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Introduction
This guide contains a listing of the Linux Trap ID messages associated with SNMP traps that are generated by the HP Insight Management Agents for Servers for Linux. Each event entry has the corresponding SNMP trap number used by the agents.

Where to go for additional help
In addition to this guide, the following information sources are available:
- User documentation
- HP Insight Manager software

Telephone numbers
If you have purchased a Care Pack (service upgrade), call 1-800-633-3600. For more information about Care Packs, refer to the HP website (http://www.hp.com).

In other locations, see the Contact HP worldwide (in English) webpage (http://welcome.hp.com/country/us/en/wwcontact.html).
Foundation agents

Trap IDs: 10003-10008

10003 - cmathreshd
Log message: “Compaq Generic Test Trap (10003): %s”
SNMP trap: cpqHo2GenericTrap - 1003 in PHOST.MIB
Symptom: Generic trap.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqHoGenericData
Supporting SNMP trap description: “[cpqHoGenericData]”

10004 - cmathreshd
Log message: “%s: Variable %s has value %d <= %d.”
SNMP trap: cpqMe2FallingAlarm - 10004 in CPQTHRESH.MIB
Symptom: Falling Threshold passed. An alarm entry has crossed its falling threshold. The instances of those objects contained within the variable list are those of the alarm entry which generated this trap.
User action: None required
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqMeAlarmVariable
- cpqMeAlarmSampleTyp
- cpqMeAlarmValue
- cpqMeAlarmFallingThreshold
- cpqMeAlarmOwner
Supporting SNMP trap description: “[cpqMeAlarmOwner]: Variable [cpqMeAlarmVariable] has value [cpqMeAlarmValue] <= [cpqMeAlarmFallingThreshold].”

10005 - cmathreshd
Log message: “Rising Threshold Trap”
“Alarm Variable %s”
“Threshold Value %d”
“Alarm Value %d”
“Alarm Sample Type %s”
“Alarm Owner %s”
“Alarm Severity %d”
“Alarm Description %s”
SNMP trap: cpqMeRisingAlarmExtended - 10005 in CPQTHRESH.MIB
Symptom: Rising Threshold passed. An alarm entry has crossed its rising threshold. The instances of those objects contained within the variable list are those of the alarm entry which generated this trap.
User action: None required
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqMeAlarmVariable
- cpqMeAlarmSampleType
- cpqMeAlarmValue
- cpqMeAlarmRisingThreshold
- cpqMeAlarmOwner
• cpqMeAlarmSeverity
• cpqMeAlarmExtendedDescription
Supporting SNMP trap description: "[cpqMeAlarmOwner]: Variable [cpqMeAlarmVariable] has value [cpqMeAlarmValue] >= [cpqMeAlarmRisingThreshold]."

10006 - cmathreshd
Log message: "Falling Threshold Trap"
  "Alarm Variable %s" "Threshold Value %d"
  "Alarm Value %d" "Alarm Sample Type %s"
  "Alarm Owner %s"
  "Alarm Severity %d"
  "Alarm Description %s"
SNMP trap: cpqMeFallingAlarmExtended - 10006 in CPQTHRSH.MIB
Symptom: Falling Threshold passed. An alarm entry has crossed its falling threshold. The instances of those objects contained within the variable list are those of the alarm entry which generated this trap.
Supporting SNMP trap data:
• sysName
• cpqHoTrapFlags
• cpqMeAlarmVariable
• cpqMeAlarmSampleType
• cpqMeAlarmValue
• cpqMeAlarmFallingThreshold
• cpqMeAlarmOwner
• cpqMeAlarmSeverity
• cpqMeAlarmExtendedDescription
Supporting SNMP trap description: "[cpqMeAlarmOwner]: Variable [cpqMeAlarmVariable] has value [cpqMeAlarmValue] <= [cpqMeAlarmFallingThreshold]."

10007 - cmathreshd
Log message: "%s: Variable %s has value %d >= %d."  
SNMP trap: cpqMeCriticalRisingAlarmExtended - 10007 in CPQTHRSH.MIB
Symptom: Critical Rising Threshold passed. An alarm entry has crossed its critical rising threshold. The instances of those objects contained within the variable list are those of the alarm entry which generated this trap.
User action: None required
Supporting SNMP trap data:
• sysName
• cpqHoTrapFlags
• cpqMeAlarmVariable
• cpqMeAlarmSampleType
• cpqMeAlarmValue
• cpqMeAlarmRisingThreshold
• cpqMeAlarmOwner
• cpqMeAlarmSeverity
• cpqMeAlarmExtendedDescription
Supporting SNMP trap description: "[cpqMeAlarmOwner]: Variable [cpqMeAlarmVariable] has value [cpqMeAlarmValue] >= [cpqMeAlarmRisingThreshold]."

10008 - cmathreshd
Log message: "%s: Variable %s has value %d >= %d."  
SNMP trap: cpqMeCriticalFallingAlarmExtended - 10008 in CPQTHRSH.MIB
Symptom: Critical Falling Threshold passed. An alarm entry has crossed its critical falling threshold. The instances of those objects contained within the variable list are those of the alarm entry which generated this trap.
User action: None required
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqMeAlarmVariable
- cpqMeAlarmSampleType
- cpqMeAlarmValue
- cpqMeAlarmFallingThreshold
- cpqMeAlarmOwner
- cpqMeAlarmSeverity
- cpqMeAlarmExtendedDescription

Supporting SNMP trap description: “[cpqMeAlarmOwner]: Variable [cpqMeAlarmVariable] has value [cpqMeAlarmValue] >= [cpqMeAlarmRisingThreshold].”

Storage agents

Trap IDs: 3016-3047

3016 – cmaidad
Log message: “Controller Role Changes: Controller in slot [cpqDaCntlrSlot] is now active.”
SNMP trap: cpqDaCntlrActive - 3016 in CPQIDA.MIB
Symptom: Controller Active. The agent has detected that a backup array controller in a duplexed pair has switched over to the active role. The variable cpqDaCntlrSlot indicates the active controller slot and cpqDaCntlrPartnerSlot indicates the backup.
User action: Check the partner controller for problems. If this was the result of a user initiated switch over, no action is required.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqDaCntlrSlot
- cpqDaCntlrPartnerSlot

Supporting SNMP trap description: “Controller in slot [cpqDaCntlrSlot] is now active.”

3033 - cmaidad
Log message: “Controller Status Change: [cpqDaCntlrHwLocation]. Status is now [cpqDaCntlrBoardStatus string].”
SNMP trap: cpqDa6CntlrStatusChange - 3033 in CPQIDA.MIB
Symptom: Controller Status Change. The agent has detected a change in the status of a drive array controller. The variable cpqDaCntl rBoardStatus indicates the current controller status.
User action: If the board status is generalFailure(3), you might need to replace the controller. If the board status is cableProblem(4), check the cable connections between the controller and the storage system.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqDaCntlrHwLocation
- cpqDaCntlrIndex
- cpqDaCntlrBoardStatus
- cpqDaCntlrModel
- cpqDaCntlrSerialNumber
- cpqDaCntlrFWRev
- cpqDaAccelTotalMemory
Supporting SNMP trap description: “Status is now [cpqDaCntl rBoardStatus].”

3034 - cmaidad
Log message: “Logical Drive Status Change: [cpqDaCntl rHwLocation], Drive: [cpqDaLogDrvIndex]. Status is now [cpqDaLogDrvStatus].”
SNMP trap: cpqDa6LogDrvStatusChange - 3034 in CPQIDA.MIB
Symptom: Logical Drive Status Change. The agent has detected a change in the status of a drive array logical drive. The variable cpqDaLogDrvStatus indicates the current logical drive status.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqDaCntlrHwLocation
- cpqDaLogDrvCntlrIndex
- cpqDaLogDrvIndex
- cpqDaLogDrvStatus

Supporting SNMP trap description: “Status is now [cpqDaLogDrvStatus].”

3038 - cmaidad
Log message: “Accelerator Board Status Change, slot number: [cpqDaCntlrSlot]. Status is now [cpqDaAccelStatus string].”
SNMP trap: cpqDa6AccelStatusChange - 3038 in CPQIDA.MIB
Symptom: Accelerator Board Status Change. The agent has detected a change in the status of an array accelerator cache board. The current status is represented by the variable cpqDaAccelStatus.
User action: If the accelerator board status is permDisabled(5), you might need to replace the accelerator board.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqDaCntlrHwLocation
- cpqDaCntlrModel
- cpqDaAccelCntlrIndex
- cpqDaAccelSerialNumber
- cpqDaAccelTotalMemory
- cpqDaAccelStatus
- cpqDaAccelErrCode

Supporting SNMP trap description: “Status is now [cpqDaAccelStatus].”

3039 - cmaidad
Log message: “Accelerator Board Bad Data, slot number: [cpqDaCntlrSlot]. Accelerator lost battery power. Data Loss possible.”
SNMP trap: cpqDa6AccelBadDataTrap - 3039 in CPQIDA.MIB
Symptom: Accelerator Board Bad Data. The agent has detected an array accelerator cache board that has lost battery power. If data was being stored in the accelerator cache memory when the server lost power, that data has been lost.
User action: Verify that no data was lost.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqDaCntlrHwLocation
- cpqDaCntlrModel
- cpqDaAccelCntlrIndex
- cpqDaAccelSerialNumber
- cpqDaAccelTotalMemory
- cpqDaAccelStatus

Supporting SNMP trap description: “Accelerator lost battery power. Data Loss possible.”
3040 - cmaidad
Log message: "Accelerator Board Battery status change, slot number: [cpqDaCntlrSlot]. Battery failed. Status: %s."
SNMP trap: cpqDa6AccelBatteryFailed - 3040 in CPQIDA.MIB
Symptom: Accelerator Board Battery Failed. The agent has detected a battery failure associated with the array accelerator cache board.
User action: Replace the Accelerator Cache Board.
Supporting SNMP trap data:
  • sysName
  • cpqHoTrapFlags
  • cpqDaCntlrHwLocation
  • cpqDaCntlrModel
  • cpqDaAccelCntlrIndex
  • cpqDaAccelSerialNumber
  • cpqDaAccelTotalMemory
Supporting SNMP trap description: "Battery status is failed"

3041 - cmaidad
Log message: "Status is now %d for the tape library."
SNMP trap: cpqDa6TapeLibraryStatusChange - 3041 in CPQIDA.MIB
Symptom: "Tape Library Status Changed. This trap signifies that the agent has detected a change in the status of a tape library. The variable cpqDaTapeLibraryStatus indicates the current tape library status. The variable cpqDaTapeLibraryScsiTarget indicates the SCSI ID of the tape library."
User action: If the tape library is failed, check the tape library front panel.
Supporting SNMP trap data:
  • sysName
  • cpqHoTrapFlags
  • cpqDaCntlrHwLocation
  • cpqDaTapeLibraryCntlrIndex
  • cpqDaTapeLibraryScsiBus
  • cpqDaTapeLibraryScsiTarget
  • cpqDaTapeLibraryScsiLun
  • cpqDaTapeLibraryModel
  • cpqDaTapeLibraryFWRev
  • cpqDaTapeLibrarySerialNumber
  • cpqDaTapeLibraryStatus
Supporting SNMP trap description: "Status is now [cpqDaTapeLibraryStatus] for the tape library."

3042 - cmaidad
Log message: "The door is %d for tape library."
SNMP trap: cpqDa6TapeLibraryDoorStatusChange - 3042 in CPQIDA.MIB
Symptom: "Tape Library Door Status Change. This trap signifies that the agent has detected a change in the door status of a tape library. The variable cpqDaTapeLibraryDoorStatus indicates the current tape library door status. The variable cpqDaTapeLibraryScsiTarget indicates the the SCSI ID of the tape library."
User action: If the tape library door is open, close the tape library door.
Supporting SNMP trap data:
  • sysName
  • cpqHoTrapFlags
  • cpqDaCntlrHwLocation
  • cpqDaTapeLibraryCntlrIndex
  • cpqDaTapeLibraryScsiBus
  • cpqDaTapeLibraryScsiLun
- cpqDaTapeLibraryScsiTarget
- cpqDaTapeLibraryScsiLun
- cpqDaTapeLibraryModel
- cpqDaTapeLibraryFWRev
- cpqDaTapeLibrarySerialNumber
- cpqDaTapeLibraryDoorStatus

Supporting SNMP trap description: "The door is [cpqDaTapeLibraryStatus] for tape library."

3043 - cmaidad
Log message: "Tape Drive Status Change, slot number: [cpqDaCntlrSlot], bus number: [cpqDaTapeDrvBusIndex], drive ID: [cpqDaTapeDrvScsiIdIndex]. Status is now [cpqDaTapeDrvStatus string]."
SNMP trap: cpqDa6TapeDriveStatusChange - 3043 in CPQIDA.MIB
Symptom: Tape Drive Status Change. The agent has detected a change in the status of a tape drive. The variable cpqDaTapeDrvStatus indicates the current tape status. The variable cpqDaTapeDrvScsiIdIndex indicates the SCSI ID of the tape drive.
User action: If the tape is failed, check the tape and all SCSI connections.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqDaCntlrHwLocation
- cpqDaTapeDrvCntlrIndex
- cpqDaTapeDrvBusIndex
- cpqDaTapeDrvScsiIdIndex
- cpqDaTapeDrvLunIndex
- cpqDaTapeDrvName
- cpqDaTapeDrvFwRev
- cpqDaTapeDrvSerialNumber
- cpqDaTapeDrvStatus

Supporting SNMP trap description: "Status is now [cpqDaTapeDrvStatus] for a tape drive."

