

## 2.6.14.5: segfault / oops with ide-scsi

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*Source:* <http://linux.derkeiler.com/Mailing-Lists/Kernel/2005-12/msg08701.html>

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  - *Date:* Sun, 01 Jan 2006 08:44:30 +1100
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Hi there,

Got this, trying to mount CDROM on a troublesome box I've not had for long, Intel ICH 801 / 810 -- this with "hdc=ide-scsi":

```
root@niner:~# mount /dev/sr0 /mnt/cdrom/
mount: you must specify the filesystem type
root@niner:~# mount -t iso9660 /dev/sr0 /mnt/cdrom/
mount: /dev/sr0 is not a valid block device
root@niner:~# mount -t iso9660 /dev/sg0 /mnt/cdrom/
mount: /dev/sg0 is not a block device
root@niner:~# mount -t iso9660 /dev/hdc /mnt/cdrom/
Segmentation fault
```

Even if this be finger trouble, it should not oops?

```
Jan 1 08:29:15 niner kernel: ide-scsi is deprecated for cd burning! Use ide-cd and give dev=/dev/hdX as device
Jan 1 08:30:02 niner kernel: ide-scsi: unup command: dev hdc: flags = REQ_CMD REQ_STARTED
Jan 1 08:30:02 niner kernel: sector 64, nr/cnr 2/2
Jan 1 08:30:02 niner kernel: bio c9e095e0, biotail c9e095e0, buffer c7feb000, data 00000000, len 0
Jan 1 08:30:02 niner kernel: end_request: I/O error, dev hdc, sector 64
Jan 1 08:30:02 niner kernel: isofs_fill_super: bread failed, dev=hdc, iso_blknum=16, block=32
Jan 1 08:30:02 niner kernel: Unable to handle kernel NULL pointer dereference at virtual address 00000000
Jan 1 08:30:02 niner kernel: printing eip:
Jan 1 08:30:02 niner kernel: c01d9206
Jan 1 08:30:02 niner kernel: *pde = 00000000
Jan 1 08:30:02 niner kernel: Oops: 0000 [#1]
Jan 1 08:30:02 niner kernel: Modules linked in: isofs zlib_inflate ide_scsi e100 3c59x
Jan 1 08:30:02 niner kernel: CPU: 0
Jan 1 08:30:02 niner kernel: EIP: 0060:[<c01d9206>] Not tainted VLI
Jan 1 08:30:02 niner kernel: EFLAGS: 00010246 (2.6.14.5a)
Jan 1 08:30:02 niner kernel: EIP is at get_kobj_path_length+0x26/0x40
Jan 1 08:30:02 niner kernel: eax: 00000000 ebx: 00000000 ecx: ffffffff edx: c91a826c
Jan 1 08:30:02 niner kernel: esi: 00000001 edi: 00000000 ebp: ffffffff esp: c7f9fdcc
Jan 1 08:30:02 niner kernel: ds: 007b es: 007b ss: 0068
Jan 1 08:30:02 niner kernel: Process mount (pid: 547, threadinfo=c7f9f000 task=c8fe2090)
Jan 1 08:30:02 niner kernel: Stack: c117c520 c927c200 ffffffff c91a826c c01d929f c91a826c 00000282 c7f65e14
```

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```
Jan 1 08:30:02 niner kernel: 00000000 c117c520 c927c200 ffffffea 00000000 c01d9be8 c91a826c 000000d0
Jan 1 08:30:02 niner kernel: 00000020 00000064 fffffff4 c117c520 c927c200 ffffffea c7fd1000 c01d9cf8
Jan 1 08:30:02 niner kernel: Call Trace:
Jan 1 08:30:02 niner kernel: [<c01d929f>] kobject_get_path+0x1f/0x80
Jan 1 08:30:02 niner kernel: [<c01d9be8>] do_kobject_uevent+0x28/0x110
Jan 1 08:30:02 niner kernel: [<c01d9cf8>] kobject_uevent+0x28/0x30
Jan 1 08:30:02 niner kernel: [<c0158f0e>] bdev_uevent+0x2e/0x50
Jan 1 08:30:02 niner kernel: [<c01590a6>] kill_block_super+0x26/0x50
Jan 1 08:30:02 niner kernel: [<c01584a6>] deactivate_super+0x56/0x70
Jan 1 08:30:02 niner kernel: [<c0159051>] get_sb_bdev+0x121/0x150
Jan 1 08:30:02 niner kernel: [<c0168cd3>] dput+0x33/0x180
Jan 1 08:30:02 niner kernel: [<ca926fe0>] isofs_get_sb+0x30/0x40 [isofs]
Jan 1 08:30:02 niner kernel: [<ca925cd0>] isofs_fill_super+0x0/0x6e0 [isofs]
Jan 1 08:30:02 niner kernel: [<c015928f>] do_kern_mount+0x5f/0xe0
Jan 1 08:30:02 niner kernel: [<c016de6c>] do_new_mount+0x9c/0xe0
Jan 1 08:30:02 niner kernel: [<c016e457>] do_mount+0x157/0x1b0
Jan 1 08:30:02 niner kernel: [<c016e2a3>] copy_mount_options+0x63/0xc0
Jan 1 08:30:02 niner kernel: [<c016e84a>] sys_mount+0x9a/0xe0
Jan 1 08:30:02 niner kernel: [<c0102fd9>] syscall_call+0x7/0xb
Jan 1 08:30:02 niner kernel: Code: 90 8d 74 26 00 55 bd ff ff ff ff 57 56 be 01 00 00 00 53 8b 54 24 14 31 db
8d b6 00 00 00 00 8d bf 00 00 00 00 8b 3a 89 e9 89 d8 <f2> ae f7 d1 49 8b 52 24 8d 74 31 01 85 d2 75 ea 5b
89 f0 5e 5f
```

Box info" <http://bugsplatter.mine.nu/test/boxen/niner/>

Prior to adding the "hdc=ide-scsi" to lilo, the box is able to boot from cdrom, then cannot read the cdrom. Trying to mount it results in many of these in syslog:

```
Jan 1 08:14:12 niner kernel: hdc: attached ide-cdrom driver.
Jan 1 08:15:25 niner kernel: hdc: command error: status=0x51 { DriveReady SeekComplete Error }
Jan 1 08:15:25 niner kernel: hdc: command error: error=0x52
Jan 1 08:15:25 niner kernel: end_request: I/O error, dev 16:00 (hdc), sector 0
Jan 1 08:15:25 niner kernel: hdc: command error: status=0x51 { DriveReady SeekComplete Error }
Jan 1 08:15:25 niner kernel: hdc: command error: error=0x52
Jan 1 08:15:25 niner kernel: end_request: I/O error, dev 16:00 (hdc), sector 4
Jan 1 08:15:25 niner kernel: hdc: command error: status=0x51 { DriveReady SeekComplete Error }
Jan 1 08:15:25 niner kernel: hdc: command error: error=0x52
Jan 1 08:15:25 niner kernel: end_request: I/O error, dev 16:00 (hdc), sector 0
```

What next?

Thanks,  
Grant.

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  - ◆ [\*Thread\*](#)