

Jun 9 14:51:10 EMS [2371]: ----- EMS Event Notification ----- Value: "SERIOUS (4)" for Resource: "/storage/event s/disks/default/0_4_1_1.0.0" (Threshold: >= " 3") Execute the following command to obtain event details: /opt/resmon/bin/resdata -R 155385864 -r /storage/events/disks/default/0_4_1_1.0.0 -n 155385857 -a

/opt/resmon/bin/resdata -R 155385864 -r /storage/events/disks/default/0_4_1_1.0.0 -n 155385857 -a

ARCHIVED MONITOR DATA:

Event Time.....: Mon Jun 9 14:51:10 2008
Severity.....: SERIOUS
Monitor.....: disk_em
Event #.....: 10
System.....:

Summary:

Disk at hardware path 0/4/1/1.0.0 : A SMART event has occurred.

Description of Error:

The drive has predicted that it will fail in the near future. Contact your HP support representative as soon as possible.

Probable Cause / Recommended Action:

A SMART event has occurred. The drive has detected a serious condition in itself that indicates it will soon fail. Contact your HP support representative as soon as possible. Back up the data on the drive now!

Additional Event Data:

System IP Address...:
System IP Address...: System IP Address...:

Event Id.....: 0x484cf60600000000
Monitor Version.....: B.01.01
Event Class.....: I/O
Client Configuration File.....:
/var/stm/config/tools/monitor/default_disk_em.clcfg
Client Configuration File Version...: A.01.00

Qualification criteria met.

Number of events..: 1

Associated OS error log entry id(s):

0x484cf60600000000

Additional System Data:

System Model Number.....: 9000/800/rp3410

OS Version.....: B.11.11

STM Version.....: A.45.00

EMS Version.....: A.04.00

Latest information on this event:

http://docs.hp.com/hpux/content/hardware/ems/disk_em.htm#10

v-v-v-v-v-v-v-v-v-v-v-v D E T A I L S v-v-v-v-v-v-v-v-v-v-v-v

Component Data:

Physical Device Path...: 0/4/1/1.0.0

Device Class.....: Disk

Inquiry Vendor ID.....: HP 73.4G

Inquiry Product ID.....: ST373307LC

Firmware Version.....: HPC5

Serial Number.....: 3HZ7TF6600007502A6G0

Product/Device Identification Information:

Logger ID.....: sdisk

Product Identifier: SCSI Disk

Product Qualifier.: HP73.4GST373307LC

SCSI Target ID.....: 0x00

SCSI LUN.....: 0x00

I/O Log Event Data:

Driver Status Code.....: 0x0000000B

Length of Logged Hardware Status....: 22 bytes.

Offset to Logged Manager Information: 24 bytes.

Length of Logged Manager Information: 34 bytes.

Hardware Status:

Raw H/W Status:

0x0000: 00 00 00 02 70 00 06 00 00 00 00 0A 00 00 00 00

0x0010: 5D 04 05 00 00 00

SCSI Status...: CHECK CONDITION (0x02)

Indicates that a contingent allegiance condition has occurred. Any error, exception, or abnormal condition that causes sense data to be set will produce the CHECK CONDITION status.

SCSI Sense Data:

Undecoded Sense Data:

0x0000: 70 00 06 00 00 00 00 0A 00 00 00 00 5D 04 05 00
0x0010: 00 00

SCSI Sense Data Fields:

Error Code : 0x70
Segment Number : 0x00
Bit Fields:
Filemark : 0
End-of-Medium : 0
Incorrect Length Indicator : 0
Sense Key : 0x06
Information Field Valid : FALSE
Information Field : 0x00000000
Additional Sense Length : 10
Command Specific : 0x00000000
Additional Sense Code : 0x5D
Additional Sense Qualifier : 0x04
Field Replaceable Unit : 0x05
Sense Key Specific Data Valid : FALSE
Sense Key Specific Data : 0x00 0x00 0x00

Sense Key 0x06, UNIT ATTENTION, indicates that the target has been reset by a BUS DEVICE RESET message, a hard reset condition, or by a power-on reset. If not a reset, then one of the following may have occurred.

1. A removable medium may have been changed.
2. The mode parameters in effect for this initiator have been changed by another initiator.
3. The version or level of microcode has been changed.
4. Tagged commands queued for this initiator were cleared by another initiator.
5. INQUIRY data has been changed.
6. The mode parameters in effect for this initiator have been

restored from non-volatile memory.

7. A change in the condition of a synchronized spindle.
8. Any other event that requires the attention of the initiator.

SCSI Command Data Block:

Command Data Block Contents:

0x0000: 28 00 01 A0 D6 90 00 00 10 00

Command Data Block Fields (10-byte fmt):

Command Operation Code...(0x28)...: READ
Logical Unit Number.....: 0
DPO Bit.....: 0
FUA Bit.....: 0
Relative Address Bit.....: 0
Logical Block Address.....: 27317904 (0x01A0D690)
Transfer Length.....: 16 (0x0010)

Manager-Specific Data Fields:

Request ID.....: 0x05A72BC1
Data Residue.....: 0x00002000
CDB status.....: 0x00000002
Sense Status.....: 0x00000000
Bus ID.....: 0x05
Target ID.....: 0x00
LUN ID.....: 0x00
Sense Data Length.....: 0x12
Q Tag.....: 0x6C
Retry Count.....: 0

@

#

Jun 9 15:58:01 EMS [2371]: ----- EMS Event Notification ----- Value: "CRITICAL (5)" for
Resource: "/storage/even
ts/disks/default/0_4_1_1.0.0" (Threshold: >= " 3") Execute the following command to obtain event
details: /opt/resm
on/bin/resdata -R 155385864 -r /storage/events/disks/default/0_4_1_1.0.0 -n 155385858 -a
syslog.

