

Re: ad8: TIMEOUT – WRITE_DMA errors UFS 7.0–RC1

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/stable/2008-03/msg00300.html>

- *From:* Jeremy Chadwick <koitsu@xxxxxxxxxxxx>
 - *Date:* Sat, 8 Mar 2008 18:49:32 –0800
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On Sun, Mar 09, 2008 at 12:50:49AM +0100, Eilko Bos wrote:

From the keyboard of Michael Haro, written on Sun, Jan 27, 2008 at 12:01:03AM –0800:

Can anyone else using 7.0 who hasn't already (especially those using ZFS) check his/her /var/log/messages for disk TIMEOUTs or other disk error messages? If this is widespread, I think the chances re slim that it is a hardware problem in every case.

I've had this problem with Hitachi sata drives using a promise sata controller.

I am using 2 160Gb Maxtor disks in geom_mirror. With 6.3 it runs fine. I upgraded to 7.0–RELEASE and after install problems started. Disk TIMEOUTs froze the box as soon as I initiated a lot of disk activity (e.g. make buildworld of building a kernel).

I 'downgraded' the box to 6.3 again (had to rebuild the mirror because it was touched by a newer gmirror) and now the problems have gone again. I have the strong impression it is not hardware bot rather 7.0–RELEASE related. Actually I want to get rid of the box at home (want to carry it to a datacenter) but if it can be helpfull I am willing to have it for another week or two at home to upgrade/downgrade/etc. with it.

You should consider posting the SMART stats for both /dev/ad0 and /dev/ad1 (because you didn't disclose which disk is showing problems; I assume ad0 though). You can get these by installing ports/sysutils/smartmontools and using "smartctl –a ad0" (same for ad1).

This can help narrow down the problem. Confirming it's *not* a disk issue is helpful.

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More importantly: if the problem is easily reproducible for you under RELENG_7, you should contact Scott Long, who has offered to help track this problem down.

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