

## 2.6.24.3: regular sata drive resets – worrisome?

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  - *Date:* Thu, 20 Mar 2008 15:18:31 +0100
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Hi,

since I upgraded to 2.6.24.3 on one of my production systems, I see regular device resets like these:

```
Mar 20 14:33:03 lisa5 kernel: ata2.00: exception Emask 0x0 SAct 0x0 SErr 0x0 action 0x2 frozen
Mar 20 14:33:03 lisa5 kernel: ata2.00: cmd ea/00:00:00:00:00:00:00:00/a0 tag 0
Mar 20 14:33:03 lisa5 kernel: res 40/00:00:01:4f:c2/00:00:00:00/00 Emask 0x4 (timeout)
Mar 20 14:33:03 lisa5 kernel: ata2.00: status: { DRDY }
Mar 20 14:33:03 lisa5 kernel: ata2: hard resetting link
Mar 20 14:33:05 lisa5 kernel: ata2: SATA link up 3.0 Gbps (SStatus 123 SControl 0)
Mar 20 14:33:05 lisa5 kernel: ata2.00: configured for UDMA/100
Mar 20 14:33:05 lisa5 kernel: ata2: EH complete
Mar 20 14:33:05 lisa5 kernel: sd 2:0:0:0: [sdc] 488397168 512-byte hardware sectors (250059 MB)
Mar 20 14:33:05 lisa5 kernel: sd 2:0:0:0: [sdc] Write Protect is off
Mar 20 14:33:05 lisa5 kernel: sd 2:0:0:0: [sdc] Mode Sense: 00 3a 00 00
Mar 20 14:33:05 lisa5 kernel: sd 2:0:0:0: [sdc] Write cache: enabled, read cache: enabled, doesn't support
DPO or FUA
Mar 20 14:36:11 lisa5 kernel: ata3.00: exception Emask 0x0 SAct 0x0 SErr 0x0 action 0x2 frozen
Mar 20 14:36:11 lisa5 kernel: ata3.00: cmd ea/00:00:00:00:00:00:00:00/a0 tag 0
Mar 20 14:36:11 lisa5 kernel: res 40/00:00:01:4f:c2/00:00:00:00/00 Emask 0x4 (timeout)
Mar 20 14:36:11 lisa5 kernel: ata3.00: status: { DRDY }
Mar 20 14:36:11 lisa5 kernel: ata3: hard resetting link
Mar 20 14:36:13 lisa5 kernel: ata3: SATA link up 3.0 Gbps (SStatus 123 SControl 0)
Mar 20 14:36:13 lisa5 kernel: ata3.00: configured for UDMA/100
Mar 20 14:36:13 lisa5 kernel: ata3: EH complete
Mar 20 14:36:13 lisa5 kernel: sd 3:0:0:0: [sdd] 488397168 512-byte hardware sectors (250059 MB)
Mar 20 14:36:13 lisa5 kernel: sd 3:0:0:0: [sdd] Write Protect is off
Mar 20 14:36:13 lisa5 kernel: sd 3:0:0:0: [sdd] Mode Sense: 00 3a 00 00
Mar 20 14:36:13 lisa5 kernel: sd 3:0:0:0: [sdd] Write cache: enabled, read cache: enabled, doesn't support
DPO or FUA
```

Should I be worried? smartd doesn't show anything suspicious on those.

It's been 4 samsung drives at all hanging on a sata sil 3124:

```
29: PCI 202.0: 0104 RAID bus controller
[Created at pci.273]
Unique ID: LHB6.kPnnhej1LTC
```

### 2.6.24.3: regular sata drive resets – worrisome?

Parent ID: bSAa.qlvrYsPk2G3  
SysFS ID: /devices/pci0000:00/0000:00:0a.0/0000:02:02.0  
SysFS BusID: 0000:02:02.0  
Hardware Class: storage  
Model: "Silicon Image, Inc. (formerly CMD Technology Inc) SiI 3124 PCI-X Serial ATA Controller"  
Vendor: pci 0x1095 "Silicon Image, Inc. (formerly CMD Technology Inc)"  
Device: pci 0x3124 "SiI 3124 PCI-X Serial ATA Controller"  
SubVendor: pci 0x1095 "Silicon Image, Inc. (formerly CMD Technology Inc)"  
SubDevice: pci 0x7124  
Revision: 0x01  
Driver: "sata\_sil24"  
Memory Range: 0xfc9ffc00–0xfc9ffc7f (rw,non-prefetchable)  
Memory Range: 0xfc9f0000–0xfc9f7fff (rw,non-prefetchable)  
I/O Ports: 0xac00–0xac0f (rw)  
Memory Range: 0xfc900000–0xfc97ffff (ro,prefetchable,disabled)  
IRQ: 17 (20116954 events)  
Driver Info #0:  
Driver Status: sata\_sil24 is active  
Driver Activation Cmd: "modprobe sata\_sil24"  
Config Status: cfg=no, avail=yes, need=no, active=unknown  
Attached to: #15 (PCI bridge)

