID10_1234RAID Level : Primary-1, Secondary-0, RAID
Level Qualifier-0Size : 1.088 TBSector Size : 512Is VD emulated :
NoMirror Data &colon; 1.088 TBState : OptimalStrip Size : 64
KBNumber Of Drives per span:2Span Depth : 2Default Cache Policy: WriteBack,
ReadAdaptive, Direct, No Write Cache if Bad BBUCurrent Cache Policy: WriteBack, ReadAdaptive,
Direct, No Write Cache if Bad BBUDefault Access Policy: Read/WriteCurrent Access Policy:
Read/WriteDisk Cache Policy : Disk's DefaultOngoing Progresses: Check Consistency : Completed
43%, Taken 11 min.Encryption Type : NonePI type: No PIIIs VD Cached: NoExit Code: 0x00
```

**Paso 6. Las configuraciones del intervalo de la Verificación de consistencia, funcionan con el comando: megacli del sudo - AdpCcSched - Info - aALL.**

El regulador RAID realiza una Verificación de consistencia del RAID cada 7 días. El retardo 168 del valor mostrado adentro aquí está en las horas.

```
$ sudo megacli -AdpCcSched -Info -aALLAdapter #0Operation Mode: ConcurrentExecution Delay:
168Next start time: 02/20/2016, 03:00:00Current State: ActiveNumber of iterations: 43Number of
VD completed: 0Excluded VDs : NoneExit Code: 0x00
```

**Paso 7. Consiga el registro de acontecimientos RAID, funcione con el comando: megacli del sudo - AdpEventLog - GetEvents - f events.log - gato events.log del && del aALL | más.**