3044 - cmaidad
Log message: "Tape Drive Cleaning Required, slot number: [cpqDaCntlrSlot], bus number: [cpqDaTapeDrvBusIndex], drive ID: [cpqDaTapeDrvScsiIdIndex]."
SNMP trap: cpqDa6TapeDriveCleaningRequired - 3044 in CPQIDA.MIB
Symptom: Tape Drive Cleaning Required trap. The agent has detected a tape drive that needs to have a cleaning tape inserted and run. This will cause the tape drive heads to be cleaned.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqDaCntlrHwLocation
- cpqDaTapeDrvCntlrIndex
- cpqDaTapeDrvBusIndex
- cpqDaTapeDrvScsiIdIndex
- cpqDaTapeDrvLunIndex
- cpqDaTapeDrvName
- cpqDaTapeDrvFwRev
- cpqDaTapeDrvSerialNumber

Supporting SNMP trap description: "Cleaning is needed for the tape drive."

3045 - cmaidad
Log message: "Tape Drive Cleaning Tape Needs Replacing, slot number: [cpqDaCntlrSlot], bus number: [cpqDaTapeDrvBusIndex], drive ID: [cpqDaTapeDrvScsiIdIndex]."
SNMP trap: cpqDa6TapeDriveCleanTapeReplace - 3045 in CPQIDA.MIB
Symptom: Tape Drive Cleaning Tape Needs Replacing. The agent has detected that an autoloader tape unit has a cleaning tape that has been fully used and needs to be replaced with a new cleaning tape.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqDaCntlrHwLocation
- cpqDaTapeDrvCntlrIndex
- cpqDaTapeDrvBusIndex
- cpqDaTapeDrvScsiIdIndex
- cpqDaTapeDrvLunIndex
- cpqDaTapeDrvName
- cpqDaTapeDrvFwRev
- cpqDaTapeDrvSerialNumber
Supporting SNMP trap description: “Cleaning tape needs replacing”

3046 - cmidad
Log message: “Physical Drive Status Change: [cpqDaCntlrHwLocation] [cpqDaPhyDrvLocationString]. Status is now [cpqDaPhyDrvStatus string].”
SNMP trap: - cpqDa7PhyDrvStatusChange 3046 in CPQIDA.MIB
Symptom: Physical Drive Status Changed. The agent has detected a change in the status of a drive array physical drive. The variable cpqDaPhyDrvStatus indicates the current physical drive status.
User action: If the physical drive status is failed(3) or predictiveFailure(4), replace the drive.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqDaCntlrHwLocation
- cpqDaPhyDrvCntlrIndex
- cpqDaPhyDrvIndex
- cpqDaPhyDrvLocationString
- cpqDaPhyDrvType
- cpqDaPhyDrvModel
- cpqDaPhyDrvFWRev
- cpqDaPhyDrvSerialNum
- cpqDaPhyDrvFailureCode
- cpqDaPhyDrvStatus
- cpqDaPhyDrvBusNumber
Supporting SNMP trap description: “Physical Drive Status is now [cpqDaPhyDrvStatus].”

3047 - cmidad
Log message: “Spare Drive Status Change: [cpqDaCntlrHwLocation] [cpqDaSpareLocationString]. Status is now [cpqDaSpareStatus string].”
SNMP trap: cpqDa7SpareStatusChange - 3047 in CPQIDA.MIB
Symptom: Spare Drive Status Change. The agent has detected a change in the status of a drive array spare drive. The variable cpqDaSpareStatus indicates the current spare drive status.
User action: If the spare drive status is failed, replace the drive.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqDaCntlrHwLocation
- cpqDaSpareCntlrIndex
- cpqDaSparePhyDrvIndex
- cpqDaSpareStatus
- cpqDaSpareLocationString
- cpqDaSpareBusNumber

Supporting SNMP trap description: “Spare Status is now [cpqDaSpareStatus].”

**Trap IDs: 5008-5025**

**5008 - cmascsid**
Log message: “Tape drive cleaning required: Status is now [cpqTapePhyDrvCondition].”
SNMP trap: cpqTape3PhyDrvCleaningRequired - 5008 in CPQSCSI.MIB
Symptom: Tape Drive Cleaning Required trap. The agent has detected a tape drive that needs to have a cleaning tape inserted and run. This will cause the tape drive heads to be cleaned.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqTapePhyDrvCondition

Supporting SNMP trap description: “Status is now [cpqTapePhyDrvCondition].”

**5009 - cmascsid**
Log message: “Tape drive cleaning tape needs replacing. Status is now [cpqTapePhyDrvCondition].”
SNMP trap: cpqTape3PhyDrvCleanTapeReplace - 5009 in CPQSCSI.MIB
Symptom: Tape Drive Cleaning Tape Needs Replacing. The agent has detected that an autoloader tape unit has a cleaning tape that has been fully used and needs to be replaced with a new cleaning tape.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqTapePhyDrvCondition

Supporting SNMP trap description: “Status is now [cpqTapePhyDrvCondition].”

**5013 - cmascsid**
Log message: “Tape library [cpqTapeLibrarySerialNumber] door opened”
SNMP trap: cpqTape3LibraryDoorOpen - 5013 in CPQSCSI.MIB
Symptom: Tape Library Door Open. The agent has detected that the door on an autoloader is open so the unit is not operational.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqTapeLibrarySerialNumber

Supporting SNMP trap description: “Tape library [cpqTapeLibrarySerialNumber] door opened”

**5014 - cmascsid**
Log message: “Tape library [cpqTapeLibrarySerialNumber] door closed”
SNMP trap: cpqTape3LibraryDoorClosed - 5014 in CPQSCSI.MIB
Symptom: Tape Library Door Closed. The agent has detected that the door on an autoloader has closed.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqTapeLibrarySerialNumber

Supporting SNMP trap description: “Tape library [cpqTapeLibrarySerialNumber] door closed”

**5018 - cmascsid**
Log message: “Tape Library Status Changed: Status is now [cpqTapeLibraryState].”
SNMP trap: cpqTapeLibraryStatusChange - 5018 in CPQSCSI.MIB
Symptom: Tape Library Status Change. The agent has detected a change in the status of a tape library. The current tape library status is indicated in the cpqTapeLibraryState variable.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqTapeLibraryCntlrIndex
- cpqTapeLibraryBusIndex
- cpqTapeLibraryScsiIdIndex
- cpqTapeLibraryLunIndex
- cpqTapeLibraryName
- cpqTapeLibraryFwRev
- cpqTapeLibrarySerialNumber
- cpqTapeLibraryState

Supporting SNMP trap description: “Status is now [cpqTapeLibraryState].”

5019 - cmascsid
Log message: “Tape Drive Status Changed: Status is now [cpqTapePhyDrvStatus].”
SNMP trap: cpqTape5PhyDrvStatusChange - 5019 in CPQSCSI.MIB
Symptom: Tape Drive Status Change. The agent has detected a change in the status of a tape drive. The current physical drive status is indicated in the cpqTapePhyDrvStatus variable.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqTapePhyDrvCntlrIndex
- cpqTapePhyDrvBusIndex
- cpqTapePhyDrvScsiIdIndex
- cpqTapePhyDrvLunIndex
- cpqTapePhyDrvName
- cpqTapePhyDrvFwRev
- cpqTapePhyDrvSerialNumber
- cpqTapePhyDrvStatus

Supporting SNMP trap description: “Status is now [cpqTapePhyDrvStatus].”

5020 - cmascsid
SNMP trap: cpqScsi5PhyDrvStatusChange - 5020 in CPQSCSI.MIB
Symptom: Physical Drive Status Change. The agent has detected a change in the status of a SCSI physical drive. The current physical drive status is indicated in the cpqScsiPhyDrvStatus variable.
User action: None required
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqScsiPhyDrvStatus
- cpqScsiPhyDrvCntlrIndex
- cpqScsiPhyDrvBusIndex
- cpqScsiPhyDrvIndex
- cpqScsiPhyDrvVendor
- cpqScsiPhyDrvModel
- cpqScsiPhyDrvFwRev
- cpqScsiPhyDrvSerialNum
- cpqScsiPhyDrvOsName

Supporting SNMP trap description: “Status is now [cpqScsiPhyDrvStatus].”

5022 - cmasasdd
Log message: “SAS Physical Drive Status Changed: Status changed from [previous
SNMP trap: cpqSasPhyDrvStatusChange - 5022 in CPQSCSI.MIB
Symptom: Physical Drive Status Change. The agent has detected a change in the status of a SAS or SATA physical drive. The current physical drive status is indicated in the cpqSasPhyDrvStatus variable.
User action: None required
Supporting SNMP trap data:
  • sysName
  • cpqHoTrapFlags
  • cpqSasHbaHwLocation
  • cpqSasPhyDrvLocationString
  • cpqSasPhyDrvHbaIndex
  • cpqSasPhyDrvIndex
  • cpqSasPhyDrvStatus
  • cpqSasPhyDrvType
  • cpqSasPhyDrvModel
  • cpqSasPhyDrvFWRev
  • cpqSasPhyDrvSerialNumber
  • cpqSasPhyDrvSasAddress
Supporting SNMP trap description: “Status is now [cpqSasPhyDrvStatus].”

5023 - cmasasd
Log message: “SAS Logical Drive Status Changed: Status changed from [previous cpqSasLogDrvStatus] to [current cpqSasLogDrvStatus].”
SNMP trap: cpqSasLogDrvStatusChange - 5023 in CPQSCSI.MIB
Symptom: Logical Drive Status Change. The agent has detected a change in the status of a SAS or SATA logical drive. The current logical drive status is indicated in the cpqSasLogDrvStatus variable.
User action: None required
Supporting SNMP trap data:
  • sysName
  • cpqHoTrapFlags
  • cpqSasHbaHwLocation
  • cpqSasLogDrvHbaIndex
  • cpqSasLogDrvIndex
  • cpqSasLogDrvStatus
  • cpqSasLogDrvOsName
Supporting SNMP trap description: “Status is now [cpqLogPhyDrvStatus].”

5025 - cmasasd
Log message: “SAS Tape Drive Status Changed: Status changed from [previous cpqSasTapeDrvStatus] to [current cpqSasTapeDrvStatus].”
SNMP trap: cpqSas2TapeDrvStatusChange - 5025 in CPQSCSI.MIB
Symptom: SAS Tape Drive Status Change. The agent has detected a change in the status of a SAS tape drive. The current tape drive status is indicated in the cpqSasTapeDrvStatus variable.
User action: None required
Supporting SNMP trap data:
  • sysName
  • cpqHoTrapFlags
  • cpqSasHbaHwLocation
  • cpqSasTapeDrvLocationString
  • cpqSasTapeDrvHbaIndex
  • cpqSasTapeDrvIndex
  • cpqSasTapeDrvName
  • cpqSasTapeDrvFWRev
  • cpqSasTapeDrvSerialNumber
• cpqSasTapeDrvSasAddress
• cpqSasTapeDrvStatus

Supporting SNMP trap description: “Status is now [cpqSasPhyDrvStatus].”

**Trap IDs: 8008-8031**

**8008 - cmascsid**
Log message: “Storage system fan status changed to [cpqSsBoxFanStatus string].”
SNMP trap: cpqSs3FanStatusChange - 8008 in CPQSTSYS.MIB
Symptom: Storage system fan status change. The agent has detected a change in the Fan Status of a storage system. The variable cpqSsBoxFanStatus indicates the current fan status.
User action: If the fan status is degraded or failed, replace any failed fans.

Supporting SNMP trap data:
• sysName
• cpqHoTrapFlags
• cpqSsBoxFanStatus

Supporting SNMP trap description: “Storage System fan status changed to [cpqSsBoxFanStatus].”

**8009 - cmascsid**
Log message: “Storage system temperature failure.”
SNMP trap: cpqSs3TempFailed - 8009 in CPQSTSYS.MIB
Symptom: Storage system temperature failure. The agent has detected that a temperature status has been set to Failed. The storage system will be shut down.
User action: Shut down the storage system as soon as possible. Ensure that the storage system environment is cooled properly and that no components are overheated.

Supporting SNMP trap data:
• sysName
• cpqHoTrapFlags
• cpqSsBoxTempStatus

Supporting SNMP trap description: “Storage System will be shut down.”

**8010 - cmascsid**
Log message: “Storage system temperature degraded.”
SNMP trap: cpqSs3TempDegraded - 8010 in CPQSTSYS.MIB
Symptom: Storage system temperature degraded. The agent has detected a temperature status that has been set to degraded. The storage system's temperature is outside of the normal operating range.
User action: Shut down the storage system as soon as possible. Ensure that the storage system environment is cooled properly and that no components are overheated.

Supporting SNMP trap data:
• sysName
• cpqHoTrapFlags
• cpqSsBoxTempStatus

Supporting SNMP trap description: “Temp is outside of normal range.”

**8011 - cmascsid**
Log message: “Storage system temperature OK.”
SNMP trap: cpqSs3TempOk - 8011 in CPQSTSYS.MIB
Symptom: Storage system temperature ok. The temperature status has been set to OK. The storage system's temperature has returned to normal operating range. It can be reactivated by the administrator.
User action: None

Supporting SNMP trap data:
• sysName
• cpqHoTrapFlags
• cpqSsBoxTempStatus
Supporting SNMP trap description: “Storage System temperature ok.”

