Subject: SATA HDD Problem
Posted by Markus Hardiyanto on Mon, 16 Jul 2007 08:36:27 GMT
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Hello,

i installed openvz with 2.6.18 kernel and having problem
with sata HDD on my server.. here is the error message from
/var/log/messages:

Jul 14 06:46:39 cl-44 kernel: ata1.00: exception Emask 0x0 SAct 0x0 SErr
0x0 action 0x0

Jul 14 06:46:39 cl-44 kernel: ata1.00: tag 0 cmd 0xb0 Emask 0x1 stat
0x51 err 0x4 (device error)

Jul 14 06:46:39 cl-44 kernel: ata1: EH complete

Jul 14 06:46:39 cl-44 kernel: ata1.00: exception Emask 0x0 SAct 0x0 SErr
0x0 action 0x0

Jul 14 06:46:39 cl-44 kernel: ata1.00: tag 0 cmd 0xb0 Emask 0x1 stat
0x51 err 0x4 (device error)

Jul 14 06:46:39 cl-44 kernel: ata1: EH complete

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Jul 14 06:46:39 cl-44 kernel: ata1: EH complete

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Jul 14 06:46:39 cl-44 kernel: ata1.00: tag 0 cmd 0xb0 Emask 0x1 stat
0x51 err 0x4 (device error)

Jul 14 06:46:39 cl-44 kernel: ata1: EH complete

Jul 14 06:46:39 cl-44 kernel: ata1.00: exception Emask 0x0 SAct 0x0 SErr 0x0 action 0x0

Jul 14 06:46:39 cl-44 kernel: ata1.00: tag 0 cmd 0xb0 Emask 0x1 stat 0x51 err 0x4 (device error)

Jul 14 06:46:39 cl-44 kernel: ata1: EH complete

Jul 14 06:50:13 cl-44 kernel: hda: status error: status=0x20 { DeviceFault }

Jul 14 06:50:13 cl-44 kernel: ide: failed opcode was: unknown

Jul 14 06:50:13 cl-44 kernel: hda: ATAPI reset complete

Jul 14 06:50:13 cl-44 kernel: hda: status error: status=0x20 { DeviceFault }

Jul 14 06:50:13 cl-44 kernel: ide: failed opcode was: unknown

Jul 14 06:50:13 cl-44 kernel: hda: ATAPI reset complete

Jul 14 06:50:13 cl-44 kernel: hda: status error: status=0x20 { DeviceFault }

Jul 14 06:50:13 cl-44 kernel: ide: failed opcode was: unknown

Jul 14 06:50:13 cl-44 kernel: hda: status error: status=0x20 { DeviceFault }

Jul 14 06:50:13 cl-44 kernel: ide: failed opcode was: unknown

Jul 14 06:50:13 cl-44 kernel: hda: ATAPI reset complete

Jul 14 06:50:13 cl-44 kernel: hda: status error: status=0x20 { DeviceFault }

Jul 14 06:50:13 cl-44 kernel: ide: failed opcode was: unknown

Jul 14 06:50:13 cl-44 kernel: hda: ATAPI reset complete

Jul 14 06:50:13 cl-44 kernel: hda: status error: status=0x20 { DeviceFault }

Jul 14 06:50:13 cl-44 kernel: ide: failed opcode was: unknown

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Jul 14 06:50:13 cl-44 kernel: ide: failed opcode was: unknown

Jul 14 06:50:13 cl-44 kernel: hda: ATAPI reset complete

Jul 14 06:50:13 cl-44 kernel: hda: status error: status=0x20 { DeviceFault }

Jul 14 06:50:13 cl-44 kernel: ide: failed opcode was: unknown

Jul 14 06:50:13 cl-44 kernel: hda: ATAPI reset complete

Jul 14 06:50:13 cl-44 kernel: hda: status error: status=0x20 { DeviceFault }

Jul 14 06:50:13 cl-44 kernel: ide: failed opcode was: unknown

Jul 14 06:50:13 cl-44 kernel: hda: status error: status=0x20 { DeviceFault }

Jul 14 06:50:13 cl-44 kernel: ide: failed opcode was: unknown

Jul 14 06:55:38 cl-44 smartd[2673]: smartd version 5.36
[x86_64-redhat-linux-gnu] Copyright (C) 2002-6 Bruce Allen