27: IDE 100.0: 10600 Disk  
[Created at block.188]  
Unique ID: DQI9.0o8IZwvZth7  
Parent ID: LHB6.kPnnhej1LTC  
SysFS ID: /block/sdb  
SysFS BusID: 1:0:0:0  
SysFS Device Link: /devices/pci0000:00/0000:00:0a.0/0000:02:02.0/host1/target1:0:0/1:0:0:0  
Hardware Class: disk  
Model: "SAMSUNG SP2504C"  
Vendor: "SAMSUNG"  
Device: "SP2504C"  
Revision: "VT10"  
Serial ID: "S09QJ1GYA03006"  
Driver: "sata\_sil24", "sd"  
Device File: /dev/sdb  
Device  
Files: /dev/sdb, /dev/disk/by-path/pci-0000:02:02.0-scsi-0:0:0:0,  
/dev/disk/by-id/1ATA\_SAMSUNG\_SP2504C\_S09QJ1GYA03006  
Device Number: block 8:16–8:31  
Geometry (Logical): CHS 30401/255/63  
Size: 488397168 sectors a 512 bytes  
Config Status: cfg=no, avail=yes, need=no, active=unknown  
Attached to: #20 (RAID bus controller)

28: IDE 200.0: 10600 Disk  
[Created at block.188]  
Unique ID: gbYD.jbwYSfXQ1s1  
Parent ID: LHB6.kPnnhej1LTC  
SysFS ID: /block/sdc

### 2.6.24.3: regular sata drive resets – worrisome?

SysFS BusID: 2:0:0:0  
SysFS Device Link: /devices/pci0000:00/0000:00:0a.0/0000:02:02.0/host2/target2:0:0/2:0:0:0  
Hardware Class: disk  
Model: "SAMSUNG SP2504C"  
Vendor: "SAMSUNG"  
Device: "SP2504C"  
Revision: "VT10"  
Serial ID: "S09QJ1GYA03003"  
Driver: "sata\_sil24", "sd"  
Device File: /dev/sdc  
Device  
Files: /dev/sdc, /dev/disk/by-path/pci-0000:02:02.0-scsi-1:0:0:0,  
/dev/disk/by-id/ATA\_SAMSUNG\_SP2504C\_S09QJ1GYA03003  
Device Number: block 8:32-8:47  
Geometry (Logical): CHS 30401/255/63  
Size: 488397168 sectors a 512 bytes  
Config Status: cfg=no, avail=yes, need=no, active=unknown  
Attached to: #20 (RAID bus controller)

29: IDE 300.0: 10600 Disk  
[Created at block.188]  
Unique ID: 8noH.C6Upa9vrTP5  
Parent ID: LHB6.kPnnhej1LTC  
SysFS ID: /block/sdd  
SysFS BusID: 3:0:0:0  
SysFS Device Link: /devices/pci0000:00/0000:00:0a.0/0000:02:02.0/host3/target3:0:0/3:0:0:0  
Hardware Class: disk  
Model: "SAMSUNG SP2504C"  
Vendor: "SAMSUNG"  
Device: "SP2504C"  
Revision: "VT10"  
Serial ID: "S09QJ1GYA02991"  
Driver: "sata\_sil24", "sd"  
Device File: /dev/sdd  
Device  
Files: /dev/sdd, /dev/disk/by-path/pci-0000:02:02.0-scsi-2:0:0:0,  
/dev/disk/by-id/ATA\_SAMSUNG\_SP2504C\_S09QJ1GYA02991  
Device Number: block 8:48-8:63  
Geometry (Logical): CHS 30401/255/63  
Size: 488397168 sectors a 512 bytes  
Config Status: cfg=no, avail=yes, need=no, active=unknown  
Attached to: #20 (RAID bus controller)

30: IDE 400.0: 10600 Disk  
[Created at block.188]  
Unique ID: by2M.RNPEDP68X7E  
Parent ID: LHB6.kPnnhej1LTC  
SysFS ID: /block/sde  
SysFS BusID: 4:0:0:0  
SysFS Device Link: /devices/pci0000:00/0000:00:0a.0/0000:02:02.0/host4/target4:0:0/4:0:0:0  
Hardware Class: disk

### 2.6.24.3: regular sata drive resets – worrisome?

Model: "SAMSUNG SP2504C"  
Vendor: "SAMSUNG"  
Device: "SP2504C"  
Revision: "VT10"  
Serial ID: "S09QJ1GYA02990"  
Driver: "sata\_sil24", "sd"  
Device File: /dev/sde  
Device  
Files: /dev/sde, /dev/disk/by-path/pci-0000:02:02.0-scsi-3:0:0:0,  
/dev/disk/by-id/1ATA\_SAMSUNG\_SP2504C\_S09QJ1GYA02990  
Device Number: block 8:64-8:79  
Geometry (Logical): CHS 30401/255/63  
Size: 488397168 sectors a 512 bytes  
Config Status: cfg=no, avail=yes, need=no, active=unknown  
Attached to: #20 (RAID bus controller)

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