8012 - cmascsid
Log message: “Storage system side panel is re-installed on unit.”
SNMP trap: cpqSs3SidePanelInPlace - 8012 in CPQSTSYS.MIB
Symptom: Storage System side panel is in place. The side panel status has been set to in place. The storage system’s side panel has returned to a properly installed state.
User action: None.
Supporting SNMP trap data:
• sysName
• cpqHoTrapFlags
• cpqSsBoxSidePanelStatus
Supporting SNMP trap description: “Side panel is re-installed on unit.”

8013 - cmascsid
Log message: “Storage system side panel is removed from unit.”
SNMP trap: cpqSs3SidePanelRemoved - 8013 in CPQSTSYS.MIB
Symptom: Storage system side panel is removed. The side panel status has been set to removed. The storage system’s side panel is not in a properly installed state. This situation might result in improper cooling of the drives in the storage system because of airflow changes caused by the missing side panel.
User action: Replace the storage system side panel.
Supporting SNMP trap data:
• sysName
• cpqHoTrapFlags
• cpqSsBoxSidePanelStatus
Supporting SNMP trap description: “Side panel is removed from unit.”

8015 - cmascsid
Log message: “A storage system power supply unit has become degraded.”
SNMP trap: cpqSs4PwrSupplyDegraded - 8015 in CPQSTSYS.MIB
Symptom: A storage system power supply status has been set to degraded.
User action: Take action to restore power or replace any failed storage system power supply.
Supporting SNMP trap data:
• sysName
• cpqHoTrapFlags
• cpqSsBoxFltTolPwrSupplyStatus
Supporting SNMP trap description: “A storage system power supply unit has become degraded”

8018 - cmafcd
Log message: “Power Supply UPS Status Change. Chassis Name: [cpqSsChassisName], UPS Status: [cpqSsPowerSupplyUpsStatus string].”
SNMP trap: cpqSsExPowerSupplyUpsStatusChange - 8018 in CPQSTSYS.MIB
Symptom: Storage system power supply UPS status change. The agent has detected a change status of a UPS attached to a storage system power supply. The variable cpqSsPowerSupplyUpsStatus indicates the current status.
User action: If the UPS status is powerFailed(4) or batteryLow(5), take action to restore power to the UPS.
Supporting SNMP trap data:
• sysName
• cpqHoTrapFlags
• cpqSsChassisName
• cpqSsChassisTime
• cpqSsPowerSupplyBay
• cpqSsPowerSupplyUpsStatus
Supporting SNMP trap description: “Storage system power supply UPS status changed to
8019 - cmafcad
Log message: "Temperature Sensor Status Change. Chassis name: [cpqSsChassisName], Temperature sensor status: [cpqSsTempSensorStatus string]."
SNMP trap: cpqSsExTempSensorStatusChange - 8019 in CPQSTSYS.MIB
Symptom: Storage system temperature sensor status change. The agent has detected a change in the status of a storage system temperature sensor. The variable cpqSsTempSensorStatus indicates the current status.
User action: If the temperature status is degraded or failed, shut down the storage system as soon as possible. Ensure that the storage system environment is being cooled properly and that no components are overheated.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqSsChassisName
- cpqSsChassisTime
- cpqSsTempSensorLocation
- cpqSsTempSensorStatus
- cpqSsTempSensorCurrentValue

Supporting SNMP trap description: “Storage system temperature sensor status changed to [cpqSsTempSensorStatus].”

8020 - cmafcad
Log message: “Fan status change. Chassis Name: [cpqSsChassisName], Fan Status: [cpqSsFanModuleStatus].”
SNMP trap: cpqSsEx2FanStatusChange - 8020 in CPQSTSYS.MIB
Symptom: Storage system fan status change. The agent has detected a change in the fan module status of a storage system. The variable cpqSsFanModuleStatus indicates the current fan status.
User action: If the fan status is degraded or failed, replace any failed fans.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqSsChassisName
- cpqSsChassisTime
- cpqSsFanModuleLocation
- cpqSsFanModuleStatus
- cpqSsFanModuleSerialNumber
- cpqSsFanModuleBoardRevision

Supporting SNMP trap description: “Storage system fan status changed to [cpqSsFanModuleStatus].”

8021 - cmafcad
Log message: “Power Supply Status Change. Chassis Name: [cpqSsChassisName], Power Supply Status: [cpqSsPowerSupplyStatus string].”
SNMP trap: cpqSsEx2PowerSupplyStatusChange - 8021 in CPQSTSYS.MIB
Symptom: Storage system power supply status change. The agent has detected a change in the power supply status of a storage system. The variable cpqSsPowerSupplyStatus indicates the current status.
User action: If the power supply status is failed, take action to restore power or replace the failed power supply.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
• cpqSsChassisName
• cpqSsChassisTime
• cpqSsPowerSupplyBay
• cpqSsPowerSupplyStatus
• cpqSsPowerSupplySerialNumber
• cpqSsPowerSupplyBoardRevision
• cpqSsPowerSupplyFirmwareRevision

Supporting SNMP trap description: “Storage system power supply status changed to [cpqSsPowerSupplyStatus].”

8022 - cmafcad
Log message: “Backplane Fan Status Change. Chassis Name: [cpqSsChassisName], Status: [cpqSsBackplaneFanStatus].”
SNMP trap: cpqSsExBackplaneFanStatusChange - 8022 in CPQSTSYS.MIB
Symptom: Storage system fan status change. The agent has detected a change in the fan status of a storage system. The variable cpqSsBackplaneFanStatus indicates the current fan status.
User action: If the fan status is degraded or failed, replace any failed fans.
Supporting SNMP trap data:
• sysName
• cpqHoTrapFlags
• cpqSsChassisName
• cpqSsChassisTime
• cpqSsBackplaneIndex
• cpqSsBackplaneVendor
• cpqSsBackplaneModel
• cpqSsBackplaneSerialNumber
• cpqSsBackplaneFanStatus

Supporting SNMP trap description: “Storage system fan status changed to [cpqSsBackplaneFanStatus].”

8023 - cmafcad
Log message: “Backplane Temp Status Change. Chassis Name: [cpqSsChassisName], Status: [cpqSsBackplaneTempStatus].”
SNMP trap: cpqSsExBackplaneTempStatusChange - 8023 in CPQSTSYS.MIB
Symptom: Storage system temperature status change. The agent has detected a change in the status of the temperature in a storage system. The variable cpqSsBackplaneTempStatus indicates the current status.
User action: If the temperature status is degraded or failed, shut down the storage system as soon as possible. Ensure that the storage system environment is being cooled properly and that no components are overheated.
Supporting SNMP trap data:
• sysName
• cpqHoTrapFlags
• cpqSsChassisName
• cpqSsChassisTime
• cpqSsBackplaneIndex
• cpqSsBackplaneVendor
• cpqSsBackplaneModel
• cpqSsBackplaneSerialNumber
• cpqSsBackplaneTempStatus

Supporting SNMP trap description: “Storage system temperature status changed to [cpqSsBackplaneTempStatus].”

8024 - cmafcad
Log message: “Backplane Power Status Change. Chassis Name: [cpqSsChassisName], Status:
Symptom: Storage system power supply status change. The agent has detected a change in the power supply status of a storage system. The variable cpqSsBackplaneFtpsStatus indicates the current status.

User action: If the power supply status is degraded, take action to restore power or replace the failed power supply.

Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqSsChassisName
- cpqSsChassisTime
- cpqSsBackplaneIndex
- cpqSsBackplaneVendor
- cpqSsBackplaneModel
- cpqSsBackplaneSerialNumber
- cpqSsBackplaneFtpsStatus

Supporting SNMP trap description: "Storage system power supply status changed to [cpqSsBackplaneFtpsStatus]."

8025 - cmafcad
Log message: "Redundant Server Option Status Change. Storage system redundant server option status changed to [cpqSsChassisRsoStatus string]."

Symptom: Storage system recovery server option status change. The agent has detected a change in the recovery server option status of a storage system. The variable cpqSsChassisRsoStatus indicates the current status.

User action: If the RSO status is noSecondary(6) or linkDown(7), ensure the secondary server is operational and all cables are connected properly. If the RSO status is secondaryRunningAuto(8) or secondaryRunningUser(9), examine the primary server for failed components.

Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqSsChassisName
- cpqSsChassisTime
- cpqSsChassisIndex
- cpqSsChassisRsoStatus

Supporting SNMP trap description: "Storage system recovery server option status changed to [cpqSsChassisRsoStatus]."

8029 - cmasasd
Log message: "Storage System fan status changed to %d."
8030 - cmasasad
Log message: "Storage System temperature status changed to %d."
SNMP trap: cpqSs6TempStatusChange– 8030 in cpqstsys.mib
Symptom: Storage System temperature status change. The agent has detected a change in the
temperature status of a storage system. The variable cpqSsBoxTempStatus indicates the current
temperature status.
User action: If the temperature status is degraded or failed, shutdown the storage system as soon as
possible. Insure that the storage system environment is being cooled properly and that no components
are overheated.
Supporting SNMP trap data:
  - sysName
  - cpqHoTrapFlags
  - cpqSsBoxCntlrHwLocation
  - cpqSsBoxCntlrIndex
  - cpqSsBoxBusIndex
  - cpqSsBoxVendor
  - cpqSsBoxModel
  - cpqSsBoxSerialNumber
  - cpqSsBoxTempStatus
  - cpqSsBoxLocationString
Supporting SNMP trap description: "Storage System temperature status changed to [cpqSsBoxTempStatus]"

8031 - cmasasad
Log message: "Storage system power supply status changed to %d."
SNMP trap: cpqSs6PwrSupplyStatusChange – 8031 in cpqstsys.mib
Symptom: Storage system power supply status change. The agent has detected a change in the power
supply status of a storage system. The variable cpqSsBoxFltTolPwrSupplyStatus indicates the current
power supply status.
User action: If the power supply status is degraded, take action to restore power or replace the failed
power supply.
Supporting SNMP trap data:
  - sysName
  - cpqHoTrapFlags
  - cpqSsBoxCntlrHwLocation
  - cpqSsBoxCntlrIndex
  - cpqSsBoxBusIndex
  - cpqSsBoxVendor
  - cpqSsBoxModel
  - cpqSsBoxSerialNumber
  - cpqSsBoxFltTolPwrSupplyStatus
  - cpqSsBoxLocationString
Supporting SNMP trap description: "Storage system power supply status changed to [cpqSsBoxFltTolPwrSupplyStatus]."

Trap IDs: 14004-16028

14004 - cmaided
Log message: "ATA Disk Status Changes"
SNMP trap: cpqIdeAtaDiskStatusChange - 14004 in CPQIDE.MIB
Symptom: ATA Disk Status Change. The agent has detected a change in the status of an ATA disk drive.
The variable cpqIdeAtaDiskStatus indicates the current disk drive status.
User action: If the physical drive status is smartError(3) or failed(4), replace the drive.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqIdeAtaDiskControllerIndex
- cpqIdeAtaDiskIndex
- cpqIdeAtaDiskModel
- cpqIdeAtaDiskFwRev
- cpqIdeAtaDiskSerialNumber
- cpqIdeAtaDiskStatus
- cpqIdeAtaDiskChannel
- cpqIdeAtaDiskNumber
Supporting SNMP trap description: “Status is now [cpqIdeAtaDiskStatus] for the ATA disk.”

14005 - cmaided
Log message: “IDE Logical Drive Status Changes”
SNMP trap: cpqIdeLogicalDriveStatusChange - 14005 in CPQIDE.MIB
Symptom: IDE Logical Drive Status Change. The agent has detected a change in the status of an IDE logical drive. The variable cpqIdeLogicalDriveStatus indicates the current logical drive status.
User action: If the logical drive status is failed(5), examine the array for failed drives that need replacement.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqIdeControllerModel
- cpqIdeControllerSlot
- cpqIdeLogicalDriveControllerIndex
- cpqIdeLogicalDriveIndex
- cpqIdeLogicalDriveStatus
Supporting SNMP trap description: “Status is now [cpqIdeLogicalDriveStatus] for the IDE logical drive.”

16002 - cmafcad
Log message: “Spare drive status change. Chassis name: [cpqSsChassisName], Bus: [cpqFcaSpareBusNumber], Bay: [cpqFcaSpareBay]. Spare status is now [cpqFcaSpareStatus string].”
SNMP trap: cpqFcaSpareStatusChange - 1 6002 in cpqfca.mib
Symptom: External Array Spare Drive Status Change. The agent has detected a change in the status of an External Array spare drive. The variable indicates the current spare drive status. The variable cpqFcaSpareBusNumber indicates the SCSI bus number associated with this drive.
User action: If the spare drive status is failed, replace the drive.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqSsChassisName
- cpqSsChassisTime
- cpqFcaSpareBusNumber
- cpqFcaSpareBay
- cpqFcaSpareStatus
Supporting SNMP trap description: “Spare Status is now [cpqFcaSpareStatus] on bus [cpqFcaSpareBusNumber].”

16008 - cmafcad
Log message: "Status is now %d for tape controller %s."
SNMP trap: cpqFcTapeCntlrStatusChange - 16008 in cpqfca.mib
Symptom: This trap signifies that the agent has detected a change in the status of a Fiber Channel Tape Controller. The variable cpqFcTapeCntlrStatus indicates the current tape controller status. The variable cpqFcTapeCntlrWWN indicates the unique tape controller world wide name associated with this controller.
User action: If the tape controller status is offline, access to the tape library and tapes has been lost. Check the tape library and all Fibre connections for problems.

