

Re: Data corruption when transferring across network?

Source:

<http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.general/2005-08/msg11757.html>

- *From:* ByTor <ByTor@xxxxxxxxxxxx>
 - *Date:* Sat, 20 Aug 2005 17:20:08 -0400
-

In article <gn4fg1lftiejfh7l965ndvdfiosjfdhdvg@xxxxxxxx>, cquirkenews@xxxxxxxxxxxxxxxx, cquirke (MVP Windows shell/user) says...

> On Sat, 20 Aug 2005 09:48:05 -0400, ByTor <ByTor@xxxxxxxxxxxx> wrote:
> > cquirkenews@xxxxxxxxxxxxxxxx, cquirke (MVP Windows shell/user) says...
> > > On Thu, 18 Aug 2005 10:10:15 -0400, ByTor wrote:
> >
> > > I have 6 computers networked in my home, no domain just plain ole'
> > > sharing basically.....
> >
> > > I'm using a 4-port router uplinked to a 8-port workstation.....
> >
> > > Bottom line, no matter if they are connected to either devices one
> > > particular machine receives transferred data corrupted.....It appears to
> > > only happen with larger files.....I've yet to actually isolate at what
> > > size the file is when it corrupts but I can say this, I transfer 350mb
> > > ea. avi files and all are corrupted on the receiving end, maybe a few
> > > blocks short to repair. Smaller files appear to be no problem.....A
> > > few smaller exe installs though were corrupted a few times but were
> > > easily repaired from the original.
> >
> > > I'd be thinking in terms of Ethernet rules, such as maximum cable
> > > lengths or number of connections between systems, etc. A too-long
> > > (either length, or hops) linkage might cause propagation delays to the
> > > point that Ethernet collision detection may fail - i.e. the test for
> > > this sees no collision, data transmit begins, but meantime something
> > > else "too far away" has also started transmission.
> >
> > > Strange how my other 3 OS's on the same machine receive data
> > > perfectly...Thank you for taking the time to suggest an issue, I will
> > > further research what you are pointing out.....Thank You.
> >
> > If the same hardware gives different results with different OSs, then
> > one of a few issues suggest themselves...
> > - flaky drivers for that particular OS
> > - hardware is "driven harder" within that particular OS
> > - that particular OS is infected

Re: Data corruption when transferring across network?

> – the loading differs with the test (e.g. testing with fewer PCs)

As far as this particular Win2K install, yes, it is definitely driven harder than the remaining 3 OS's.....More installs, etc.

I have 4 OS's on one drive.....Win2K–WinXP–WinXP–Win2K....All in that order on all hidden primary partitions using a boot manager.....The first Win2K is the problematic one.....The remaining three accept transfers perfectly.....Maybe a particular software I'm using? That would be hard to isolate.

All drivers are the same in the case of the 2K's.....The XP's were a little stupid with a few but not a major issue.

>

> The problem may also not be within the networking kit, e.g. if a
> motherboard's hardware is corrupting IDE traffic, etc. I recall there
> was an issue with some VIA chipsets corrupting the tail end of bulk
> IDE transfers, and there can also be load-sensitive issues related to
> things like failing mobo caps.

This particular board is a ASUS A7V8X–LA with VIA KM400A Chipset....It's a Hewlett Packard A720n.....Still interesting though how the other 3 OS's are perfect.....but ya may be on to something. ;0)

>

> Also, check that the LAN cables aren't running next to noisy mains
> leads etc. though that I would expect to affect all OSs equally.

Agreed.....Really nothing majorly disruptive near the cable/s....Most cable lines are also very short....One in question is only 3ft from the router.

>

>>> If it were only .EXE that were affected, I'd suspect a generic code
>>> infector such as CIH that's invalidating contents of self-extractors.

>

>>Possible.....Thanks again.

>

> I wouldn't expect a code infector corrupt big .AVI files, though.

Makes sense.....

>

> Are all the PCs the same hardware?
> Are they stable otherwise, e.g. on local HD–to–HD or CD–to–HD copies?

No to first.....Some vary drastically but all NIC cards are 10/100's.
Way yes to second.....I don't fool around... He, He... ;0)

> What motherboard chipsets?
> Is it a hub, switch or router?
> Does it help to take some PCs off the LAN at the hub/switch/router?

Re: Data corruption when transferring across network?

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- > (I see you say "4-port router", but what is "8-port workstation"?)
- >
- > Switches isolate packet traffic to just the lines that are relevant,
- > e.g. if PC1 talks to PC6, the traffic is only on lines 1 and 6. I
- > presume routers do the same thing for internal traffic.
- >
- > In contrast, hubs just tie everything together, so that if PC1 talks
- > to PC6, the packet traffic is on all lines 1 – 8.

I have a Linksys BEFSR41 Router(brand new) and a Linksys EZXS88W 10/100 8-port Workgroup Switch.....My main machine here & the HP are connected to the router ports 1 & 2.....port 4 is the uplink port to my workstation to feed the remaining 4 machines.....

I've tried switching/removing/replacing wires in various different configurations to no avail(and removing some puters to answer above question).....Still boils down to the same issue....I even connected all machines to the 8-port and still same corruption on said OS..... I mean I can do a clean install and I'm sure it won't happen, but than again it may and I'll just delay the inevitable with a clean install.....My main machine is an ASUS A7M266 AMD761 chipset and had quadruple the amount of software & hardware on it and it never gave me this kind of issue.....I wonder if it's as simple as increasing a number in the registry as I have had an issue once long while back with IRPStackSize being to low and giving a tranfer error, but I made sure the numbers match a non-problematic machine.....

Hey, BTW, thanks for taking the time with me on this I really appreciate it.....Amazing that I've tackled much heavier issues than this and can't yet figure this one.....

Thanks again.....

• **Follow-Ups:**

- ◆ **Re: Data corruption when transferring across network?**
◇ From: cquirke (MVP Windows shell/user)

• **References:**

- ◆ **Data corruption when transferring across network?**
◇ From: ByTor
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Re: Data corruption when transferring across network?

- Next by Date: [***Re: Creat bootable CD/DVD***](#)
- Previous by thread: [***Re: Data corruption when transferring across network?***](#)
- Next by thread: [***Re: Data corruption when transferring across network?***](#)
- Index(es):
 - ◆ [***Date***](#)
 - ◆ [***Thread***](#)