

Re: Major BSOD, unsure of cause, possibly Intel SATA Controller Driver? Please help!

Source:

<http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.general/2004-10/20207.html>

From: PA Bear (PABear_at_mvps.org)

Date: 10/20/04

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The problem appears to be MS04-032 (840987).

>From elsewhere:

>> *If you find the file IntelATA.sys in the WinNT\System32\Drivers folder,
>> [boot into Safe Mode,]...go to Add/Remove
>> Programs, and uninstall the Intel Ultra ATA Storage Driver.*

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~Robear Dyer (PA Bear)

MS MVP-Windows (IE/OE), AH-VSOP

WinXP SP2: What's New for Internet Explorer and Outlook Express

<http://www.microsoft.com/windowsxp/sp2/ieoeoverview.msp>

What You Should Know About Spyware

<http://www.microsoft.com/athome/security/spyware/default.msp>

There is no 'silver bullet' solution to hijackware

<http://go.microsoft.com/fwlink/?LinkId=33131>

GamEmpire wrote:

> Hi All,

>

> Bear with me, had this post go missing as I clicked submit before, so
> retying it to the best of my ability.

>

> Up until last friday, my Shuttle SB75G2 was running fine.

>

> Specs were:

>

> 3.0C Pentium 4

> 1024mb Corsair PC3200 XMS

> SB75G2 will SFF Motherboard

> (http://us.shuttle.com/specs2.asp?pro_id=388)

> Built by ATI Radeon x800 Pro

> NEC 3500A DVD+RW/-RW

> 2x 200gb Seagate 7200.7 SATA Drives in a RAID 1 Configuration

>

> The SB75G2 is an 875 based motherboard. My issue last friday was a
> trojan and a worm slipped onto my computer through our campus network,
> and had a field day wiping things off my computer. I was running
> Norton IS 2004, but...well...norton is crap and doesn't protect very
> well. I backup regularly to Dual Layer DVD's, and also have a spare
> Seagate 200gb 7200.7 to backup too, so I figured it was time for a
> clean format anyway.

>
> Rather than reset to RAID 1, I just decided to have 400gb of Hard
> Drive space. I went into my system's bios, and set the SATA to
> combined mode, meaning it would take on the characteristics of an IDE
> drive, thereby not needing the Intel SATA RAID Drivers. The first few
> installs, I was having issues and it was BSODing towards the end of
> setup (I use a slipstreamed WinXP Pro with SP2 installation disc which
> has worked numerous times in the past for other computers). I finally
> got the Seagate Drive Setup program, and partitioned the boot drive
> and other drive into 100gb partitions, which fixed any possible issue
> with the 137gb barrier. It should have worked without needing to
> partition into 4 parts with a Slipstreamed Copy of XP2, but I figured
> I could always use partition magic to merge them later.
>
> Finally got it installed, picked up NIS 2005 online on my other
> computer, and installed it before connecting it to the net. Hooked
> onto net, and installed updates.
>
> I then proceeded to gather my 4 main backup discs to start moving
> files over to the drive. After several BSOD's of DRIVER_IRQL_NOT_LESS
> OR_EQUAL
>
> STOP Error code 100000d1, parameter1 00000002, parameter2 000000ff,
> parameter3 00000001, parameter4 824dd15f
>
> I finally booted into safe mode to transfer the files. Safe mode
> worked fine.
>
> I continue to get BSOD's whenever I transfer large amounts of files or
> try installing something like World of Warcraft while in normal
> windows. It is the same one, over and over and over.
>
> Currently, in the Device Manager, the following is listed under IDE
> ATA/ATAPI Controllers
>
> Intel 82801EB Ultra ATA Storage Controllers
> Primary IDE Channel
> Secondary IDE Channel
>
> The only other error code I'm getting in a BSOD, which has only
> happened twice, is a PAGE_FAULT_IN_NON_PAGED_AREA.
>
> Error code 1000007f, parameter1 0000000d, parameter2 00000000,
> parameter3 00000000, parameter4 00000000.
>
> That prompted me to run memtest86, and after 2 hours it found no
> errors. I swapped out the memory for my brother's 2x 256 Corsair XMS
> PC3200 from his AMD64 box, ran memtest again, and didn't find any
> issues.
>
> My understanding of how the BIOS gets the SATA to run is that it
> spoofs it as a Third and Fourth IDE Channel for each SATA Device
> added. It doesn't do this if it is in RAID Mode however. I have tried
> to update the intel chipset drivers from those that were on my CD to
> those on the manufacturer's website to those on Intel's site. None
> work. I figured I would try installing IAA to get a SATA driver from
> that, but because it didn't detect a RAID Controller, it refused to
> install. And Seagate doesn't make any drivers for their SATA Drives.
>
> I uninstalled and let windows reinstall all the IDE Controllers after
> a restart, to no avail. All that happened was I lost one Intel 82801EB
> Ultra ATA Storage Controllers listed. I've tried updating the drivers

microsoft.public.windowsxp.general: Re: Major BSOD, unsure of cause, possibly Intel SATA Controller Driver? Please h

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> in Device Manager for the Intel 82801EB Ultra ATA Storage Controller,  
> and it gave me three options, and I've only chosen the first two,  
> neither which has worked.  
>  
> Intel 82801EB Ultra ATA Storage Controllers  
> Intel 82801EB Ultra ATA Storage Controllers - 24D1  
> Standard DUal Channel PCI IDE Controller  
>  
>  
> Any help any of you all could give would be GREATLY appreciated. If  
> all else fails, I can try going back to RAID 1, but because I now have  
> the Dual Layer drive, I don't really require that kind of data  
> security any longer. I have to get to bed, as I have class in about 6  
> hours. Thanks very much all!!  
>  
> I just honestly can't determine which Driver is causing all these  
> crashes....
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