Jul 14 06:55:38 cl-44 smartd[2673]: Home page is
http://smartmontools.sourceforge.net/

Jul 14 06:55:38 cl-44 smartd[2673]: Opened configuration file
/etc/smartd.conf

Jul 14 06:55:38 cl-44 smartd[2673]: Configuration file /etc/smartd.conf
parsed.

Jul 14 06:55:38 cl-44 smartd[2673]: Device: /dev/sda, opened

Jul 14 06:55:38 cl-44 smartd[2673]: Device: /dev/sda, not found in
smartd database.

Jul 14 06:55:39 cl-44 smartd[2673]: Device: /dev/sda, is SMART capable.
Adding to "monitor" list.

Jul 14 06:55:39 cl-44 smartd[2673]: Monitoring 1 ATA and 0 SCSI devices

Jul 14 06:55:39 cl-44 smartd[2673]: Device: /dev/sda, 60 Currently
unreadable (pending) sectors

Jul 14 06:55:39 cl-44 smartd[2673]: Sending warning via mail to root ...

Jul 14 06:55:39 cl-44 smartd[2673]: Warning via mail to root: successful

Jul 14 06:55:39 cl-44 smartd[2673]: Device: /dev/sda, 65 Offline uncorrectable sectors

Jul 14 06:55:39 cl-44 smartd[2673]: Sending warning via mail to root ...

Jul 14 06:55:39 cl-44 smartd[2673]: Warning via mail to root: successful

Jul 14 06:55:39 cl-44 smartd[2687]: smartd has fork()ed into background mode. New PID=2687.

Jul 14 07:25:39 cl-44 smartd[2687]: Device: /dev/sda, 60 Currently unreadable (pending) sectors

Jul 14 07:25:39 cl-44 smartd[2687]: Device: /dev/sda, 65 Offline uncorrectable sectors

Jul 14 07:55:39 cl-44 smartd[2687]: Device: /dev/sda, 60 Currently unreadable (pending) sectors

Jul 14 07:55:39 cl-44 smartd[2687]: Device: /dev/sda, 65 Offline uncorrectable sectors

Jul 14 08:04:49 cl-44 init: Trying to re-exec init

Jul 14 08:25:39 cl-44 smartd[2687]: Device: /dev/sda, 60 Currently unreadable (pending) sectors

Jul 14 08:25:39 cl-44 smartd[2687]: Device: /dev/sda, 65 Offline uncorrectable sectors

Jul 14 08:55:39 cl-44 smartd[2687]: Device: /dev/sda, 60 Currently unreadable (pending) sectors

Jul 14 08:55:39 cl-44 smartd[2687]: Device: /dev/sda, 65 Offline uncorrectable sectors

Jul 14 09:25:40 cl-44 smartd[2687]: Device: /dev/sda, 60 Currently unreadable (pending) sectors

Jul 14 09:25:40 cl-44 smartd[2687]: Device: /dev/sda, 65 Offline uncorrectable sectors

Jul 14 09:55:39 cl-44 smartd[2687]: Device: /dev/sda, 60 Currently unreadable (pending) sectors

Jul 14 09:55:39 cl-44 smartd[2687]: Device: /dev/sda, 65 Offline uncorrectable sectors

Jul 14 10:25:39 cl-44 smartd[2687]: Device: /dev/sda, 60 Currently unreadable (pending) sectors

Jul 14 10:25:39 cl-44 smartd[2687]: Device: /dev/sda, 65 Offline uncorrectable sectors