/opt/resmon/bin/resdata -R 155385864 -r /storage/events/disks/default/0_4_1_1.0.0 -n 155385858 -a

CURRENT MONITOR DATA:

Event Time.....: Mon Jun 9 15:58:00 2008
Severity.....: CRITICAL
Monitor.....: disk_em
Event #.....: 100142
System.....:

Summary:

Disk at hardware path 0/4/1/1.0.0 : Media failure

Description of Error:

While attempting to spare a block, the device failed to do so because no defect spare location was available. The I/O request that necessitated this action may have been processed in a way which could cause damage to or loss of data.

Probable Cause / Recommended Action:

Reformatting the medium may fix the problem.

Alternatively, the medium in the device is flawed. If the medium is removable, replace the medium with a fresh one.

Alternatively, if the medium is not removable, the device has experienced a hardware failure. Contact your HP support representative to have the device checked.

Additional Event Data:

System IP Address...:
System IP Address...: System IP Address...:

Event Id.....: 0x484d05b100000000
Monitor Version.....: B.01.01
Event Class.....: I/O
Client Configuration File.....:
/var/stm/config/tools/monitor/default_disk_em.clcfg
Client Configuration File Version...: A.01.00
Qualification criteria met.
Number of events..: 1

Associated OS error log entry id(s):

0x484d05b000000000

Additional System Data:

System Model Number.....: 9000/800/rp3410

OS Version.....: B.11.11

STM Version.....: A.45.00

EMS Version.....: A.04.00

Latest information on this event:

<http://docs.hp.com/hpux/content/hardware/ems/scsi.htm#100142>

v-v-v-v-v-v-v-v-v-v-v-v D E T A I L S v-v-v-v-v-v-v-v-v-v-v-v

Component Data:

Physical Device Path...: 0/4/1/1.0.0

Device Class.....: Disk

Inquiry Vendor ID.....: HP 73.4G

Inquiry Product ID.....: ST373307LC

Firmware Version.....: HPC5

Serial Number.....: 3HZ7TF6600007502A6G0

Product/Device Identification Information:

Logger ID.....: sdisk

Product Identifier: SCSI Disk

Product Qualifier.: HP73.4GST373307LC

SCSI Target ID....: 0x00

SCSI LUN.....: 0x00

I/O Log Event Data:

Driver Status Code.....: 0x0000007E

Length of Logged Hardware Status....: 22 bytes.

Offset to Logged Manager Information: 24 bytes.

Length of Logged Manager Information: 34 bytes.

Hardware Status:

Raw H/W Status:

0x0000: 00 00 00 02 F0 00 04 04 4E 8C 4A 0A 00 00 00 00

0x0010: 32 00 04 00 00 00

SCSI Status...: CHECK CONDITION (0x02)

Indicates that a contingent allegiance condition has occurred. Any error, exception, or abnormal condition that causes sense data to be set will produce the CHECK CONDITION status.

SCSI Sense Data:

Undecoded Sense Data:

0x0000: F0 00 04 04 4E 8C 4A 0A 00 00 00 00 32 00 04 00
0x0010: 00 00

SCSI Sense Data Fields:

Error Code : 0x70
Segment Number : 0x00
Bit Fields:
Filemark : 0
End-of-Medium : 0
Incorrect Length Indicator : 0
Sense Key : 0x04
Information Field Valid : TRUE
Information Field : 0x044E8C4A
Additional Sense Length : 10
Command Specific : 0x00000000
Additional Sense Code : 0x32
Additional Sense Qualifier : 0x00
Field Replaceable Unit : 0x04
Sense Key Specific Data Valid : FALSE
Sense Key Specific Data : 0x00 0x00 0x00

Sense Key 0x04, **HARDWARE ERROR**, indicates that the device detected a nonrecoverable hardware failure (for example, controller failure, device failure, parity error, etc.) while performing the command or during a self test.

The combination of Additional Sense Code and Sense Qualifier (0x3200) indicates: No defect spare location available.

SCSI Command Data Block:

Command Data Block Contents:

0x0000: 28 00 04 4E 8C 00 00 00 60 00

Command Data Block Fields (10-byte fmt):

Command Operation Code...(0x28)...: READ

Logical Unit Number.....: 0

DPO Bit.....: 0

FUA Bit.....: 0

Relative Address Bit.....: 0

Logical Block Address.....: 72256512 (0x044E8C00)

Transfer Length.....: 96 (0x0060)

Manager-Specific Data Fields:

Request ID.....: 0x05E1AB29

Data Residue.....: 0x00002C00

CDB status.....: 0x00000002

Sense Status.....: 0x00000000

Bus ID.....: 0x05

Target ID.....: 0x00

LUN ID.....: 0x00

Sense Data Length.....: 0x12

Q Tag.....: 0x54

Retry Count.....: 14