

Re: [GIT PATCH] PCI patches for 2.6.15 – retry

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Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2006-01/msg04940.html>

- *From:* Jeff Garzik <jgarzik@xxxxxxxx>
 - *Date:* Thu, 12 Jan 2006 15:59:29 -0500
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Alan Cox wrote:

On Iau, 2006-01-12 at 16:55 +1300, Reuben Farrelly wrote:

```
ata1: SATA max UDMA/133 cmd 0x0 ctl 0x2 bmdma 0x0 irq 0
ata2: SATA max UDMA/133 cmd 0x0 ctl 0x2 bmdma 0x8 irq 0
Unable to handle kernel NULL pointer dereference at virtual address 00000000
```

That is the critical bit. The SATA ports have no PCI resources assigned for bus mastering (BAR 4). libata should have driven the device PIO in this case but the resource should have been assigned.

Agreed. This appears to be BIOS assigning bad values to SATA hardware.

However, libata should recognize this and not attempt to iomap or drive the hardware, in that case, rather than oops.

Jeff

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