Jul 14 10:55:39 cl-44 smartd[2687]: Device: /dev/sda, 60 Currently unreadable (pending) sectors

Jul 14 10:55:39 cl-44 smartd[2687]: Device: /dev/sda, 65 Offline uncorrectable sectors

Jul 14 11:25:39 cl-44 smartd[2687]: Device: /dev/sda, 60 Currently unreadable (pending) sectors

Jul 14 11:25:39 cl-44 smartd[2687]: Device: /dev/sda, 65 Offline uncorrectable sectors

Jul 14 11:55:39 cl-44 smartd[2687]: Device: /dev/sda, 60 Currently unreadable (pending) sectors

Jul 14 11:55:39 cl-44 smartd[2687]: Device: /dev/sda, 65 Offline uncorrectable sectors

Jul 14 12:25:39 cl-44 smartd[2687]: Device: /dev/sda, 60 Currently unreadable (pending) sectors

Jul 14 12:25:39 cl-44 smartd[2687]: Device: /dev/sda, 65 Offline uncorrectable sectors

Jul 14 12:55:39 cl-44 smartd[2687]: Device: /dev/sda, 60 Currently unreadable (pending) sectors

Jul 14 12:55:39 cl-44 smartd[2687]: Device: /dev/sda, 65 Offline uncorrectable sectors

Jul 14 13:25:39 cl-44 smartd[2687]: Device: /dev/sda, 60 Currently unreadable (pending) sectors

Jul 14 13:25:39 cl-44 smartd[2687]: Device: /dev/sda, 65 Offline uncorrectable sectors

Jul 14 13:55:39 cl-44 smartd[2687]: Device: /dev/sda, 60 Currently unreadable (pending) sectors

Jul 14 13:55:39 cl-44 smartd[2687]: Device: /dev/sda, 65 Offline uncorrectable sectors

Jul 14 14:25:39 cl-44 smartd[2687]: Device: /dev/sda, 60 Currently unreadable (pending) sectors

Jul 14 14:25:39 cl-44 smartd[2687]: Device: /dev/sda, 65 Offline uncorrectable sectors

Jul 14 14:55:40 cl-44 smartd[2687]: Device: /dev/sda, 60 Currently unreadable (pending) sectors

Jul 14 14:55:40 cl-44 smartd[2687]: Device: /dev/sda, 65 Offline uncorrectable sectors

Jul 14 15:25:39 cl-44 smartd[2687]: Device: /dev/sda, 60 Currently unreadable (pending) sectors

Jul 14 15:25:39 cl-44 smartd[2687]: Device: /dev/sda, 65 Offline uncorrectable sectors

Jul 14 15:55:39 cl-44 smartd[2687]: Device: /dev/sda, 60 Currently unreadable (pending) sectors

Jul 14 15:55:39 cl-44 smartd[2687]: Device: /dev/sda, 65 Offline uncorrectable sectors

Jul 14 16:25:39 cl-44 smartd[2687]: Device: /dev/sda, 60 Currently unreadable (pending) sectors

Jul 14 16:25:39 cl-44 smartd[2687]: Device: /dev/sda, 65 Offline uncorrectable sectors

Jul 14 16:55:39 cl-44 smartd[2687]: Device: /dev/sda, 63 Currently unreadable (pending) sectors

Jul 14 16:55:39 cl-44 smartd[2687]: Device: /dev/sda, 65 Offline uncorrectable sectors

Jul 14 17:25:39 cl-44 smartd[2687]: Device: /dev/sda, 90 Currently unreadable (pending) sectors

Jul 14 17:25:39 cl-44 smartd[2687]: Device: /dev/sda, 65 Offline uncorrectable sectors

Jul 14 17:55:39 cl-44 smartd[2687]: Device: /dev/sda, 90 Currently unreadable (pending) sectors

Jul 14 17:55:39 cl-44 smartd[2687]: Device: /dev/sda, 65 Offline uncorrectable sectors