- sysName
- cpqHoTrapFlags
- cpqFcTapeCntlrWWN
- cpqFcTapeCntlrStatus

Supporting SNMP trap description: "Status is now [cpqFcTapeCntlrStatus] for tape controller [cpqFcTapeCntlrWWN]."

16014 - cmafcad
Log message: "Redundant controller is now active. Chassis name: [cpqSsChassisName], I/O slot: [cpqFcaCntlrBoxIoSlot]."
SNMP trap: cpqFcaCntlrActive - 16014 in CPQFCA.MIB
Symptom: Fibre Array Controller Active. The agent has detected that a backup array controller in a duplexed pair has switched over to the active role. The variable cpqFcaCntlrBoxIoSlot indicates the new active controller index.
User action: Check the partner controller for problems. If this was the result of a user initiated switch over, no action is required.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqSsChassisName
- cpqSsChassisTime
- cpqFcaCntlrBoxIoSlot

Supporting SNMP trap description: "Controller in i/o slot [cpqFcaCntlrBoxIoSlot] is now active on chassis [cpqSsChassisName]."

16016 - cmafcad
Log message: "Physical drive status change. Chassis name: [cpqSsChassisName], Bus: [cpqFcaPhyDrvBusNumber], Bay: [cpqFcaPhyDrvBay]. Status is now [cpqFcaPhyDrvStatus string]."
SNMP trap: cpqFca2PhyDrvStatusChange - 1 601 6 in CPQFCA.MIB
Symptom: External Array Physical Drive Status Change. The agent has detected a change in the status of a physical drive. The variable cpqFcaPhyDrvStatus indicates the current physical drive status.
User action: If the physical drive status is threshExceeded(4), predictiveFailure(5) or failed(6), replace the drive.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqSsChassisName
- cpqSsChassisTime
- cpqFcaPhyDrvBusNumber
- cpqFcaPhyDrvBay
- cpqFcaPhyDrvStatus
- cpqFcaPhyDrvModel
- cpqFcaPhyDrvSerialNum
- cpqFcaPhyDrvFWRev
- cpqFcaPhyDrvFailureCode

Supporting SNMP trap description: "Status is now [cpqFcaPhyDrvStatus] for a physical drive on bus [cpqFcaPhyDrvBusNumber], bay [cpqFcaPhyDrvBay]."
16017 - cmafcad
Log message: “Accelerator Board status change. Chassis name: [cpqSsChassisName], I/O slot: [cpqFcaAccelBoxIoSlot]. Status is now [cpqFcaAccelStatus string].”
SNMP trap: cpqFca2AccelStatusChange - 1 601 7 in CPQFCA.MIB
Symptom: External Array Accelerator Board Status Change. The agent has detected a change in the status of an Array Accelerator Cache Board. The current status is represented by the variable cpqFcaAccelStatus.
User action: If the accelerator board status is permDisabled(5), you might need to replace the accelerator board.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqSsChassisName
- cpqSsChassisTime
- cpqFcaAccelBoxIoSlot
- cpqFcaAccelStatus
- cpqFcaCntlrModel
- cpqFcaAccelSerialNumber
- cpqFcaAccelTotalMemory
- cpqFcaAccelErrCode
Supporting SNMP trap description: “Status is now [cpqFcaAccelStatus].”

16018 - cmafcad
Log message: “Accelerator Board Bad Data. Chassis name: [cpqSsChassisName], I/O slot: [cpqSsChassisName]. Accelerator lost battery power. Data loss possible.”
SNMP trap: cpqFca2AccelBadDataTrap - 1 601 8 in CPQFCA.MIB
Symptom: External Array Accelerator Board Bad Data. The agent has detected an Array Accelerator Cache Board that has lost battery power. If data was being stored in the accelerator memory when the system lost power, the data has been lost.
User action: Verify that no data has been lost.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqSsChassisName
- cpqSsChassisTime
- cpqFcaAccelBoxIoSlot
- cpqFcaCntlrModel
- cpqFcaAccelSerialNumber
- cpqFcaAccelTotalMemory
Supporting SNMP trap description: “Accelerator lost battery power. Data Loss possible.”

16019 - cmafcad
Log message: “Accelerator Board Battery Failed. Chassis name: [cpqSsChassisName], I/O slot: [cpqFcaAccelBoxIoSlot].”
SNMP trap: cpqFca2AccelBatteryFailed - 1 601 9 in CPQFCA.MIB
Symptom: External Array Accelerator Board Battery Failed. The agent has detected a battery failure associated with the Array Accelerator Cache Board.
User action: Replace the Accelerator Cache Board.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqSsChassisName
- cpqSsChassisTime
- cpqFcaAccelBoxIoSlot
Supporting SNMP trap description: "Battery status is failed."

**16020 - cmafcad**

Log message: "Array Controller status change. Chassis name: [cpqSsChassisName], I/O slot: [cpqFcaCntlrBoxloSlot]. Status is now [cpqFcaCntlrStatus string]."

SNMP trap: cpqFca2CntlrStatusChange - 1 6020 in CPQFCA.MIB

Symptom: External Array Controller Status Change. The agent has detected a change in the status of an External Array Controller. The variable cpqFcaCntlrStatus indicates the current controller status.

User action: If the controller status is offline(4), access to the storage box has been lost. Check the storage box and all Fibre Channel connections for problems.

Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqSsChassisName
- cpqSsChassisTime
- cpqFcaCntlrBoxloSlot
- cpqFcaCntlrStatus
- cpqFcaCntlrModel
- cpqFcaCntlrSerialNumber
- cpqFcaAccelTotalMemory

Supporting SNMP trap description: "Status is now [cpqFcaCntlrStatus]."

**16022 - cmafcad**

Log message: "Logical drive status change. Chassis name: [cpqSsChassisName], Storage box: [cpqFcaLogDrvBoxIndex]. Status is now [cpqFcaLogDrvStatus string] for logical drive [cpqFcaLogDrvIndex]."

SNMP trap: cpqExtArrayLogDrvStatusChange - 16022 in cpqfca.mib

Symptom: External Array Logical Drive Status Change. The agent has detected a change in the status of an External Array logical drive. The variable cpqFcaLogDrvStatus indicates the current logical drive status.

User action: If the logical drive status is failed, examine the array for failed drives that need replacement.

Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqSsChassisName
- cpqSsChassisTime
- cpqFcaLogDrvBoxIndex
- cpqFcaLogDrvIndex
- cpqFcaLogDrvStatus
- cpqFcaLogDrvOsName
- cpqFcaLogDrvFaultTol
- cpqFcaLogDrvSize

Supporting SNMP trap description: "Status is now [cpqFcaLogDrvStatus]."

**16023 - cmafcad**

Log message: "Tape Drive Status Change: Status is now [cpqFcTapeDriveStatus] for [cpqFcTapeDriveModel] on port [cpqFcTapeDriveScsiBus] target [cpqFcTapeDriveScsiTarget]."

SNMP trap: cpqExtTapeDriveStatusChange - 16023 in cpqfca.mib

Symptom: External Tape Drive Status Change. The agent has detected a change in the status of an External Tape Drive. The variable cpqFcTapeDriveStatus indicates the current tape status.

User action: If the tape is failed or offline, check the tape and all connections.

Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqFcTapeDriveCntlrIndex
- cpqFcTapeDriveScsiBus
- cpqFcTapeDriveScsiTarget
- cpqFcTapeDriveScsiLun
- cpqFcTapeDriveModel
- cpqFcTapeDriveFWRev
- cpqFcTapeDriveSerialNumber
- cpqFcTapeDriveLocation
- cpqFcTapeDriveStatus

Supporting SNMP trap description: “Status is now [cpqFcTapeDriveStatus] for a tape drive.”

16024 - cmafcad
Log message: “Tape Drive Cleaning Require. Cleaning is required for [cpqFcTapeDriveModel] on port [cpqFcTapeDriveScsi Bus] device [cpqFcTapeDriveScsiTarget].”
SNMP trap: cpqExtTapeDriveCleaningRequired - 1 6024 in cpqfca.mib
Symptom: External Tape Drive Cleaning Required. The agent has detected a tape drive that needs to have a cleaning tape inserted and run. This will cause the tape drive heads to be cleaned.
User action: None required
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqFcTapeDriveCntlrIndex
- cpqFcTapeDriveScsiBus
- cpqFcTapeDriveScsiTarget
- cpqFcTapeDriveScsiLun,
- cpqFcTapeDriveModel
- cpqFcTapeDriveFWRev
- cpqFcTapeDriveSerialNumber
- cpqFcTapeDriveLocation

Supporting SNMP trap description: “Cleaning is needed for tape drive.”

16025 - cmafcad
Log message: “Cleaning tape on port [cpqFcTapeDriveScsi Bus] device [cpqFcTapeDriveScsiTarget] needs replacing.”
SNMP trap: cpqExtTapeDriveCleanTapeReplace - 1 6025 in cpqfca.mib
Symptom: External Tape Drive Cleaning Tape Needs Replacing. The agent has detected that an autoloader tape unit has a cleaning tape that has been fully used and needs to be replaced with a new cleaning tape.
User action: None required
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqFcTapeDriveCntlrIndex
- cpqFcTapeDriveScsiBus
- cpqFcTapeDriveScsiTarget
- cpqFcTapeDriveScsiLun
- cpqFcTapeDriveModel
- cpqFcTapeDriveFWRev
- cpqFcTapeDriveSerialNumber
- cpqFcTapeDriveLocation

Supporting SNMP trap description: “Cleaning tape needs replacing”
16026 - cmafcad
Log message: "Status is now %d for the tape library."
SNMP trap: cpqExtTapeLibraryStatusChange - 16026 in cpqfca.mib
Symptom: External Tape Library Status Change. This trap signifies that the agent has detected a
change in the status of an External Tape library. The variable cpqFcTapeLibraryStatus indicates the
current tape library status.
User action: If the tape library is failed or offline, check the tape library front panel and all connections.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqFcTapeLibraryCntlrIndex
- cpqFcTapeLibraryScsiBus
- cpqFcTapeLibraryScsiTarget
- cpqFcTapeLibraryScsiLun
- cpqFcTapeLibraryModel
- cpqFcTapeLibraryFWRev
- cpqFcTapeLibrarySerialNumber
- cpqFcTapeLibraryLocation
- cpqFcTapeLibraryStatus

Supporting SNMP trap description: "Status is now [cpqFcTapeLibraryStatus] for the tape library."

16027 - cmafcad
Log message: "The door is %d for tape library."
SNMP trap: cpqExtTapeLibraryDoorStatusChange - 16027 in cpqfca.mib
Symptom: External Tape Library Door Status Change. This trap signifies that the agent has detected a
change in the door status of an External Tape library. The variable cpqFcTapeLibraryDoorStatus
indicates the current tape library door status.
User action: If the tape library door is open, close the tape library door.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqFcTapeLibraryCntlrIndex
- cpqFcTapeLibraryScsiBus
- cpqFcTapeLibraryScsiTarget
- cpqFcTapeLibraryScsiLun
- cpqFcTapeLibraryModel
- cpqFcTapeLibraryFWRev
- cpqFcTapeLibrarySerialNumber
- cpqFcTapeLibraryLocation
- cpqFcTapeLibraryDoorStatus

Supporting SNMP trap description: "The door is [cpqFcTapeLibraryStatus] for tape library."

16028 - cmafcad
Log message: "Host controller [cpqFcaHostCntlrIndex] status change. Status is now
[cpqFcaHostCntlrStatus string]."
SNMP trap: cpqFca3HostCntlrStatusChange - 16028 in cpqfca.mib
Symptom: Fibre Channel Host Controller Status Change. The agent has detected a change in the status
of a Fibre Channel Host Controller. The variable cpqFcaHostCntlrStatus indicates the current controller
status.
User action: If the controller status is failed, replace the controller.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqFcaHostCntlrHwLocation
Server agents

Trap IDs: 1005-6049

1005 - cmastdeqd
Log message: “CPU internal corrected errors have passed a set threshold.”
SNMP trap: cpqSeCpuThresholdPassed - 1005 in CPQSTDEQ.MIB
Symptom: This trap is sent when an internal CPU error threshold has been passed on a particular CPU causing it to go degraded. This trap will be sent when cpqSeCpuThreshPassed transitions from false to true.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqSeCpuSlot
- cpqSeCpuSocketNumber
- cpqSeCpuSpeed
- cpqSeCpuExtSpeed
- cpqSeCpuCacheSize
Supporting SNMP trap description: “CPU internal corrected errors have passed a set threshold.”

6016 - cmahealthd
Log message: “The frequency of correctable memory errors is so high that correctable error detection/correction has been disabled.”
SNMP trap: cpqHe3CorrectableMemoryLogDisabled - 6016 in CPQHLTH.MIB
Symptom: Correctable memory error tracking disabled. The frequency of errors is so high that the error tracking logic has been temporarily disabled. The cpqHeCorrMemLogStatus variable indicates the current tracking status.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqHeCorrMemLogStatus
Supporting SNMP trap description: “Too many memory errors - tracking now disabled.”

6017 - cmahealthd
Log message: “The system will be shutdown due to a thermal condition.”
SNMP trap: cpqHe3ThermalTempFailed - 6017 in CPQHLTH.MIB
Symptom: The temperature status has been set to Failed. The system will be shut down because of this thermal condition.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
Supporting SNMP trap description: “System will be shut down due to this thermal condition.”

