

Re: Truncating badly linked attribute records? (long but quite detailed)

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<http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.hardware/2005-02/3344.html>

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Date: 02/25/05

Date: Fri, 25 Feb 2005 17:52:11 -0500

Dude, the physical drive platters themselves are giving up the "ghost" or put plainly, no longer able to hold its 1 state, as computers write everything as a series of 0's and 1's, 0 is off, and 1 is on. Chuck it, since you got a new one, or if you think it has some type of warranty left, complete to the manufacturer.

--

Star Fleet Admiral Q @ your service!

"Google is your Friend!"

www.google.com

"Tech dude" <electrik_1@yahoo.com> wrote in message

news:#oeGJd4GFHA.2452@TK2MSFTNGP10.phx.gbl...

> Hey everyone,

>

> I've been having some problems with an external hard drive.

>

> It's an external drive, connected over Firewire. I have an adaptec FireWire

> 4300 controller. The enclosure is running an Oxford 911 chipset. It's the only FireWire device I have, and the cable is a shielded cable, no more than

> 6' long.

>

> My OS is WinXP SP2 Pro. My system is an AMD 2200+ with 768 MB of RAM.

>

> On this drive (f:\), I have several folders, including a folder (f:\burned MP3), which has sub folders (CD1, CD2, ..all the way to CD7).

>

> Every few days, I get a warning icon in my system tray about an NTFS errors.

> There was an error reading a folder on f:\burned mp3\ and it's on the the folders there, but which folder changes (some days it's "CD1" some days it's "CD2" , etc...)

>

> I can see most of the folders on my hard drive, except for subfolders of one folder.

>

> I do a chkdsk /f/r and it fixes the errors, but stating "Truncating badly linked attribute records" with a number that is never the same.

>

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> After that, my files come back.
>
> Then a few days later, the errors happen again, but always the same
> subfolders within a common folder (f:\burned mp3\cd1, cd2, cd3, etc).
>
> I have other folders in the root of that drive and I have no errors with
> those at all, only in f:\Burned MP3\
>
> So I took the drive out of the enclosure and ran Maxtors PowerMax extended
> tests on it..no errors on the disk or with the controller on the disk.
>
> I copied all the data to another drive, formatted that one and copied the
> data back...the errors come back
>
> I tried a new Firewire cable..the errors still come back
>
> I updated the firmware in the enclosure..the errors still come back.
>
> Did a full virusscan and spyware scan..nothing found.
>
> I applied this patch from Microsoft
> (<http://support.microsoft.com/kb/885222>)
> ..the errors still came back
>
> Since it's a removable drive, I tried making adjustments to whether or not
> disk caching is enabled (in the device manager) and that made no
> difference.
>
> I Googled the error and one entry said it could be bad RAM, so I borrowed
> a
> copy of Microscope from work
> (http://www.micro2000.com/microscope_suite/index.php) and ran hardware
> diags
> on my PC for 12 hours...no hardware errors to be found.
>
> I replaced the IDE cable in the external enclosure...the errors still came
> back.
>
> At this point, I am quickly running out of possibilities as to what the
> problem may be. The Firewire card and enclosure have run flawlessly for
> over
> a year, so while it's possible that there is an issue with them, I'd be
> VERY
> suprised.
>
> I've included the chkdsk output, and the entries from the event log.
>
> Does anyone have any ideas as to what I should do? I've also posted this
> to
> microsoft.public.windowsxp.general
>
> Thanks
>
>
> The output of chkdsk is:
>
> CHKDSK is verifying files (stage 1 of 5)...
> Truncating badly linked attribute records
> from file record segment 693.
> Truncating badly linked attribute records
> from file record segment 22899.
> Truncating badly linked attribute records

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> from file record segment 39347.
> File verification completed.
> CHKDSK is verifying indexes (stage 2 of 5)...
> Index verification completed.
> CHKDSK is verifying security descriptors (stage 3 of 5)...
> Security descriptor verification completed.
> CHKDSK is verifying file data (stage 4 of 5)...
> File data verification completed.
> CHKDSK is verifying free space (stage 5 of 5)...
> Free space verification is complete.
> Windows has made corrections to the file system.
>
> 60042905 KB total disk space.
> 31972800 KB in 39068 files.
> 15712 KB in 3910 indexes.
> 0 KB in bad sectors.
> 110805 KB in use by the system.
> 65536 KB occupied by the log file.
> 27943588 KB available on disk.
>
> 4096 bytes in each allocation unit.
> 15010726 total allocation units on disk.
> 6985897 allocation units available on disk.
>
>
> The Event log (System) states:
>
> Event Type: Error
> Event Source: Ntfs
> Event Category: Disk
> Event ID: 55
> Date: 2/25/2005
> Time: 4:26:58 PM
> User: N/A
> Computer: MYPC
> Description:
> The file system structure on the disk is corrupt and unusable. Please run
> the chkdsk utility on the volume F:.
>
> For more information, see Help and Support Center at
> http://go.microsoft.com/fwlink/events.asp.
> Data:
> 0000: 00 00 00 00 02 00 4e 00 .....N.
> 0008: 02 00 00 00 37 00 04 c0 ....7..Ã
> 0010: 00 00 00 00 32 00 00 c0 ....2..Ã
> 0018: 18 00 00 00 00 00 00 00 .....
> 0020: 00 00 00 00 00 00 00 00 .....
>
>
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