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Subject: Re: [Q] ide cdrom in native mode leads to irq storm?

Posted by [vaverin](#) on Fri, 27 Oct 2006 13:17:34 GMT

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Vasily Averin wrote:

> Vasily Averin wrote:

>> there is node with Intel 7520-based motherboard (MSI-9136), IDE cdrom (hda) and

>> SATA disc and 2.6.19-rc3 linux kernel.

>>

>> When I set IDE controller into the native mode, I get irq storm on the node and

>> this interrupt is disabled. If this interrupt is shared, the other subsystems

>> are stop working too.

>>

>> When I switch the IDE controller into legacy mode, all works correctly.

I have reproduced the same issue on the another node:

ASUSTeK P5GD1-VM,

Intel 915G chipset,

ICH6 IDE controller,

IDE dvdrom: SONY DVD-ROM DDU1615 (hda),

sata disk: WDC WD1600JS-00M

when I switch IDE controller to the native mode, I see "Disabling IRQ" message,  
then kernel generates an oops in create\_empty\_buffers(), like I've reported earlier.

Could somebody please help me to troubleshoot this issue? I've seen this issue  
on the customer nodes and would like to know how I can work-around this issue  
without any changes inside motherboard BIOS.

thank you,

Vasily Averin

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