6018 - cmahealthd
Log message: “The server's temperature is outside of normal operating range. The system will be
shutdown.
SNMP trap: cpqHe3ThermalTempDegraded - 601 8 in CPQHLTH.MIB
Symptom: The temperature status has been set to Degraded. The server's temperature is outside of the
normal operating range. The server will be shut down if the cpqHeThermalDegradedAction variable is set
to shutdown (3).
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqHeThermalDegradedAction
Supporting SNMP trap description: "Temperature out of range. Shutdown may occur."

6019 - cmahealthd
Log message: "The server's temperature has returned to normal operating range."
SNMP trap: cpqHe3ThermalTempOk - 6019 in CPQHLTH.MIB
Symptom: The temperature status has been set to OK. The server's temperature has returned to the
normal operating range.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
Supporting SNMP trap description: "Temperature has returned to normal range."

6020 - cmahealthd
Log message: "A required system fan is not operating normally. The system will be shutdown."
SNMP trap: cpqHe3ThermalSystemFanFailed - 6020 in CPQHLTH.MIB
Symptom: The system fan status has been set to Failed. A required system fan is not operating normally. The
system will be shutdown if the cpqHeThermalDegradedAction variable is set to shutdown (3).
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqHeThermalDegradedAction
Supporting SNMP trap description: "Required fan not operating normally. Shutdown may occur."

6021 - cmahealthd
Log message: "A system fan is not operating normally. The system will be shutdown."
SNMP trap: cpqHe3ThermalSystemFanDegraded - 6021 in CPQHLTH.MIB
Symptom: The system fan status has been set to Degraded. An optional system fan is not operating
normally.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
Supporting SNMP trap description: "An optional fan is not operating normally."

6022 - cmahealthd
Log message: "A non-operational system fan has returned to normal operation."
SNMP trap: cpqHe3ThermalSystemFanOk – 6022 - CPQHLTH.MIB
Log message: "System fan has returned to normal operation."
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
Supporting SNMP trap description: "System fan has returned to normal operation."

6023 - cmahealthd
Log message: "A processor fan is not operating normally. The system will be shutdown."
SNMP trap: cpqHe3ThermalCpuFanFailed - 6023 in CPQHLTH.MIB
Symptom: The CPU fan status has been set to Failed. A processor fan is not operating normally. The
server will be shut down.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
Supporting SNMP trap description: "CPU fan has failed. Server will be shutdown."

6024 - cmahealthd
Log message: "A non-operational processor fan has returned to normal operation."
SNMP trap: cpqHe3ThermalCpuFanOk - 6024 in CPQHLTH.MIB
Symptom: The CPU fan status has been set to OK. Any previously non-operational processor fans have returned to normal operation.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
Supporting SNMP trap description: "CPU fan is now OK."

6025 - cmahealthd
Log message: "An 'ASR Recover Complete' trap signifies that the system has been shutdown by the ASR feature and has just become operational again."
SNMP trap: cpqHe3AsrConfirmation - 6025 in CPQHLTH.MIB
Symptom: The server is operational again. The server was previously shut down by the Automatic Server Recovery (ASR) feature and has become operational again.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
Supporting SNMP trap description: "Server is operational again after ASR shutdown."

6026 - cmahealthd
Log message: "The server has previously been shutdown due to a thermal anomaly and has just become operational again."
SNMP trap: cpqHe3ThermalConfirmation - 6026 in CPQHLTH.MIB
Symptom: The server is operational again. The server was previously shut down because of a thermal anomaly on the server and has become operational again.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
Supporting SNMP trap description: "Server is operational again after thermal shutdown."

6027 - cmahealthd
Log message: "Power on Self-Test (POST) errors occurred during the server restart process."
SNMP trap: cpqHe3PostError - 6027 in CPQHLTH.MIB
Symptom: One or more power on self-test (POST) errors occurred. POST errors occur during the server restart process.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
Supporting SNMP trap description: "Errors occurred during server restart."

6028 - cmahealthd
Log message: "The server power supply status has become degraded."
SNMP trap: cpqHe3FltTolPwrSupplyDegraded - 6028 in CPQHLTH.MIB
Symptom: The fault tolerant power supply sub-system condition has been set to Degraded.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
Supporting SNMP trap description: “The server power supply status has become degraded.”

6029 - cmahealthd
Log message: “A correctable memory log entry indicates a memory module needs to be replaced.”
SNMP trap: cpqHe3CorrMemReplaceMemModule - 6029 in CPQHLTH.MIB
Symptom: A correctable memory log entry indicates a memory module needs to be replaced. The errors have been corrected, but the memory module should be replaced. The error information is reported in the variable cpqHeCorrMemErrDesc.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
Supporting SNMP trap description: “Correctable memory errors require a replacement memory module.”

6032 - cmahealthd
Log message: “The power supply has lost redundancy.”
SNMP trap: cpqHe3FltTolPowerRedundancyLost - 6032 in CPQHLTH.MIB
Symptom: The fault tolerant power supplies have lost redundancy for the specified chassis.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqHeFltTolPowerSupplyChassis
Supporting SNMP trap description: “The Power Supplies are no longer redundant on Chassis [cpqHeFltTolPowerSupplyChassis].”

6033 - cmahealthd
Log message: “The power supply was inserted.”
SNMP trap: cpqHe3FltTolPowerSupplyInserted - 6033 in CPQHLTH.MIB
Symptom: A fault tolerant power supply has been inserted in the specified chassis and bay location.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqHeFltTolPowerSupplyChassis
- cpqHeFltTolPowerSupplyBay
Supporting SNMP trap description: “The Power Supply Inserted on Chassis [cpqHeFltTolPowerSupplyChassis], Bay [cpqHeFltTolPowerSupplyBay].”

6034 - cmahealthd
Log message: “The power supply was removed.”
SNMP trap: cpqHe3FltTolPowerSupplyRemoved - 6034 in CPQHLTH.MIB
Symptom: A fault tolerant power supply has been removed from the specified chassis and bay location.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqHeFltTolPowerSupplyChassis
- cpqHeFltTolPowerSupplyBay
Supporting SNMP trap description: “The Power Supply Removed on Chassis [cpqHeFltTolPowerSupplyChassis], Bay [cpqHeFltTolPowerSupplyBay].”

6035 - cmahealthd
Log message: “The redundant fan has degraded.”
SNMP trap: cpqHe3FltTolFanDegraded - 6035 in CPQHLTH.MIB
Symptom: The fault tolerant fan condition has been set to Degraded for the specified chassis and fan.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- `cpqHeFltTolFanChassis`
- `cpqHeFltTolFanIndex`

Supporting SNMP trap description: “The Fan Degraded on Chassis [cpqHeFltTolFanChassis], Fan [cpqHeFltTolFanIndex].”

**6036 - cmahealthd**

Log message: “The redundant fan has failed.”
SNMP trap: `cpqHe3FltTolFanFailed - 6036 in CPQHLTH.MIB`
Symptom: The fault tolerant fan condition has been set to Failed for the specified chassis and fan.
Supporting SNMP trap data:
- `sysName`
- `cpqHoTrapFlags`
- `cpqHeFltTolFanChassis`
- `cpqHeFltTolFanIndex`

Supporting SNMP trap description: “The Fan Failed on Chassis [cpqHeFltTolFanChassis], Fan [cpqHeFltTolFanIndex].”

**6037 - cmahealthd**

Log message: “The redundant fan has lost redundancy.”
SNMP trap: `cpqHe3FltTolFanRedundancyLost - 6037 in CPQHLTH.MIB`
Symptom: The fault tolerant fans have lost redundancy for the specified chassis.
Supporting SNMP trap data:
- `sysName`
- `cpqHoTrapFlags`
- `cpqHeFltTolFanChassis`

Supporting SNMP trap description: “The Fans are no longer redundant on Chassis [cpqHeFltTolFanChassis].”

**6038 - cmahealthd**

Log message: “The redundant fan was inserted.”
SNMP trap: `cpqHe3FltTolFanInserted - 6038 in CPQHLTH.MIB`
Symptom: A fault tolerant fan has been inserted into the specified chassis and fan location.
Supporting SNMP trap data:
- `sysName`
- `cpqHoTrapFlags`
- `cpqHeFltTolFanChassis`
- `cpqHeFltTolFanIndex`

Supporting SNMP trap description: “The Fan Inserted on Chassis [cpqHeFltTolFanChassis], Fan [cpqHeFltTolFanIndex].”

**6039 - cmahealthd**

Log message: “The redundant fan was removed.”
SNMP trap: `cpqHe3FltTolFanRemoved - 6039 in CPQHLTH.MIB`
Symptom: A fault tolerant fan has been removed from the specified chassis and fan location.
Supporting SNMP trap data:
- `sysName`
- `cpqHoTrapFlags`
- `cpqHeFltTolFanChassis`
- `cpqHeFltTolFanIndex`

Supporting SNMP trap description: “The Fan Removed on Chassis [cpqHeFltTolFanChassis], Fan [cpqHeFltTolFanIndex].”

**6040 - cmahealthd**

Log message: “The temperature status has failed.”
SNMP trap: `cpqHe3TemperatureFailed - 6040 in CPQHLTH.MIB`
Symptom: The temperature status has been set to Failed in the specified chassis and location. The system will be shut down because of this condition.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqHeTemperatureChassis
- cpqHeTemperatureLocale
Supporting SNMP trap description: “Temperature Exceeded on Chassis [cpqHeTemperatureChassis], Location [cpqHeTemperatureLocale].”

6041 - cmahealthd
Log message: “The temperature status is degraded.”
SNMP trap: cpqHe3TemperatureDegraded - 6041 in CPQHLTH.MIB
Symptom: The temperature status has been set to Degraded in the specified chassis and location. The server's temperature is outside of the normal operating range. The server will be shut down if the cpqHeThermalDegradedAction variable is set to shutdown(3).
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqHeThermalDegradedAction
- cpqHeTemperatureChassis
- cpqHeTemperatureLocale
Supporting SNMP trap description: “Temperature out of range on Chassis [cpqHeTemperatureChassis], Location [cpqHeTemperatureLocale]. Shutdown may occur.”

6042 - cmahealthd
Log message: “The temperature status is ok.”
SNMP trap: cpqHe3TemperatureOk - 6042 in CPQHLTH.MIB
Symptom: The temperature status has been set to OK in the specified chassis and location. The server's temperature has returned to the normal operating range.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqHeTemperatureChassis
- cpqHeTemperatureLocale
Supporting SNMP trap description: “Temperature Normal on Chassis [cpqHeTemperatureChassis], Location [cpqHeTemperatureLocale].”

6043 - cmahealthd
Log message: “The DC-DC Power Converter condition has been set to Degraded.”
SNMP trap: cpqHe3PowerConverterDegraded - 6043 in CPQHLTH.MIB
Symptom: The DC-DC Power Converter condition has been set to Degraded for the specified chassis, slot, and socket.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqHePwrConvChassis
- cpqHePwrConvSlot
- cpqHePwrConvSocket
Supporting SNMP trap description: “The Power Converter Degraded on Chassis [cpqHePwrConvChassis], Slot [cpqHePwrConvSlot], Socket [cpqHePwrConvSocket].”

6044 - cmahealthd
Log message: “The DC-DC Power Converter condition has been set to Failed.”
SNMP trap: cpqHe3PowerConverterFailed - 6044 in CPQHLTH.MIB
Symptom: The DC-DC Power Converter condition has been set to Failed for the specified chassis, slot, and socket.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqHePwrConvChassis
- cpqHePwrConvSlot
- cpqHePwrConvSocket
Supporting SNMP trap description: “The Power Converter Failed on Chassis [cpqHePwrConvChassis], Slot [cpqHePwrConvSlot], Socket [cpqHePwrConvSocket].”

6045 - cmahealthd
Log message: “The DC-DC Power Converters have lost redundancy.”
SNMP trap: cpqHe3PowerConverterRedundancyLost - 6045 in CPQHLTH.MIB
Symptom: The DC-DC Power Converters have lost redundancy for the specified chassis.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqHePwrConvChassis
Supporting SNMP trap description: “The Power Converters are no longer redundant on Chassis [cpqHePwrConvChassis].”

6046 - cmahealthd
Log message: “Cache accelerator parity error occurred. A cache module needs to be replaced.”
SNMP trap: cpqHe3CacheAccelParityError - 6046 in CPQHLTH.MIB
Symptom: A cache accelerator parity error indicates a cache module needs to be replaced. The error information is reported in the variable cpqHeEventLogErrorDesc.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
Supporting SNMP trap description: “Cache Accelerator errors may require a replacement module.” 6047 –

6047 - cmahealthd
Log message: “Online Spare Memory Engaged”
SNMP trap: cpqHeResilientMemOnlineSpareEngaged - 6047 in CPQHLTH.MIB
Symptom: Advanced Memory Protection Online Spare Engaged. The Advanced Memory Protection subsystem has detected a memory fault. The Online Spare Memory has been activated.
User action: Schedule server down time to replace the faulty memory.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
Supporting SNMP trap description: “The Advanced Memory Protection subsystem has engaged the online spare memory.”

