

System won't shut down...

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From: /news_at_kri.st)

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Hello, I've got a server (kernel 2.6.9) that is in trouble. An external USB disk has throw an error. In order to get it into a good state I would like to reboot it, but it won't let me.

What I was doiung was untaring a file on an external USB disk. This tar at one moment just hung there, not doing anything.

dmesg shows lots of errors like

```
SCSI error : <1 0 0 0> return code = 0x6000000
end_request: I/O error, dev sda, sector 3150391
```

En then the following:

```
scsi: Device offlined – not ready after error recovery: host 1 channel 0
id 0 lun 0
```

```
sd 1:0:0:0: Illegal state transition cancel->offline
```

```
Badness in scsi_device_set_state at drivers/scsi/scsi_lib.c:1688
```

```
[<c0346346>] scsi_device_set_state+0x96/0xe0
```

```
[<c0344340>] scsi_eh_offline_sdevs+0x50/0x70
```

```
[<c0344741>] scsi_unjam_host+0xc1/0xd0
```

```
[<c03447ed>] scsi_error_handler+0x9d/0xc0
```

```
[<c0344750>] scsi_error_handler+0x0/0xc0
```

```
[<c0104295>] kernel_thread_helper+0x5/0x10
```

```
SCSI error : <1 0 0 0> return code = 0x70000
```

```
end_request: I/O error, dev sda, sector 3150439
```

```
-----[ cut here ]-----
```

```
kernel BUG at drivers/block/as-iosched.c:1852!
```

```
invalid operand: 0000 [#1]
```

```
PREEMPT
```

```
Modules linked in: vt1211 i2c_sensor i2c_isa ipt_TOS iptable_mangle
```

```
ipt_MASQUERADE iptable_nat ipt_REJECT ipt_ULOG ipt_state ip_contrack
```

```
ipt_LOG iptable_filter ip_tables via_rhine mii usb_storage ehci_hcd usbcore
```

```
CPU: 0
```

```
EIP: 0060:[<c031318f>] Not tainted VLI
```

```
EFLAGS: 00010297 (2.6.9-gentoo-r1)
```

```
EIP is at as_exit+0x5f/0x70
```

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```
eax: c6b02ed4 ebx: c6b02ec0 ecx: 00000000 edx: c8fc1e98
esi: c12af834 edi: 00000282 ebp: cdceceb4 esp: c8fc1ed8
ds: 007b es: 007b ss: 0068
Process scsi_eh_1 (pid: 23983, threadinfo=c8fc0000 task=cd59eaa0)
Stack: c12af7a8 c030a584 c12af7a8 c12af7b4 c030c4d6 c12af7a8 c1d03024
c1d03000
      c0347c66 c12af7a8 c1d031a8 c047d2f0 c047d320 cdceced8 c03066a4
c1d03184
      c02a96c7 c1d031a8 c1d031c0 c02a96d0 c1d03000 00000000 c02a99e5
c1d031a8
Call Trace:
 [<c030a584>] elevator_exit+0x14/0x20
 [<c030c4d6>] blk_cleanup_queue+0x26/0x70
 [<c0347c66>] scsi_device_dev_release+0xf6/0x110
 [<c03066a4>] device_release+0x14/0x50
 [<c02a96c7>] kobject_cleanup+0x67/0x70
 [<c02a96d0>] kobject_release+0x0/0x10
 [<c02a99e5>] kref_put+0x25/0x70
 [<c02a96f6>] kobject_put+0x16/0x20
 [<c02a96d0>] kobject_release+0x0/0x10
 [<c0341a12>] __scsi_iterate_devices+0x72/0x90
 [<c0343e8b>] scsi_eh_stu+0x8b/0xf0
 [<c03445b7>] scsi_eh_ready_devs+0x17/0x60
 [<c0344741>] scsi_unjam_host+0xc1/0xd0
 [<c03447ed>] scsi_error_handler+0x9d/0xc0
 [<c0344750>] scsi_error_handler+0x0/0xc0
 [<c0104295>] kernel_thread_helper+0x5/0x10
Code: 83 d8 00 00 00 50 e8 11 b2 ff ff 8b 43 38 50 e8 d8 ee e2 ff 83 c4
0c 89 5c 24 08 5b e9 cb ee e2 ff 0f 0b 3d 07 b2 bd 3f c0 eb cb <0f> 0b
3c 07 b2 bd 3f c0 eb b9 8d b4 26 00 00 00 00 55 57 56 53
```

Now the situation is that processes that were using the affected filesystem are hanging, and resist any attempt to be shut down. (They ignore a kill -9)

The rest of the system is unaffected. But as I want to get the system in a good state again I want to reboot.

But it won't.

shutdown -h now, or even a "reboot" only results in a message on the terminals, and the process adding itself to the list of hanging processes that refuse to be killed. I tried init 0 but that was ignored.

I'm about to powercycle this system, but is there anything else one can do in such a situation?

The weird thing is that the system is otherwise unaffected. Ok. the external USB disk is not there. I've got a hanging tar, a hanging bash, a hanging ls that all refuse to go away when kill -9 -ed. I have also a

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hanging reboot, a hanging shutdown. Init is ignored. But the mail and
www server are OK, and I can still log in using ssh...

What to do now?

Krist