

## Re: WRITE command timeout

**Source:** <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/stable/2003-12/0177.html>

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**Date:** 12/22/03

Date: Sun, 21 Dec 2003 23:25:23 -0500

To: "Oivind H. Danielsen" <[oivind.danielsen@kopek.net](mailto:oivind.danielsen@kopek.net)>

Oivind H. Danielsen wrote:

> *Hello.*  
>  
> *We have been running FreeBSD 4.6-5.1 systems for 1.5 years and are being*  
> *plagued by these:*  
>  
> *Dec 18 15:15:39 <> /kernel: ad0: WRITE command timeout tag=0 serv=0 -*  
> *resetting*  
> *Dec 19 15:03:23 <> /kernel: ad0: READ command timeout tag=0 serv=0 -*  
> *resetting*  
>  
>  
> *In our rack we have 34 identical drives (IBM IC35L080AVVA07).*  
>  
> *24 drives on Windows 2000 : no problems.*  
> *4 drives on Linux 2.4.x : no problems.*  
>  
> *2 drives on RELENG\_4\_8*  
> *(VIA 82C686, VIA C3) : no problems*  
>  
> *4 drives on RELENG\_4\_8*  
> *(nVIDIA nForce, XP 2000+) : r/w timeouts, fs corruption.*  
>  
> *(1 drive/system, 6 FreeBSD boxes)*  
>  
> *The good systems have been running the 1.5 years without a hitch. The*  
> *four identical RELENG\_4\_8 systems have all had corrupted filesystems (at*  
> *least once every two months).*  
>  
>  
> *We have tried the following:*  
>  
> *- Changed ATA100 cables (3 diff. types, all 80-wire)*  
> *- Disabled DMA (use PIO4) (hw.ata.ata\_dma="0" in loader.conf)*  
> *- Disabled DMA in BIOS setup*  
> *- Changed motherboard (MSI MS6734, VIA KM400, vt8235 ATA)*

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- > - *Changed power supply (added 100W)*
- > - *RELENG\_5\_1.*
- >
- > *None of these changes has helped. The only change seen when disabling*
- > *DMA is additional messages: "timeout waiting for DRQ - resetting".*

It sounds like that particular drive is on the way out. Have you tried running IBM/HGST's "Drive Fitness Tools" disk on it? (It's a DOS program, but it comes on a self-booting diskette image that you can also burn to a bootable CD if you like.) That program should be able to detect any problems, and let you know if you need to send the drive back.

-lee

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freebsd-stable@freebsd.org mailing list

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