6048 - cmahealthd
Log message: “The power supply is OK.”
SNMP trap: cpqHe4FltTolPowerSupplyOk - 6048 in CPQHLTH.MIB
Symptom: The fault tolerant power supply condition has been set back to the OK state for the specified chassis and bay location.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqHeFltTolPowerSupplyChassis
- cpqHeFltTolPowerSupplyBay
- cpqHeFltTolPowerSupplyStatus
• cpqHeFltTolPowerSupplyModel
• cpqHeFltTolPowerSupplySerialNumber
• cpqHeFltTolPowerSupplyAutoRev
• cpqHeFltTolPowerSupplyFirmwareRev
• cpqHeFltTolPowerSupplySparePartNum
• cpqSiServerSystemId
Supporting SNMP trap description: "The Power Supply is OK on Chassis [cpqHeFltTolPowerSupplyChassis], Bay [cpqHeFltTolPowerSupplyBay], Status [cpqHeFltTolPowerSupplyStatus], Model [cpqHeFltTolPowerSupplyModel], Serial Num [cpqHeFltTolPowerSupplySerialNumber], Firmware [cpqHeFltTolPowerSupplyFirmwareRev]."

6049 - cmahealthd
Log message: "The power supply has degraded."
SNMP trap: cpqHe4FltTolPowerSupplyDegraded - 6049 in CPQHLTH.MIB
Symptom: The fault tolerant power supply condition has been set to Degraded for the specified chassis and bay location.
Supporting SNMP trap data:
• sysName
• cpqHoTrapFlags
• cpqHeFltTolPowerSupplyChassis
• cpqHeFltTolPowerSupplyBay
• cpqHeFltTolPowerSupplyStatus
• cpqHeFltTolPowerSupplyModel
• cpqHeFltTolPowerSupplySerialNumber
• cpqHeFltTolPowerSupplyAutoRev
• cpqHeFltTolPowerSupplyFirmwareRev
• cpqHeFltTolPowerSupplySparePartNum
• cpqSiServerSystemId
Supporting SNMP trap description: "The Power Supply is Degraded on Chassis [cpqHeFltTolPowerSupplyChassis], Bay [cpqHeFltTolPowerSupplyBay], Status [cpqHeFltTolPowerSupplyStatus], Model [cpqHeFltTolPowerSupplyModel], Serial Num [cpqHeFltTolPowerSupplySerialNumber], Firmware [cpqHeFltTolPowerSupplyFirmwareRev]."

Trap IDs: 6050-9010

6050 - cmahealthd
Log message: "The power supply has failed."
SNMP trap: cpqHe4FltTolPowerSupplyFailed - 6050 in CPQHLTH.MIB
Symptom: The fault tolerant power supply condition has been set to Failed for the specified chassis and bay location.
Supporting SNMP trap data:
• sysName
• cpqHoTrapFlags
• cpqHeFltTolPowerSupplyChassis
• cpqHeFltTolPowerSupplyBay
• cpqHeFltTolPowerSupplyStatus
• cpqHeFltTolPowerSupplyModel
• cpqHeFltTolPowerSupplySerialNumber
• cpqHeFltTolPowerSupplyAutoRev
• cpqHeFltTolPowerSupplyFirmwareRev
• cpqHeFltTolPowerSupplySparePartNum
• cpqSiServerSystemId
Supporting SNMP trap description: "The Power Supply is Failed on Chassis [cpqHeFltTolPowerSupplyChassis], Bay [cpqHeFltTolPowerSupplyBay], Status [cpqHeFltTolPowerSupplyStatus], Model [cpqHeFltTolPowerSupplyModel], Serial Num [cpqHeFltTolPowerSupplySerialNumber], Firmware [cpqHeFltTolPowerSupplyFirmwareRev]."
Bay [cpqHeFltTolPowerSupplyBay], Status [cpqHeFltTolPowerSupplyStatus], Model [cpqHeFltTolPowerSupplyModel], Serial Num [cpqHeFltTolPowerSupplySerialNumber], Firmware [cpqHeFltTolPowerSupplyFirmwareRev].”

6051 - cmahealthd
Log message: “Mirrored Memory Engaged”
SNMP trap: cpqHeResilientMemMirroredMemoryEngaged - 6051 in CPQHLTH.MIB
Symptom: Advanced Memory Protection Mirrored Memory Engaged. The Advanced Memory Protection subsystem has detected a memory fault. Mirrored Memory has been activated.
User action: Replace the faulty memory.
Supporting SNMP trap data:
  • sysName
  • cpqHoTrapFlags
Supporting SNMP trap description: “The Advanced Memory Protection subsystem has engaged the online spare memory.”

6052 - cmahealthd
Log message: “Advanced ECC Memory Engaged”
SNMP trap: cpqHeResilientAdvancedECCMemoryEngaged - 6052 in CPQHLTH.MIB
Symptom: Advanced Memory Protection Advanced ECC Memory Engaged. The Advanced Memory Protection subsystem has detected a memory fault. Advanced ECC has been activated.
User action: Replace the faulty memory.
Supporting SNMP trap data:
  • sysName
  • cpqHoTrapFlags
Supporting SNMP trap description: “The Advanced Memory Protection subsystem has engaged the advanced ECC memory.”

6053 - cmahealthd
Log message: “Advanced XOR Memory Engaged”
SNMP trap: cpqHeResilientMemXorMemoryEngaged - 6053 in CPQHLTH.MIB
Symptom: Advanced Memory Protection XOR Engine Memory Engaged. The Advanced Memory Protection subsystem detected a memory fault. The XOR engine has been activated.
User action: Replace the faulty memory.
Supporting SNMP trap data:
  • sysName
  • cpqHoTrapFlags
Supporting SNMP trap description: “The Advanced Memory Protection subsystem has engaged the XOR memory.”

6054 - cmahealthd
Log message: “The Power Supplies are now redundant on Chassis %d.”
SNMP trap: cpqHe3FltTolPowerRedundancyRestore - 6054 in CPQHLTH.MIB
Symptom: The fault tolerant power supplies have returned to a redundant state for the specified chassis.
User action: None required
Supporting SNMP trap data:
  • sysName
  • cpqHoTrapFlags
  • cpqHeFltTolPowerSupplyChassis
Supporting SNMP trap description: “The Power Supplies are now redundant on Chassis [cpqHeFltTolPowerSupplyChassis].”

6055 - cmahealthd
Log message: “The Fans are now redundant on Chassis %d.”
SNMP trap: cpqHe3FltTolFanRedundancyRestored - 6055 in CPQHLTH.MIB
Symptom: The Fault Tolerant Fans have returned to a redundant state for the specified chassis.
User action: None required
Supporting SNMP trap data:
- `sysName`
- `cpqHoTrapFlags`
- `cpqHeFltTolFanChassis`
Supporting SNMP trap description: “The Fans are now redundant on Chassis [cpqHeFltTolFanChassis].”

6057 - cmahealthd
Log message: "Memory Board or Cartridge Removed"
SNMP trap: `cpqHeResMemBoardRemoved` - 6057 in CPQHLTH.MIB
Symptom: Memory board or cartridge removed. An Advanced Memory Protection sub-system board or cartridge was removed from the system.
User action: Ensure the board or cartridge has memory correctly installed and reinsert the memory board or cartridge back into the system.
Supporting SNMP trap data:
- `sysName`
- `cpqHoTrapFlags`
- `cpqHeResMemBoardSlotIndex`
Supporting SNMP trap description: "Memory Board or Cartridge Removed from Slot [cpqHeResMemBoardSlotIndex]."

6058 - cmahealthd
Log message: "Memory Board or Cartridge Inserted"
SNMP trap: `cpqHeResMemBoardInserted` - 6058 in CPQHLTH.MIB
Symptom: Memory board or cartridge inserted. An Advanced Memory Protection sub-system board or cartridge has been inserted into the system.
User action: None required
Supporting SNMP trap data:
- `sysName`
- `cpqHoTrapFlags`
- `cpqHeResMemBoardSlotIndex`
Supporting SNMP trap description: "Memory Board or Cartridge Inserted into Slot [cpqHeResMemBoardSlotIndex]."

9003 - cmasm2d
Log message: “The Remote Insight firmware has detected unauthorized login attempts”
SNMP trap: `cpqSm2UnauthorizedLoginAttempts` - 9003 in CPQSM2.MIB
Supporting SNMP trap data:
- `sysName`
- `cpqHoTrapFlags`
- `cpqSm2CntlrBadLoginAttemptsThresh`
Supporting SNMP trap description: “More than [cpqSm2CntlrBadLoginAttemptsThresh] unauthorized login attempts detected.”

9004 - cmasm2d
Log message: “The Remote Insight Battery has failed and needs to be replaced”
SNMP trap: `cpqSm2BatteryFailed` - 9004 in CPQSM2.MIB
Symptom: Remote Insight Battery Failed. The Remote Insight battery has failed and needs to be replaced.
Supporting SNMP trap data:
- `sysName`
- `cpqHoTrapFlags`
Supporting SNMP trap description: “Remote Insight battery failed.”

9005 - cmasm2d
Log message: “The Remote Insight firmware has detected a board self test error”
SNMP trap: cpqSm2SelfTestError - 9005 in CPQSM2.MIB
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqSm2CntlrSelfTestErrors
Supporting SNMP trap description: “Remote Insight/Integrated Lights-Out self test error [cpqSm2CntlrSelfTestErrors].”

9006 - cmasm2d
Log message: “The firmware is not responding”
SNMP trap: cpqSm2InterfaceError - 9006 in CPQSM2.MIB
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
Supporting SNMP trap description: “Server [sysName], Remote Insight/Integrated Lights-Out interface error.”

9007 - cmasm2d
Log message: “The Remote Insight battery has been disconnected”
SNMP trap: cpqSm2BatteryDisconnected - 9007 in CPQSM2.MIB
Symptom: Remote Insight Battery Disconnected. The Remote Insight battery cable was disconnected.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
Supporting SNMP trap description: “Remote Insight battery disconnected.”

9008 - cmasm2d
Log message: “The Remote Insight keyboard cable has been disconnected”
SNMP trap: cpqSm2KeyboardCableDisconnected - 9008 in CPQSM2.MIB
Symptom: Keyboard Cable Disconnected. The Remote Insight keyboard cable was disconnected.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
Supporting SNMP trap description: “Remote Insight keyboard cable disconnected.”

9009 - cmasm2d
Log message: “The Remote Insight mouse cable has been disconnected”
SNMP trap: cpqSm2MouseCableDisconnected - 9009 in CPQSM2.MIB
Symptom: Mouse Cable Disconnected. The Remote Insight mouse cable was disconnected.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
Supporting SNMP trap description: “Remote Insight mouse cable disconnected.”

9010 - cmasm2d
Log message: “The Remote Insight external power cable has been disconnected”
SNMP trap: cpqSm2ExternalPowerCableDisconnected - 9010 in CPQSM2.MIB
Symptom: External Power Cable Disconnected. The Remote Insight external power cable was disconnected.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
Supporting SNMP trap description: “Remote Insight external power cable disconnected.”

**Trap IDs: 22001-22036**

**22001 - cmarackd**
Log message: “The Rack Name has changed”
SNMP trap: cpqRackNameChanged - 22001 in CPQRACK.MIB
Symptom: Rack name has changed. An agent or utility has changed the name of the rack. Each of the server blades in each of the enclosures within the rack will be updated to reflect the new rack name. It might take several minutes for the rack name change to be propagated throughout the entire rack.
User action: None
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqRackName
- cpqRackUid
- cpqRackSerialNum
- cpqRackTrapSequenceNum
Supporting SNMP trap description: “The rack name has changed to [cpqRackName].”

**22002 - cmarackd**
Log message: “The Enclosure Name has changed”
SNMP trap: cpqRackEnclosureNameChanged - 22002 in CPQRACK.MIB
Symptom: The enclosure name has changed. An agent or utility has changed the name of an enclosure within the rack. Each of the components within the rack will be updated to reflect the new enclosure name. It might take several minutes for the enclosure name change to be propagated throughout the entire enclosure.
User action: None
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqRackName
- cpqRackUid
- cpqRackCommonEnclosureName
- cpqRackCommonEnclosureSerialNum
- cpqRackCommonEnclosureModel
- cpqRackCommonEnclosureSparePartNumber
- cpqRackCommonEnclosureTrapSequenceNum
Supporting SNMP trap description: “The enclosure name has changed to [cpqRackCommonEnclosureName] in rack [cpqRackName].”

**22003 - cmarackd**
Log message: “Enclosure removed”
SNMP trap: cpqRackEnclosureRemoved - 22003 in CPQRACK.MIB
Symptom: The enclosure has been removed. An enclosure has been removed from the rack.
User action: None
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
• cpqRackName
• cpqRackUid
• cpqRackCommonEnclosureName
• cpqRackCommonEnclosureModel
• cpqRackCommonEnclosureSerialNum
• cpqRackCommonEnclosureSparePartNumber
• cpqRackCommonEnclosureTrapSequenceNum

Supporting SNMP trap description: "The enclosure [cpqRackCommonEnclosureName] has been removed from rack [cpqRackName]."

22004 - cmarackd
Log message: "Enclosure inserted"
SNMP trap: cpqRackEnclosureInserted - 22004 in CPQRACK.MIB
Symptom: The enclosure has been inserted. An enclosure has been inserted into the rack.
User action: None
Supporting SNMP trap data:
• sysName
• cpqHoTrapFlags
• cpqRackName
• cpqRackUid
• cpqRackCommonEnclosureName
• cpqRackCommonEnclosureModel
• cpqRackCommonEnclosureSerialNum
• cpqRackCommonEnclosureSparePartNumber
• cpqRackCommonEnclosureTrapSequenceNum

Supporting SNMP trap description: "The enclosure [cpqRackCommonEnclosureName] has been inserted into rack [cpqRackName]."

