

RE: another hard disk broken or xfs problems?

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2004-02/6756.html>

From: Michael Joy (*mdj00b_at_acu.edu*)

Date: 02/26/04

To: "'Nathan Scott'" <nathans@sgi.com>, "'Nico Schottelius'" <nico-kernel@schottelius.org>, "'Lin
Date: Wed, 25 Feb 2004 17:10:59 -0600

One thing I've run into recently is that Hitachi drives come from the factory with bad sectors out of the box. If you run a full format on the drive checking for bad sectors the first time you use the drive, it will occasionally find an error, the format will die, and the next time you format nothing will be found.

It's a symptom of Hitachi not properly QC'ing their drives by fully formatting them several times. The problem can reoccur over the first few days until the drive finds all the questionable bad sectors and reallocates backup sectors to cover for it.

This is OS independent as NTFS has serious issues with this :)

I hope this helps.

Michael

-----Original Message-----

From: linux-kernel-owner@vger.kernel.org
[mailto:linux-kernel-owner@vger.kernel.org] On Behalf Of Nathan Scott
Sent: Wednesday, February 25, 2004 4:34 PM
To: Nico Schottelius; Linux Kernel Mailing List
Subject: Re: another hard disk broken or xfs problems?

On Wed, Feb 25, 2004 at 11:00:51PM +0100, Nico Schottelius wrote:

> *Hello!*
>
> *I am now using a brand new 40GB Hitachi hard disk for my notebook and*
> *today I got the first problems:*
>
>
> *Starting XFS recovery on filesystem: hda3 (dev: hda3)*
> *Ending XFS recovery on filesystem: hda3 (dev: hda3)*
> *VFS: Mounted root (xfs filesystem) readonly.*
> *Mounted devfs on /dev*
> *Freeing unused kernel memory: 156k freed*
> *XFS mounting filesystem hda1*

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```
> Starting XFS recovery on filesystem: hda1 (dev: hda1)
> Ending XFS recovery on filesystem: hda1 (dev: hda1)
> XFS mounting filesystem loop0
> Starting XFS recovery on filesystem: loop0 (dev: loop0)
> XFS internal error XFS_WANT_CORRUPTED_GOTO at line 1589 of file
fs/xfs/xfs_alloc.c. Caller 0xc0198272
> Call Trace: [
```

Filesystem recovery doesn't run after a clean shutdown...
the "Starting/Ending XFS recovery" messages indicate that
all of your filesystems were not unmounted by the look of
it.

Probably file data for the file backing your loopback device
has been lost/corrupted due to what looks like an "abrupt" end
before reboot (only metadata is journalled), and hence trying
to recover the loop device is going horribly wrong.

So, doesn't look like a hard disk error to me, and nor does it
look like an XFS problem. You should be able to run `xfs_repair`
on your loopback file to fix the problem.

cheers.

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Nathan

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