

RE: Network – problems with outgoing data.

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.sbs/2006-02/msg00812.html>

- *From:* Gabriel C. Stan <GabrielCStan@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
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Go to <http://www.dslreports.com> and run the bandwidth meter of your choice, compare with the speeds you supposed to get and compare. I suggest to this off hours so traffic from internal network and external network (backbone) is not a factor or at least has very little influence. My favorite speed test engine is <http://nyc.speakeasy.net>, but you get the idea.

Since the traffic it is not routed through your SBS it is doubtful that SBS has anything to say about it, you have what it is called a "flat" network (all devices on the same level).

If the bandwidth test comes up o.k. during off hours, try it during daytime (office hours) and compare, after that I would look at how the data routes beyond your network (I assume that your D-Link is the default route, gateway, and most likely the only route in your environment).

Bouncing data around your local network will never do anything, for security or otherwise, so make sure you have RIP off on all devices (router, servers, etc.)

This appears to be hardly an SBS issue unless you have left something out.

After all are done, or at least checked, take a look what type of apps you are running, if you run any P2P, that is your most likely cause and if you really, really, really need it then choose something that is native to Windows (non-java) and it is open source. Sorry I cannot actually name it here, since I cannot emphasize how bad it is to run P2P in an office environment, if you really have to put it in front of the router as DMZ.

Also take a look at your

Anti-(all-the-bad-things-that-make-your-computer-slow) and make sure that they are up to date and clean. There are plenty of worms or viruses designed for DOS (denial of service) and they attack various sites (Microsoft often the primary target), they will eat your bandwidth in a second. Best defense on that is not to use DMZ for any of your server, only the ports that you really need gets to be open and the best tool for that is the CEIW.

Since your D-Link gets to route everything on your network you will not be able to see what really eats your bandwidth, or what ports are open and where they are open to / from (one more reason why I like ISA or at least the SBS to do the job of routing), so you may want to consider engaging your ISP for assistance, some of them can generate reports on traffic (what ports or where, etc)

To summarize: check bandwidth, check topology, check for crawlers, check if

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SBS is really a factor.
Good Luck!

PS: This post was tailored for the question at hand, but it was a bit general as well so it can be used by others with similar problems.

"MijakiDK" wrote:

Hi,

This might not be for the SBS site but here goes.

I run a small network with 1 SBS 2003 server and 1 W2K3 server, both acting as DNS with proper forwarders. DHCP is run via a D-Link DI624 ADSL router. Everything seems to run fine inside the network.

However touching the internet gives me the feeling of speed has slowed down a bit. Doing a speed test on me connection tells me that download is fine, but upload is not running properly. Not an FW issue because data gets out, but it takes a million years.

I think that I've looked everywhere for the cause of this problem. EventVwr showed nothing, Task mgr. did not show anything, servers look healthy, the router seems to be correct setup.

Worse than that from the outside looking in nothing really works.

RDP reacts but never gives me a logon screen and loses the connection. OWA gives me the Certificate screen almost instantly, upon clicking Yes nothing else happens and the site finally returns a The page cannot be displayed.

Remote management to my router gives me an instant logon screen and then nothing happens.

I have tried resetting the router and power off/on with no change. I have had my ISP to reset and check line, no change.

So my question is basically:

1. Any ideas for further troubleshooting?
(And yes I'm thinking of switching the router with another to see if it is a hardware malfunction.)
2. Could this come from the servers