22013 - cmarackd
Log message: "Rack power supply failed"
SNMP trap: cpqRackPowerSupplyFailed - 22013 in CPQRACK.MIB
Symptom: The power supply status has been set to Failed. A power supply has failed.
User action: Replace the power supply as soon as possible.
Supporting SNMP trap data:
• sysName
• cpqHoTrapFlags
• cpqRackName
• cpqRackUid
• cpqRackPowerSupplyEnclosureName
• cpqRackPowerSupplySerialNum
• cpqRackPowerSupplyPosition
• cpqRackPowerSupplyFWRev
• cpqRackPowerSupplySparePartNumber
• cpqRackCommonEnclosureSerialNum
• cpqRackCommonEnclosureTrapSequenceNum

Supporting SNMP trap description: "The power supply [cpqRackPowerSupplyPosition] in enclosure [cpqRackPowerSupplyEnclosureName] in rack [cpqRackName] has been set to Failed."

22016 - cmahealthd
Log message: "Rack power supply removed"
SNMP trap: cpqRackPowerSupplyRemoved - 22016 in CPQRACK.MIB
Symptom: The power supply has been removed.
User action: None required
Supporting SNMP trap data:

22017 - cmahealthd
Log message: “Rack power supply inserted”
SNMP trap: cpqRackPowerSupplyInserted - 22017 in CPQRACK.MIB
Symptom: The power supply has been inserted.
User action: None required
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqRackName
- cpqRackUid
- cpqRackPowerSupplyEnclosureName
- cpqRackPowerSupplySerialNum
- cpqRackPowerSupplyPosition
- cpqRackPowerSupplyFWRev
- cpqRackPowerSupplySparePartNumber
- cpqRackCommonEnclosureSerialNum
- cpqRackCommonEnclosureTrapSequenceNum


22018 - cmahealthd
Log message: “Rack power supply not redundant”
SNMP trap: cpqRackPowerSubsystemNotRedundant - 22018 in CPQRACK.MIB
Symptom: The rack power subsystem is no longer in a redundant state.
User action: Replace any failed power supplies as soon as possible to return the system to a redundant state.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqRackName
- cpqRackUid
- cpqRackPowerEnclosureName
- cpqRackCommonEnclosureSerialNum
- cpqRackCommonEnclosureTrapSequenceNum

Supporting SNMP trap description: “The power subsystem in enclosure [cpqRackPowerEnclosureName] in rack [cpqRackName] is no longer redundant.”

22019 - cmahealthd
Log message: “Rack power supply detected an input voltage problem.”
SNMP trap: cpqRackPowerSubsystemLineVoltageProblem - 22019 in CPQRACK.MIB
Symptom: The rack power supply detected an input line voltage problem.
User action: Check the power input for the power supply or replace any failed power supplies as soon as possible.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqRackName
- cpqRackUid
- cpqRackPowerSupplyEnclosureName
- cpqRackPowerSupplyPosition
- cpqRackPowerSupplyFWRev
- cpqRackPowerSupplyInputLineStatus
- cpqRackPowerSupplySparePartNumber
- cpqRackCommonEnclosureSerialNum
- cpqRackCommonEnclosureTrapSequenceNum
Supporting SNMP trap description: "The rack power supply detected an input line voltage problem in power supply [cpqRackPowerSupplyPosition], enclosure [cpqRackPowerSupplyEnclosureName], rack [cpqRackName]."

22020 - cmahealthd
Log message: "Rack power subsystem overload condition"
SNMP trap: cpqRackPowerSubsystemOverloadCondition - 22020 in CPQRACK.MIB
Symptom: The rack power subsystem has an overload condition.
User action: Replace any failed power supplies as soon as possible to return the system to a redundant state.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqRackName
- cpqRackUid
- cpqRackPowerEnclosureName
- cpqRackCommonEnclosureSparePartNumber
- cpqRackCommonEnclosureSerialNum
- cpqRackCommonEnclosureTrapSequenceNum
Supporting SNMP trap description: "The power subsystem in enclosure [cpqRackPowerEnclosureName] in rack [cpqRackName] is in an overload condition."

22022 - cmahealthd
Log message: "Server power on prevented to preserve redundancy."
SNMP trap: cpqRackServerPowerOnFailedNotRedundant - 22022 in CPQRACK.MIB
Symptom: Server power on prevented to preserve redundancy. There is not enough power to power on the server blade and maintain redundancy for the other blades in the enclosure.
User action: Check power connections or add power supplies.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqRackName
- cpqRackUid
- cpqRackServerBladeEnclosureName
- cpqRackServerBladePosition
- cpqRackServerBladeSparePartNumber
- cpqRackCommonEnclosureSerialNum
- cpqRackCommonEnclosureTrapSequenceNum
Supporting SNMP trap description: "Server power on prevented to preserve redundancy in blade
[cpqRackServerBladePosition], in enclosure [cpqRackServerBladeEnclosureName], in rack [cpqRackName]."

22023 - cmahealthd
Log message: “Server power on prevented inadequate power to power on.”
SNMP trap: cpqRackServerPowerOnFailedNotEnoughPower - 22023 in CPQRACK.MIB
Symptom: Inadequate power to power on. There is not enough power to power on the server blade.
User action: Check power connections or add power supplies.
Supporting SNMP trap data:
  • sysName
  • cpqHoTrapFlags
  • cpqRackName
  • cpqRackUid
  • cpqRackServerBladeEnclosureName
  • cpqRackServerBladePosition
  • cpqRackServerBladeSparePartNumber
  • cpqRackCommonEnclosureSerialNum
  • cpqRackCommonEnclosureTrapSequenceNum
Supporting SNMP trap description: "Inadequate power to power on blade [cpqRackServerBladePosition], in enclosure [cpqRackServerBladeEnclosureName], in rack [cpqRackName]."

22024 - cmahealthd
Log message: “Server power on prevented server enclosure micro-controller not found.”
SNMP trap: cpqRackServerPowerOnFailedEnclosureNotFound - 22024 in CPQRACK.MIB
Symptom: Inadequate power to power on. There is not enough power to power on the server blade. The server enclosure micro-controller was not found.
User action: Check server enclosure connections or add power supplies.
Supporting SNMP trap data:
  • sysName
  • cpqHoTrapFlags
  • cpqRackName
  • cpqRackUid
  • cpqRackServerBladeEnclosureName
  • cpqRackServerBladePosition
  • cpqRackServerBladeSparePartNumber
  • cpqRackCommonEnclosureSerialNum
  • cpqRackCommonEnclosureTrapSequenceNum
Supporting SNMP trap description: "Inadequate power to power on blade [cpqRackServerBladePosition], in enclosure [cpqRackServerBladeEnclosureName], in rack [cpqRackName]."

22025 - cmahealthd
Log message: “Server power on prevented power enclosure micro-controller not found.”
SNMP trap: cpqRackServerPowerOnFailedPowerChassisNotFound - 22025 in CPQRACK.MIB
Symptom: Inadequate power to power on. There is not enough power to power on the server blade. The power enclosure micro-controller was not found.
User action: Check power enclosure connections or add power supplies.
Supporting SNMP trap data:
  • sysName
  • cpqHoTrapFlags
  • cpqRackName
  • cpqRackUid
  • cpqRackServerBladeEnclosureName
  • cpqRackServerBladePosition
  • cpqRackServerBladeSparePartNumber
• cpqRackCommonEnclosureSerialNum
• cpqRackCommonEnclosureTrapSequenceNum
Supporting SNMP trap description: "Inadequate power to power on blade [cpqRackServerBladePosition], in enclosure [cpqRackServerBladeEnclosureName], in rack [cpqRackName]."

22026 - cmahealthd
Log message: "Server power on via manual override."
Symptom: Server power on via manual override. The server blade was powered on by a manual override.
User action: None
Supporting SNMP trap data:
• sysName
• cpqHoTrapFlags
• cpqRackName
• cpqRackUid
• cpqRackServerBladeEnclosureName
• cpqRackServerBladePosition
• cpqRackServerBladeSparePartNumber
• cpqRackCommonEnclosureSerialNum
• cpqRackCommonEnclosureTrapSequenceNum
Supporting SNMP trap description: "Server power on via manual override on blade [cpqRackServerBladePosition], in enclosure [cpqRackServerBladeEnclosureName], in rack [cpqRackName]."

22027 - cmahealthd
Log message: "Rack enclosure fuse open."
SNMP trap: cpqRackFuseOpen - 22027 in CPQRACK.MIB
Symptom: Fuse open. The fuse has been tripped.
User action: Check enclosure and/or blade power connections and reset the fuse.
Supporting SNMP trap data:
• sysName
• cpqHoTrapFlags
• cpqRackName
• cpqRackUid
• cpqRackCommonEnclosureName
• cpqRackCommonEnclosureFuseLocation
• cpqRackCommonEnclosureSparePartNumber
• cpqRackCommonEnclosureSerialNum
• cpqRackCommonEnclosureTrapSequenceNum
Supporting SNMP trap description: "Fuse open fuse [cpqRackCommonEnclosureFuseLocation], in enclosure [cpqRackCommonEnclosureName], in rack [cpqRackName]."

22028 - cmahealthd
Log message: "Server blade removed"
SNMP trap: cpqRackServerBladeRemoved - 22028 in CPQRACK.MIB
Symptom: Server blade removed. The server blade has been removed from the enclosure.
User action: None
Supporting SNMP trap data:
• sysName
• cpqHoTrapFlags
• cpqRackName
• cpqRackUid
• cpqRackServerBladeEnclosureName
• cpqRackServerBladeName
• cpqRackServerBladePosition
• cpqRackServerBladeSparePartNumber
• cpqRackCommonEnclosureSerialNum
• cpqRackCommonEnclosureTrapSequenceNum


22029 - cmahealthd
Log message: “Server blade inserted”
SNMP trap: cpqRackServerBladeInserted - 22029 in CPQRACK.MIB
Symptom: Server blade inserted. The server blade has been inserted into the enclosure.
User action: None
Supporting SNMP trap data:
• sysName
• cpqHoTrapFlags
• cpqRackName
• cpqRackUid
• cpqRackServerBladeEnclosureName
• cpqRackServerBladeName
• cpqRackServerBladePosition
• cpqRackServerBladeSparePartNumber
• cpqRackCommonEnclosureSerialNum
• cpqRackCommonEnclosureTrapSequenceNum

Supporting SNMP trap description: “Server blade [cpqRackServerBladeName] inserted into position [cpqRackServerBladePosition], in enclosure [cpqRackServerBladeEnclosureName], in rack [cpqRackName].”

22030 - cmahealthd
Log message: “Power subsystem not load balanced.”
SNMP trap: cpqRackPowerChassisNotLoadBalanced - 22030 in CPQRACK.MIB
Symptom: Power subsystem not load balanced. The power subsystem is out of balance for this power enclosure.
User action: Check the power enclosure and power supplies. Replace any failed or degraded power supplies. Add additional power supplies if needed.
Supporting SNMP trap data:
• sysName
• cpqHoTrapFlags
• cpqRackName
• cpqRackUid
• cpqRackCommonEnclosureName
• cpqRackCommonEnclosureSerialNum
• cpqRackCommonEnclosureSparePartNumber
• cpqRackCommonEnclosureTrapSequenceNum

Supporting SNMP trap description: “Power subsystem not load balanced in enclosure [cpqRackCommonEnclosureName], in rack [cpqRackName].”

22031 - cmahealthd
Log message: “Power subsystem DC power problem.”
SNMP trap: cpqRackPowerChassisDcPowerProblem - 22031 in CPQRACK.MIB
Symptom: Power subsystem DC power problem. There is a power subsystem DC power problem for this power enclosure.
User action: Check the power enclosure and power supplies. Replace any failed or degraded power supplies.
Supporting SNMP trap data:
• sysName
• cpqHoTrapFlags
• cpqRackName
• cpqRackUid
• cpqRackCommonEnclosureName
• cpqRackCommonEnclosureSerialNum
• cpqRackCommonEnclosureSparePartNumber
• cpqRackCommonEnclosureTrapSequenceNum

Supporting SNMP trap description: “Power subsystem DC power problem in enclosure [cpqRackCommonEnclosureName], in rack [cpqRackName].”

22032 - cmahealthd
Log message: “Power subsystem AC facility input power exceeded.”
SNMP trap: cpqRackPowerChassisAcFacilityPowerExceeded - 22032 in CPQRACK.MIB
Symptom: Power subsystem AC facility input power exceeded for this power enclosure.
User action: Check the power enclosure and power supplies. Replace any failed or degraded power supplies.
Supporting SNMP trap data:
• sysName
• cpqHoTrapFlags
• cpqRackName
• cpqRackUid
• cpqRackCommonEnclosureName
• cpqRackCommonEnclosureSerialNum
• cpqRackCommonEnclosureSparePartNumber
• cpqRackCommonEnclosureTrapSequenceNum

Supporting SNMP trap description: “Power subsystem AC facility input power exceeded in enclosure [cpqRackCommonEnclosureName], in rack [cpqRackName].”