Jul 14 18:25:39 cl-44 smartd[2687]: Device: /dev/sda, 90 Currently unreadable (pending) sectors

Jul 14 18:25:39 cl-44 smartd[2687]: Device: /dev/sda, 90 Offline uncorrectable sectors

Jul 14 18:55:39 cl-44 smartd[2687]: Device: /dev/sda, 90 Currently unreadable (pending) sectors

Jul 14 18:55:39 cl-44 smartd[2687]: Device: /dev/sda, 90 Offline uncorrectable sectors

Jul 14 19:25:39 cl-44 smartd[2687]: Device: /dev/sda, 90 Currently unreadable (pending) sectors

Jul 14 19:25:39 cl-44 smartd[2687]: Device: /dev/sda, 90 Offline uncorrectable sectors

Jul 14 19:55:40 cl-44 smartd[2687]: Device: /dev/sda, 90 Currently unreadable (pending) sectors

Jul 14 19:55:40 cl-44 smartd[2687]: Device: /dev/sda, 90 Offline uncorrectable sectors

Jul 14 20:25:39 cl-44 smartd[2687]: Device: /dev/sda, 90 Currently unreadable (pending) sectors

Jul 14 20:25:39 cl-44 smartd[2687]: Device: /dev/sda, 90 Offline uncorrectable sectors

from smarctl command:

smartctl -l error -d ata /dev/sda

smartctl version 5.36 [i686-redhat-linux-gnu] Copyright (C) 2002-6 Bruce Allen

Home page is http://smartmontools.sourceforge.net/

=== START OF READ SMART DATA SECTION ===

SMART Error Log Version: 1

ATA Error Count: 52 (device log contains only the most recent five errors)

CR = Command Register [HEX]

FR = Features Register [HEX]

SC = Sector Count Register [HEX]

SN = Sector Number Register [HEX]

CL = Cylinder Low Register [HEX]

CH = Cylinder High Register [HEX]

DH = Device/Head Register [HEX]

DC = Device Command Register [HEX]

ER = Error register [HEX]

ST = Status register [HEX]

Powered_Up_Time is measured from power on, and printed as

DDd+hh:mm:SS.sss where DD=days, hh=hours, mm=minutes,

SS=sec, and sss=millisec. It "wraps" after 49.710 days.

Error 52 occurred at disk power-on lifetime: 4015 hours (167 days + 7 hours)

When the command that caused the error occurred, the device was active or idle.

After command completion occurred, registers were:

ER ST SC SN CL CH DH

-- -- -- -- -- -- --

10 51 01 6e 43 f9 ed

Commands leading to the command that caused the error were:

CR FR SC SN CL CH DH DC Powered_Up_Time Command/Feature_Name

-- -- -- -- -- -- -- -- --------------- --------------------

37 00 01 6e 43 f9 ed 00   05:03:57.209 SET MAX ADDRESS EXT

27 00 00 6e 43 f9 e0 00   05:03:57.164 READ NATIVE MAX ADDRESS EXT

37 00 00 6e 43 f9 ed 00   05:03:57.164 SET MAX ADDRESS EXT

27 00 01 6e 43 f9 e0 00   05:03:57.164 READ NATIVE MAX ADDRESS EXT

37 00 01 6e 43 f9 ed 00   05:04:01.507 SET MAX ADDRESS EXT

Error 51 occurred at disk power-on lifetime: 4015 hours (167 days + 7 hours)

When the command that caused the error occurred, the device was
active or idle.