```
$ sudo megacli -AdpEventLog -GetEvents -f events.log -aALL && cat events.log | moreSuccess in
AdpEventLogExit Code: 0x00Adapter: 0 - Number of Events : 1404seqNum: 0x00000002Seconds since
last reboot: 78Code: 0x0000001eClass: 0Locale: 0x20Event Description: Event log clearedEvent
Data&colon;=====NoneseqNum: 0x00000003Seconds since last reboot: 78Code: 0x0000002bClass:
0Locale: 0x20Event Description: Test event: 'Event log adjusted, possibly due Firmware version
incompatibility'Event Data&colon;=====String: Event log adjusted, possibly due Firmware
version incompatibilityseqNum: 0x00000004Seconds since last reboot: 4Code: 0x00000000Class:
0Locale: 0x20Event Description: Firmware initialization started (PCI ID
005b/1000/9271/1000)Event Data&colon;<Snip>
```

Problemas según lo visto en la interfaz Web de la administración integrada de Cisco que mira el

controlador de almacenamiento:

Control de la batería

### LSI MegaRAID SAS 9271-8i (SLOT-4)

Controller Info | Physical Drive Info | Virtual Drive Info | **Battery Backup Unit** | Storage Log

**Actions**

- Disable Auto Learn Mode
- Start Learn Cycle

**General**

Controller: **SLOT-4**  
Battery Type: **TMM-C SuperCap**  
Health: **⚠ Moderate Fault**  
Status: **Learn Cycle Active**  
Battery Present: **true**  
Temperature: **24 degrees C**  
Temperature High: **false**  
Capacitance: **97 %**  
Charging Status: **N/A**

**Advanced**

Manufacturer: **LSI**  
Serial Number: **19365**  
Date of Manufacture: **2014-10-26**  
Firmware Version: **25849-03**  
Design Voltage: **9.411 V**  
Voltage: **10.415 V**  
Current: **0.000 A**  
Design Capacity: **283 Joules**  
Pack Energy: **357 Joules**  
Learn Mode: **Auto**  
Learn Cycle Status: **Active**  
Learn Cycle Requested: **true**  
Next Learn Cycle: **2015-11-19 02:39**

### Fault Entries

<<Newest <Newer **Fault Entries 1 to 2 (2)** Older> Oldest>> Entries Per Page: 50

Time	Severity	Code	DN	Description
2015-11-19T02:07:12	Warning	F1008	sys/rack-unit-1/board/storage-SAS-SLOT-4/vd-0	Storage Virtual Drive 0 Degraded: please check the storage controller, or reset the
2015-11-19T02:05:55	Minor	F0997	sys/rack-unit-1/board/storage-SAS-SLOT-4/raid-ba	Storage Raid Battery SLOT-4 Degraded: please check the battery or the storage cor

Usted puede salvar el registro para la análisis posterior.

Cisco Integrated Management Controller

Overall Server Status: **Moderate Fault**

Server | Admin | Storage

User Management  
Network  
Communications Services  
Certificate Management  
Event Management  
Firmware Management  
Utilities

**Utilities**

Actions

- Export Technical Support Data to Remote Server
- Download Technical Support Data to Local File**
- Export Cisco IMC Configuration
- Import Cisco IMC Configuration
- Reset Cisco IMC to Factory Default Configuration
- Reboot Cisco IMC
- Generate NMI to Host

Last Technical Support Data Export  
Status: **Completed (100%)**

Cisco IMC Configuration Import/Export  
Action: **N/A**  
Status: **N/A**  
Diagnostic Message: **NONE**

Select location for download by 127.0.0.1

Save in: Downloads

Name	Date modified	Type
C240-FCH1902V2HC-20160223-184634.tar.gz	2/23/2016 6:47 PM	GZ File
FirefoxSetup	9/16/2015 12:03 AM	Applicatic
flashplayer20_ga_install	1/27/2016 12:11 AM	Applicatic
megacli_8.07.14-1_amd64.deb	2/22/2016 9:40 PM	DEB File
platform_event.csv	2/23/2016 3:41 PM	CSV File
VMware-viclient	10/1/2015 9:21 PM	Applicatic
WindowsActivationUpdate	11/2/2015 1:37 PM	Applicatic
winscp576setup	2/4/2016 2:49 AM	Applicatic

File name: C240-FCH1902V2HC-20160223-203149.tar  
Save as type: All Files (\*.\*)

Warning: This file may be an executable program or contain malicious content, use caution before saving or opening.

Save Changes | Reset Values

## Hardware de Hewlett-Packard (HP)

Para HP hay un paquete especial para Debian que las necesidades de ser instalado para acceder al regulador y a los discos físicos RAID. El paquete se nombra [hpacucli 9.40.1-1. amd64.deb](http://downloads.linux.hpe.com/SDR/repo/mcp/debian/pool/non-free/hpacucli_9.40.1-1_amd64.deb)

### Paso 1. Instalación:

- Inicie sesión a su sistema Linux con su cuenta privada.
- Descargue el paquete a su sistema  
Linux: wget [http://downloads.linux.hpe.com/SDR/repo/mcp/debian/pool/non-free/hpacucli\\_9.40.1-1. amd64.deb](http://downloads.linux.hpe.com/SDR/repo/mcp/debian/pool/non-free/hpacucli_9.40.1-1_amd64.deb)
- funcione con el comando: ¿dpkg del sudo? i [hpacucli 9.40.1-1. amd64.deb](http://downloads.linux.hpe.com/SDR/repo/mcp/debian/pool/non-free/hpacucli_9.40.1-1_amd64.deb)

Cuando se acaba la instalación, usted puede trabajar con la manipulación RAID usando la herramienta siguiente CLI: hpacucli

La herramienta permite el traer de la información apropiada del regulador RAID así como el cambiar de la configuración con los componentes RAID.

Paso 2. Los detalles de la configuración de controlador de la visualización, funcionan con el comando: **el Ctrl todo del hpacucli muestra el detalle de los config.**