22033 - cmahealthd
Log message: “Unknown power consumption”
SNMP trap: cpqRackPowerUnknownPowerConsumption - 22033 in CPQRACK.MIB
Symptom: Unknown power consumption. There is an unknown power consumer drawing power.
User action: Check the power enclosure and power supplies. Replace any failed or degraded power supplies.
Supporting SNMP trap data:
• sysName
• cpqHoTrapFlags
• cpqRackName
• cpqRackUid
• cpqRackCommonEnclosureSerialNum
• cpqRackCommonEnclosureTrapSequenceNum

Supporting SNMP trap description: “Unknown power consumption in rack [cpqRackName].”

22034 - cmahealthd
Log message: “Power subsystem load balancing wire missing”
SNMP trap: cpqRackPowerChassisLoadBalancingWireMissing - 22034 in CPQRACK.MIB
Symptom: Power subsystem load balancing wire missing. The power subsystem load balancing wire is missing.
User action: Connect the load balancing wire.
Supporting SNMP trap data:
• sysName
• cpqHoTrapFlags
• cpqRackName

Supporting SNMP trap description: “Power subsystem load balancing wire missing in rack [cpqRackName].”
- cpqRackUid
- cpqRackCommonEnclosureName
- cpqRackCommonEnclosureSerialNum
- cpqRackCommonEnclosureSparePartNumber
- cpqRackCommonEnclosureTrapSequenceNum

Supporting SNMP trap description: "Power subsystem load balancing wire missing for enclosure [cpqRackCommonEnclosureName], in rack [cpqRackName]."

**22035 - cmahealthd**

Log message: “Power subsystem has too many power enclosures.”
SNMP trap: cpqRackPowerChassisTooManyPowerChassis - 22035 in CPQRACK.MIB
Symptom: Power subsystem has too many power enclosures. The maximum number of power enclosures was exceeded.
User action: Remove the extra power enclosure.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqRackName
- cpqRackUid
- cpqRackCommonEnclosureName
- cpqRackCommonEnclosureSerialNum
- cpqRackCommonEnclosureTrapSequenceNum

Supporting SNMP trap description: "Power subsystem has too many power enclosures [cpqRackCommonEnclosureName], in rack [cpqRackName]."

**22036 - cmahealthd**

Log message: “Power subsystem has been improperly configured.”
SNMP trap: cpqRackPowerChassisConfigError - 22036 in CPQRACK.MIB
Symptom: Power subsystem improperly configured. The power subsystem was improperly configured.
User action: Check the cabling of the power enclosure.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqRackName
- cpqRackUid
- cpqRackCommonEnclosureName
- cpqRackCommonEnclosureSerialNum
- cpqRackCommonEnclosureSparePartNumber
- cpqRackCommonEnclosureTrapSequenceNum

Supporting SNMP trap description: "Power subsystem has been improperly configured in enclosure [cpqRackCommonEnclosureName], in rack [cpqRackName]."

**NIC agents**

**Trap IDs: 18001-18014**

**18001 - cmanicd**

Log message: “Connectivity is restored for adapter in slot %d, port %d”
SNMP trap: cpqNicConnectivityRestored - 1 8001 in CPQNIC.MIB
Symptom: This trap is sent any time connectivity is restored to a logical adapter. This occurs when the physical adapter in a single adapter configuration returns to the OK condition or at least one physical adapter in a logical adapter group returns to the OK condition. This can be caused by replacement of a faulty cable or re-attaching a cable that was unplugged.
User action: None required
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqNicIfPhysAdapterSlot
- cpqNicIfPhysAdapterPort

Supporting SNMP trap description: “Connectivity is restored for adapter in slot [cpqNicIfPhysAdapterSlot], port [cpqNicIfPhysAdapterPort].”

18002 - cmanicd
Log message: “Connectivity lost for adapter in slot %d, port %d”
SNMP trap: cpqNicConnectivityLost - 1 8002 in CPQNIC.MIB
Symptom: This trap is sent any time the status of a logical adapter changes to the Failed condition. This occurs when the adapter in a single adapter configuration fails, or when the last adapter in a redundant configuration fails. This can be caused by loss of link because of a cable being removed from the adapter or the hub or switch. Internal adapter, hub, or switch failures can also cause this condition.
User action: Check the cables to the adapter and the hub or switch. If no cable problems are found, the adapter, hub, or switch may need replacement.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqNicIfPhysAdapterSlot
- cpqNicIfPhysAdapterPort

Supporting SNMP trap description: “Connectivity lost for adapter in slot [cpqNicIfPhysAdapterSlot], port [cpqNicIfPhysAdapterPort].”

18005 - cmanicd
Log message: “Connectivity is restored for adapter in slot %d, port %d.”
SNMP trap: cpqNic2ConnectivityRestored – 1 8005 in CPQNIC.MIB
Symptom: This trap is sent any time connectivity is restored to a logical adapter. This occurs when the physical adapter in a single adapter configuration returns to the OK condition or at least one physical adapter in a logical adapter group returns to the OK condition. This can be caused by replacement of a faulty cable or re-attaching a cable that was unplugged.
User action: None required
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqNicIfPhysAdapterSlot
- cpqNicIfPhysAdapterPort
- cpqSiServerSystemId,
- cpqNicIfPhysAdapterStatus
- cpqSePciSlotBoardName
- cpqNicIfPhysAdapterPartNumber
- ipAdEntAddr

Supporting SNMP trap description: “Connectivity is restored for adapter in slot [cpqNicIfPhysAdapterSlot], port [cpqNicIfPhysAdapterPort].”

18006 - cmanicd
Log message: “Connectivity lost for adapter in slot %d, port %d.”
SNMP trap: cpqNic2ConnectivityLost – 1 8006 in CPQNIC.MIB
Symptom: This trap is sent any time the status of a logical adapter changes to the Failed condition. This occurs when the adapter in a single adapter configuration fails, or when the last adapter in a redundant configuration fails. This can be caused by loss of link because of a cable being removed from the adapter or the hub or switch. Internal adapter, hub, or switch failures can also cause this condition.
User action: Check the cables to the adapter and the hub or switch. If no cable problems are found, the
adapter, hub, or switch may need replacement.

Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqNicIfPhysAdapterSlot
- cpqNicIfPhysAdapterPort
- cpqSiServerSystemId
- cpqNicIfPhysAdapterStatus
- cpqSePciSlotBoardName
- cpqNicIfPhysAdapterPartNumber
- ipAdEntAddr

Supporting SNMP trap description: "Connectivity lost for adapter in slot [cpqNicIfPhysAdapterSlot], port [cpqNicIfPhysAdapterPort]."

18007 - cmanicd
Log message: “Redundancy increased by adapter in slot %d, port %d.”
SNMP trap: cpqNic2RedundancyIncreased – 1 8007 in CPQNIC.MIB
Symptom: This trap is sent any time a previously failed physical in a connected logical adapter group returns to the OK condition. This trap is not sent when a logical adapter group has connectivity restored from a Failed condition. The cpqNicConnectivityRestored trap is sent instead. This can be caused by replacement of a faulty cable or re-attaching a cable that was unplugged.
User action: None required
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqNicIfPhysAdapterSlot
- cpqNicIfPhysAdapterPort
- cpqSiServerSystemId
- cpqNicIfPhysAdapterStatus
- cpqSePciSlotBoardName
- cpqNicIfPhysAdapterPartNumber
- ipAdEntAddr
- cpqNicIfLogMapAdapterOKCoun

Supporting SNMP trap description: "Redundancy increased by adapter in slot [cpqNicIfPhysAdapterSlot], port [cpqNicIfPhysAdapterPort]."

18008 - cmanicd
Log message: “Redundancy decreased by adapter in slot %d, port %d.”
SNMP trap: cpqNic2RedundancyReduced – 1 8008 in CPQNIC.MIB
Symptom: This trap is sent any time a physical adapter in a logical adapter group changes to the Failed condition, but at least one physical adapter remains in the OK condition. This can be caused by loss of link because of a cable being removed from the adapter or the hub or switch. Internal adapter, hub, or switch failures can also cause this condition.
User action: Check the cables to the adapter and the hub or switch. If no cable problems are found, the adapter, hub, or switch might need replacement.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqNicIfPhysAdapterSlot
- cpqNicIfPhysAdapterPort
- cpqSiServerSystemId
- cpqNicIfPhysAdapterStatus
- cpqSePciSlotBoardName
- cpqNicIfPhysAdapterPartNumber
Supporting SNMP trap description: "Redundancy decreased by adapter in slot [cpqNicIfPhysAdapterSlot], port [cpqNicIfPhysAdapterPort]."

18009 - cmanicd
Log message: "Virus-like activity detected"
SNMP trap: cpqNicVirusLikeActivityDetected – 1 8009 in CPQNIC.MIB
Symptom: This trap is sent when the Virus Throttle Filter Driver detects virus like activity.
User action: The system reporting this trap requires immediate attention.
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqSiServerSystemId
Supporting SNMP trap description: "Virus-like activity detected"

18010 - cmanicd
Log message: "Virus-like activity no longer detected"
SNMP trap: cpqNicVirusLikeActivityStopped – 18010 in CPQNIC.MIB
Symptom: This trap is sent when the Virus Throttle Filter Driver no longer detects virus like activity.
User action: None required
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqSiServerSystemId
Supporting SNMP trap description: "Virus-like activity no longer detected"

18011 – cmanicd
Log message: "Connectivity is restored for adapter in slot %d, port %d."
SNMP Trap: cpqNic3ConnectivityRestored – 18011 in CPQNIC.MIB
Symptom: This trap will be sent any time connectivity is restored to a logical adapter. This occurs when the physical adapter in a single adapter configuration returns to the OK condition or at least one physical adapter in a logical adapter group returns to the OK condition. This can be caused by replacement of a faulty cable or re-attaching a cable that was unplugged.
User Action: None required
Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqSiServerSystemId
- cpqNicIfPhysAdapterSlot
- cpqNicIfPhysAdapterPort
- cpqNicIfPhysAdapterStatus
- cpqSePciSlotBoardName
- cpqNicIfPhysAdapterPartNumber
- ipAdEntAddr
- cpqNicIfLogMapIPV6Address
Supporting SNMP trap description: "Connectivity is restored for adapter in slot [cpqNicIfPhysAdapterSlot], port [cpqNicIfPhysAdapterPort]."

18012 – cmanicd
Log message: "Connectivity Lost for adapter in slot %d, port %d."
SNMP Trap: cpqNic3ConnectivityLost – 18012 in CPQNIC.MIB
Symptom: This trap will be sent any time the status of a logical adapter changes to the Failed condition. This occurs when the adapter in a single adapter configuration fails, or when the last adapter in a redundant configuration fails. This can be caused by loss of link due to a cable being removed from the
adapter or the Hub or Switch. Internal adapter, Hub, or Switch failures can also cause this condition.
User Action: Check the cables to the adapter and the Hub or Switch. If no cable problems are found, the
adapter, Hub, or Switch may need replacement.

Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqNicIfPhysAdapterSlot
- cpqNicIfPhysAdapterPort
- cpqSiServerSystemId
- cpqNicIfPhysAdapterStatus
- cpqSePciSlotBoardName
- cpqNicIfPhysAdapterPartNumber
- ipAdEntAddr
- cpqNicIfLogMapIPV6Address

Supporting SNMP trap description: "Connectivity lost for adapter in slot [cpqNicIfPhysAdapterSlot], port
[cpqNicIfPhysAdapterPort]."

18013 – cmanicd
Log message: "Redundancy increased by adapter in slot %d, port %d."
SNMP Trap: cpqNic3RedundancyIncreased – 18013 in CPQNIC.MIB
Symptom: This trap will be sent any time a previously failed physical adapter in a connected logical
adapter group returns to the OK condition. This trap is not sent when a logical adapter group has
connectivity restored from a Failed condition. The cpqNicConnectivityRestored trap is sent instead. This
can be caused by replacement of a faulty cable or re-attaching a cable that was unplugged.
User Action: None required.

Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqNicIfPhysAdapterSlot
- cpqNicIfPhysAdapterPort
- cpqSiServerSystemId
- cpqNicIfPhysAdapterStatus
- cpqSePciSlotBoardName
- cpqNicIfPhysAdapterPartNumber
- ipAdEntAddr
- cpqNicIfLogMapIPV6Address
- cpqNicIfLogMapAdapterOKCount

Supporting SNMP trap description: "Redundancy increased by adapter in slot [cpqNicIfPhysAdapterSlot], port
[cpqNicIfPhysAdapterPort]."

18014 – cmanicd
Log message: "Redundancy Reduced by adapter in slot %d, port %d."
SNMP Trap: cpqNic3RedundancyReduced – 18014 in CPQNIC.MIB
Symptom: This trap will be sent any time a physical adapter in a logical adapter group changes to the
Failed condition, but at least one physical adapter remains in the OK condition. This can be caused by
loss of link due to a cable being removed from the adapter or the Hub or Switch. Internal adapter, Hub, or
Switch failures can also cause this condition.
User Action: Check the cables to the adapter and the Hub or Switch. If no cable problems are found, the
adapter, Hub, or Switch may need replacement.

Supporting SNMP trap data:
- sysName
- cpqHoTrapFlags
- cpqNicIfPhysAdapterSlot
- cpqNicIfPhysAdapterPort
- cpqSiServerSystemId
- cpqNicIfPhysAdapterStatus
- cpqSePciSlotBoardName
- cpqNicIfPhysAdapterPartNumber
- ipAdEntAddr
- cpqNicIfLogMapIPV6Address
- cpqNicIfLogMapAdapterOKCount

Supporting SNMP trap description: "Redundancy decreased by adapter in slot [cpqNicIfPhysAdapterSlot], port [cpqNicIfPhysAdapterPort]."