

Re: hda:lost interrupt!!!

Source: <http://linux.derkeiler.com/Mailing-Lists/Debian/2007-05/msg00078.html>

- *From:* Bob McGowan <bob_mcgowan@xxxxxxxxxxxxx>
 - *Date:* Tue, 01 May 2007 09:39:31 -0700
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Owen Heisler wrote:

On Mon, 2007-04-30 at 08:48 -0700, Andrew Sackville-West wrote:

On Mon, Apr 30, 2007 at 05:26:13PM +0530, shyam narayanan wrote:

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hi all,  
I had a perfect debian installation and as i boot up i am  
getting the  
error message  
hda:lost interrupt  
hda:DMA interrupt recovery  
hda:dma_timer_expiry:dma status == 0x24  
these three messages are coming in loop each taking some  
time :(  
mine is an intel pentium D processor and HDD is a 40gb  
seagate of  
model ST340810A
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I'd look for potential hardware failure of that hd.

Yeah, prepare for that drive to completely melt down soon, so you aren't taken by surprise if it actually does.

I had a system with a chipset fan that would die intermittently, allowing the chipset to overheat. By the time I figured out what was happening and got the fan replaced, the chipset had been damaged. I got DMA errors (like yours) a lot on the second IDE controller. Other than that, I didn't have any problems.

I would suggest also doing some tests (memtest86) and disabling DMA on that drive.

Also, perhaps a bad cable could cause that...? Unlikely I suppose.

I've had 'lost interrupt' problems on a couple of machines, but not related to hard disks (at least for the second system).

Re: hda:lost interrupt!!!

I recently purchased an HP AMD64 laptop, planning to install Debian's 64 bit version. During install, all was OK, but on booting the new system I got intermittent hangs. Googling came up with several possible workarounds. The one that works, in my case, is to boot with the kernel option 'noapic' ;(

Now, I get errors about IRQ 7, nobody cared, and the system disables it. According to KDE info center, int7 is related to the USB ehci controller. This disabling happens whether or not there's anything connected to the USB ports.

Since the system doesn't stay up for long if booted without that option, I cannot determine if this IRQ would get disabled in any case, or if it's because of the option.

In any case, it would seem to me that possible bugs in the relevant kernel drivers or IRQ routines could contribute, as well as buggy or otherwise broken APIC chips.

It would be nice to know if there are any diagnostic tools that could be used to help isolate the problem. I don't know much about memtest86, but the name would imply it may not be helpful in this case.

Bob

Attachment: smime.p7s

Description: S/MIME Cryptographic Signature