```
# hpacucli ctrl all show config detailSmart Array P410i in Slot 0 (Embedded) Bus Interface:
PCI Slot: 0 Serial Number: 50123456789ABCDE Cache Serial Number: PACQ9SY9NUH RAID 6
(ADG) Status: Disabled Controller Status: OK Hardware Revision: C Firmware Version: 2.50
Rebuild Priority: Medium Expand Priority: Medium Surface Scan Delay: 15 secs Surface Scan
Mode: Idle Queue Depth: Automatic Monitor and Performance Delay: 60 min Elevator Sort:
Enabled Degraded Performance Optimization: Disabled Inconsistency Repair Policy: Disabled
Wait for Cache Room: Disabled Surface Analysis Inconsistency Notification: Disabled Post
Prompt Timeout: 0 secs Cache Board Present: True Cache Status: OK Cache Ratio: 25% Read /
75% Write Drive Write Cache: Disabled Total Cache Size: 256 MB Total Cache Memory
Available: 144 MB No-Battery Write Cache: Disabled Cache Backup Power Source: Batteries
Battery/Capacitor Count: 1 Battery/Capacitor Status: OK SATA NCQ Supported: True Array: A
Interface Type: SAS Unused Space: 0 MB Status: OK Array Type: Data Logical
Drive: 1 Size: 136.7 GB Fault Tolerance: 1 Heads: 255 Sectors
Per Track: 32 Cylinders: 35132 Strip Size: 128 KB Full Stripe Size: 128
KB Status: OK Caching: Enabled Unique Identifier:
600508B1001037383941424344450E00 Disk Name: /dev/cciss/c0d0 Mount Points: /boot
243 MB OS Status: LOCKED Logical Drive Label: A00F9DBE50123456789ABCDEA8A8
Mirror Group 0: physicaldrive 1I:1:1 (port 1I:box 1:bay 1, SAS, 146 GB, OK)
Mirror Group 1: physicaldrive 1I:1:2 (port 1I:box 1:bay 2, SAS, 146 GB, OK)
Drive Type: Data physicaldrive 1I:1:1 Port: 1I Box: 1 Bay: 1
Status: OK Drive Type: Data Drive Interface Type: SAS Size: 146 GB
Rotational Speed: 10000 Firmware Revision: HPD5 Serial Number: D0A1P9B09YJW0949
Model: HP EG0146FARTR Current Temperature (C): 18 Maximum Temperature (C):
39 PHY Count: 2 PHY Transfer Rate: 6.0Gbps, Unknown physicaldrive 1I:1:2
Port: 1I Box: 1 Bay: 2 Status: OK Drive Type: Data Drive
Interface Type: SAS Size: 146 GB Rotational Speed: 10000 Firmware
Revision: HPD5 Serial Number: D0A1P9B09YKM0949 Model: HP EG0146FARTR
Current Temperature (C): 17 Maximum Temperature (C): 47 PHY Count: 2 PHY
Transfer Rate: 6.0Gbps, Unknown SEP (Vendor ID PMCSIERA, Model SRC 8x6G) 250 Device
Number: 250 Firmware Version: RevC WWID: 50123456789ABCED Vendor ID: PMCSIERA
Model: SRC 8x6G
```

Paso 3. Muestre el estado de controlador, funcione con el comando: **el Ctrl todo del hpacucli muestra el estatus.**

```
# hpacucli ctrl all show statusSmart Array P410i in Slot 0 (Embedded) Controller Status: OK
```



Cache Status: OK Battery/Capacitor Status: OK

Paso 4. El estatus del show physical, funciona con el comando: **el paladio todo Ctrl slot=0 del hpacucli muestra el estatus.**

```
# hpacucli ctrl slot=0 pd all show status    physicaldrive 1I:1:1 (port 1I:box 1:bay 1, 146 GB):  
OK    physicaldrive 1I:1:2 (port 1I:box 1:bay 2, 146 GB): OK
```

Paso 5. Muestre el estatus lógico, funcione con el comando: **el Ctrl slot=0 ld todo del hpacucli muestra el estatus.**

```
# hpacucli ctrl slot=0 pd all show status    physicaldrive 1I:1:1 (port 1I:box 1:bay 1, 146 GB):  
OK    physicaldrive 1I:1:2 (port 1I:box 1:bay 2, 146 GB): OKroot@deb011:/intucell# hpacucli ctrl  
slot=0 ld all show status    logicaldrive 1 (136.7 GB, 1): OK
```

## Solución

A veces una mala batería en uno de los servidores puede ser la razón de ella. Usted debe sustituirla.

Esto soluciona el problema y reduce la alta utilización del funcionamiento del disco.