After command completion occurred, registers were:

ER ST SC SN CL CH DH

-- -- -- -- -- -- --

10 51 01 6e 43 f9 ed

Commands leading to the command that caused the error were:

CR FR SC SN CL CH DH DC Powered_Up_Time Command/Feature_Name

-- -- -- -- -- -- -- -- --------------- --------------------

37 00 01 6e 43 f9 ed 00   05:03:57.209 SET MAX ADDRESS EXT

27 00 00 6e 43 f9 e0 00   05:03:57.164 READ NATIVE MAX ADDRESS EXT

37 00 00 6e 43 f9 ed 00   05:03:57.164 SET MAX ADDRESS EXT

27 00 01 af 4b f9 e0 00   05:03:57.164 READ NATIVE MAX ADDRESS EXT

29 00 01 af 4b f9 e0 00 05:03:57.164 READ MULTIPLE EXT

Error 50 occurred at disk power-on lifetime: 4014 hours (167 days + 6 hours)

When the command that caused the error occurred, the device was active or idle.

After command completion occurred, registers were:

ER ST SC SN CL CH DH

-- -- -- -- -- -- --

10 51 01 6e 43 f9 ed

Commands leading to the command that caused the error were:

CR FR SC SN CL CH DH DC Powered_Up_Time Command/Feature_Name

-- -- -- -- -- -- -- -- ---------------- --------------------

37 00 01 6e 43 f9 ed 00 03:54:04.428 SET MAX ADDRESS EXT

27 00 00 6e 43 f9 e0 00 03:54:02.348 READ NATIVE MAX ADDRESS EXT

37 00 00 6e 43 f9 ed 00 03:54:02.288 SET MAX ADDRESS EXT

27 00 01 6e 43 f9 e0 00 03:54:02.072 READ NATIVE MAX ADDRESS EXT

37 00 01 6e 43 f9 ed 00 03:54:02.001 SET MAX ADDRESS EXT

Error 49 occurred at disk power-on lifetime: 4014 hours (167 days + 6 hours)

When the command that caused the error occurred, the device was active or idle.

After command completion occurred, registers were:

ER ST SC SN CL CH DH

-- -- -- -- -- -- --

10 51 01 6e 43 f9 ed

Commands leading to the command that caused the error were:

CR FR SC SN CL CH DH DC Powered_Up_Time Command/Feature_Name

-- -- -- -- -- -- -- -- ---------------- --------------------

37 00 01 6e 43 f9 ed 00 03:54:00.392 SET MAX ADDRESS EXT

27 00 00 6e 43 f9 e0 00 03:54:02.348 READ NATIVE MAX ADDRESS EXT

37 00 00 6e 43 f9 ed 00 03:54:02.288 SET MAX ADDRESS EXT

27 00 01 af 4b f9 e0 00 03:54:02.072 READ NATIVE MAX ADDRESS EXT

29 00 01 af 4b f9 e0 00 03:54:02.001 READ MULTIPLE EXT

Error 48 occurred at disk power-on lifetime: 4013 hours (167 days + 5 hours)

When the command that caused the error occurred, the device was active or idle.

After command completion occurred, registers were:

ER ST SC SN CL CH DH

-- -- -- -- -- -- --

10 51 01 6e 43 f9 ed

Commands leading to the command that caused the error were:

CR FR SC SN CL CH DH DC Powered_Up_Time Command/Feature_Name

-- -- -- -- -- -- -- -- ---------------- --------------------

37 00 01 6e 43 f9 ed 00 03:24:05.625 SET MAX ADDRESS EXT

27 00 00 6e 43 f9 e0 00 03:24:05.565 READ NATIVE MAX ADDRESS EXT

37 00 00 6e 43 f9 ed 00 03:24:05.349 SET MAX ADDRESS EXT

27 00 01 6e 43 f9 e0 00 03:24:05.278 READ NATIVE MAX ADDRESS EXT

37 00 01 6e 43 f9 ed 00 03:24:05.132 SET MAX ADDRESS EXT

i check on this.. http://bugzilla.kernel.org/show_bug.cgi?id=8650 it seems that it the same problem that i encounter.. how to solve this?

thanks
Best Regards,
Markus

Send instant messages to your online friends http://uk.messenger.yahoo.com