

# Re: LAN Performance Not Up to Expectations

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*Source:*

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.sbs/2008-04/msg03644.html>

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- *From:* "Russ \((SBITS.Biz)\)" <[support@xxxxxxxxxxxxxxxxxxxxxxxx](mailto:support@xxxxxxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Mon, 28 Apr 2008 00:55:44 -0700
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Well just having a P4 1.8Ghz isn't a killer machine and you didn't say if you had a hardware RAID in it or a Software RAID? or any RAID?

Using a P4 as a server I'd put the server as a 1 NIC configuration so all the Net isn't going through it..

You say 43MB/sec is poor  
What do you expect?

And any reason a External USB drive will not work for your Solution?  
200bucks and you have two of them now days  
One onsite one offsite.

Russ

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MAC HACKED in 2 mins

<http://www.computerworld.com/action/article.do?command=viewArticleBasic&articleId=9072959>

The Andromeda Strain May 5th 2008

Videos: <http://www.aetv.com/the-andromeda-strain/videos.html>

"Bilbo fake email hal-pc.org" <wlp<fauxatdot> wrote in message  
[news:16la1452u7g3qrai2gr99rkaotebvmhnr@xxxxxxxxxxx](mailto:news:16la1452u7g3qrai2gr99rkaotebvmhnr@xxxxxxxxxxx)

A small SBS2K3 with latest service packs. Server runs a 1.8 GHz Pentium 4 with 3 GB PC3200 DDR RAM on an Intel D865GBF Mobo. Server has two NICs. The LAN NIC is an Intel Pro/1000 GT Desktop Adapter. The server is running 3.0 GB SATA Hard Drives and the LAN was mostly quiescent during the test.

One domain client and three peer clients (who merely use the routing services of the server). All but one client has Intel Pro/1000 GT Desktop adapter, the other having USR Gigabit Ethernet PCI Adapter.

The LAN infrastructure is CAT-6 with a HP ProCurve 1800-8G Switch. All these connections are reported by the switch as running at nominal

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Gigabit speeds. No cable run exceeds 75 feet.

I was running NTBACKUP on the SBS server with backup target on one of the peer client PCs as an experiment into the likely performance of a NAS unit of some kind. I feel that the client PC was effectively a NAS device during this run. It is a DELL Dimension 4700 with 3 GHz Pentium 4, 4 GB PC2-3200 DDR2 RAM, and the USR NIC running WinXP SP2.

The only obvious bottleneck I can think of is the fact that the server is running Trend Micro's Client/Server Messaging Security for SMB (v3.6). The Client Anti-Virus was disabled for this test. It seems to me that this rig should have really performed pretty well.

The network utilization viewed from the server and the target client was only between 5 and 6 %. The size of the backup was about 108 GB on disk and the backup took around five to hours forty-five minutes.

I reckon the net throughput to have been about 43 Mb/sec. Now, allowing for all kinds of overheads and the like, this seems to be pretty pitiful backup performance. There were NO events logged indicating any network problems on either end of the test.

Does anyone have any insights to offer? How does one go about troubleshooting this kind of issue?

Thanks,

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BilBo