

## Re: SBS 2003 Misconfigured?

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- *From:* "Cliff Galiher" <[cgaliher@xxxxxxxx](mailto:cgaliher@xxxxxxxx)>
  - *Date:* Tue, 12 Aug 2008 13:38:15 -0600
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Inline:

-Cliff

"Mark Grantom" <[mgrantom@xxxxxxxx\[no spam\]](mailto:mgrantom@xxxxxxxx[no spam])> wrote in message  
[news:63AFF1B0-E929-40DB-B7FF-ED1377D9BC69@xxxxxxxxxxxxxxxx](mailto:news:63AFF1B0-E929-40DB-B7FF-ED1377D9BC69@xxxxxxxxxxxxxxxx)

Thanks for all the quick responses! I apologize for not getting back sooner but I had to be out of the office today unexpectedly. The Netopia IS a router/modem, it is just not setup up for routing. I wanted to use the Netgear router because it has 8 ports, utilizes UPnP (at least it did it ONCE then quit) and is brand new (well almost).

UPnP is useful for a very limited subset of applications, none of which apply in an office setting.

NAT is turned off on both devices.

Which, based on the configuration you gave, is part of the problem. You mentioned that you assigned the ISP IP to netopia AND the netgear. That itself will cause a problem. You *\*can\** configure the netopia to operate in bridged mode, but in this configuration, it is literally acting as modem, converting DSL/ATM traffic to ethernet and would not hold a public IP of its own. Again, it would have to be configured properly to pass ALL traffic to the netgear...tricky if you aren't sure EXACTLY what you are doing.

Secondly, the netgear SHOULD be configured to NAT unless you are running SBS in a 2-nic configuration in which case SBS would be handling NAT. But, if SBS were in a 2-nic configuration, you'd still need a switch on the internal-facing NIC. You could use the netgear for this, but at that point you'd configure the netgear without an external IP...and basically not be using the routing functions at all. So basically, from where I stand, you still have configuration issues.

I am NOT a techie I just figured out a lot by myself in the last 30 years that I have been building / using computers ( I started in 1978). Initially when I installed SBS 2003 I was using the netgear router with a DSL modem. When I changed over to a static IP, AT&T sent me the netopia router/modem so I was forced to use it, but since it only has 4 ports, I had a tech help me to set it up so it only obtains the ip (so it does operate as only a modem).

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If it is properly configured as "only" a modem, then it won't obtain the IP. It will let the netgear handle that task. See above.

I then linked it to the netgear router. DHCP is configured on the server, but if I set a workstation to "obtain ip automatically" that WS cannot get onto the internet. If I manually set the ip's there are no problems.

A perfect example of why I think you have fundamental network issues. Until you get DHCP working, you can't expect other things to work. DHCP isn't an overly complex protocol. If it is broke...well....you need to concentrate on fixing it. Don't even \*worry\* about trying to fix the printing issue yet. When you fix DHCP, I suspect you'll find other things magically start working.

The specific problem I have at the moment is that I have to run Quickbooks on my server (I know, I shouldn't but I HAVE to because another application I use Time Matters "Quickbooks Server, requires it.)

You know you shouldn't. We know you shouldn't. Suffice it to say, you should look at addressing this. I'm familiar with Time Matters and have my own opinions on how to resolve this issue, but as tempted as I am to do so, I think it'd only fracture the thread and frankly does not directly relate to the problem you have right now.

When I try to print from the server using the laser printer on one of the workstations, the printer does not show up. Everything else seems to work.

Everything except DHCP. You can't ignore problems and expect everything else to work. Sorry if that comes across harshly, but it is true. To say "everything else seems to work" blatantly ignores the other problems you've posted here.

I can browse files on the workstations etc. The printer is properly shared on the workstation and the box checked that says to "list in directory".

The "list in directory" is nice if you are using AD to find printers. It is not necessary though. If you've shared the printer, then you can always fall back to 'classic' file and printer sharing. And since that does not appear to be working, you have other problems.

I'm not sure, but I believe it MAY be related to my having "moved" the workstations in the Active Directory to the "my company" computers folder, if I'm making sense.

Possible, if a GPO is configured to stop file and printer sharing or setting firewall rules to block such communications. Why did you move the computer to a different OU? For SBS, the default setup with /connectcomputer is good 99% of the time. There \*are\* legitimate reasons to move machines, but I find many

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people do so when it is unnecessary as well. There is usually a better way...

Thanks for all of the help.

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Mark G

"Lanwench [MVP – Exchange]" wrote:

Cliff Galiher <cgalihier@xxxxxxxx> wrote:

- > Lanwench brings up good points, but I'm going to go a step further
- > and say I'm concerned about your current device configuration.
- >
- > If I read this properly, you have the WAN port of your netgear device
- > plugged into one of the LAN ports of your netopia.

Yes, that was my understanding as well.

- > The netopia 3300
- > series (I'm guessing the model based on the specs given) default to a
- > NAT routing configuration,

But not necessarily. I have several clients running Netopias. I merely tell the ISP that I have my own firewall appliance & don't want NAT or any filtering. The NetGear FVS318 is not the greatest firewall on the planet, but it's a decent little device – and it has an integrated Ethernet switch, which I presume he's using.

Even if the Netopia were configured to do NAT, the worst thing that would happen is that his LAN would be 'double NATted' – which might cause problems with \*inbound\* traffic but wouldn't cause any problems with LAN traffic or outbound Internet connectivity.

Guess we'll have to wait til the OP posts back to find out.

- > so essentially you've segmented your
- > network if you have equipment plugged into both devices. This could
- > cause all sorts of problems if you haven't carefully configured the
- > equipment. I'd personally pull the netgear out of the equation. No
- > need for two peices of equipment that do the same job.
- >
- > I would instead pick up a switch (not a router), such as a 3com
- > OfficeConnect (they come in managed and unmanaged varieties) or a
- > Linksys and plug it into the netopia. No worrying about WAN ports, no
- > configuration, just plug and play. I think you'll find
- > administration and troubleshooting much easier if you don't have to
- > worry about network communications traversing multiple routable
- > devices.



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>> Good  
>>  
>>> The alternate DNS is blank, should I set it to the ISP DNS-1?  
>>  
>> Nope.  
>>  
>>> Default gateway is set to router 192.168.5.2  
>>  
>>> DHCP is configured, but I manually configured all IP's on all  
>>> computers after I started having problems.  
>>  
>> OK – you shouldn't need that, but see below.  
>>  
>>> DHCP scope 192.168.5.100 to 192.168.5.150  
>>  
>> OK.  
>>  
>>> IP's on Workstations was Manually configured as 192.168.5.101,  
>>> 192.168.5.110, and 192.168.5.108 because DHCP will not work. Each  
>>> WS has its DNS pointed to the server local ip.  
>>  
>> What about the DNS suffix & WINS?  
>>  
>>> Are there a set of diagnostics I can run that will help me pinpoint  
>>> my issue? Thanks in advance.  
>>  
>> This is a lovely and informative level of detail, but you haven't  
>> told us the exact symptoms of the problem is yet. What precisely  
>> happens when you try to use DHCP & get a lease on a workstation?  
>>  
>> When you set up the server, did you install & configure DHCP right  
>> off the bat, or did you have another device on the LAN with an  
>> active DHCP server (and hence SBS would skip DHCP setup)?