

# Re: Urgent! New router and big disaster

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*Source:*

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.sbs/2006-03/msg01213.html>

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- *From:* "Les Connor [SBS Community Member – SBS MVP]" <[les.connor@xxxxxxxxxxxxx](mailto:les.connor@xxxxxxxxxxxxx)>
  - *Date:* Mon, 6 Mar 2006 18:46:37 -0600
- 

Are the clients now getting IP addresses in the 192.168.16.x range? if not

....

.... unplug the cat 5 cable between the server and the router and make \*sure\* the correct nic (external) goes down.

IMHO, it's quite possible you misconnected the nics when you put the server back in, and that started the whole thing. But I could be wrong.

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Les Connor [SBS Community Member – SBS MVP]

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SBS Rocks !  
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"Tell me and I'll forget. Show me and I'll remember. Involve me and I'll understand." – Confucius

"Merv Porter [SBS-MVP]" <[mwport@xxxxxxxxxxxxxxxxxxxxx](mailto:mwport@xxxxxxxxxxxxxxxxxxxxx)> wrote in message [news:erXO69XOGHA.516@xxxxxxxxxxxxxxxxxxxxx](mailto:news:erXO69XOGHA.516@xxxxxxxxxxxxxxxxxxxxx)

However, when I checked the binding on the external nic there was no TCP/IP in the list, just File and Printer Sharing and the Microsoft Client Networks were the only two in the list and neither of them are checked off.

Check Binding order  
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Right click My Network Places...Properties. Highlight the Internal NIC. Then select Advanced...Advanced Settings from the top menu for that window. This will check the bindings.

The Internal NIC should be displayed first followed by the External NIC. If not, move the Internal NIC to the top of the list.

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The Internal NIC should have File and Printer Sharing bound (checkmarked) to the TCP/IP Protocol.

The Internal NIC should have Client for Microsoft Networks bound (checkmarked) to the TCP/IP Protocol.

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Is the Internal NIC at the top of the list?

After running the internet connection wizard, no internet was available for either the SBS or the Client by using the test page [www.dnslookup.com](http://www.dnslookup.com), but each can view 65.98.45.220.

What is 65.98.45.220? If neither SBS server nor client workstation had Internet access, how could they view anything at this public (Internet) IP address?

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Merv Porter [SBS MVP]

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"Kimmy" <Kimmy@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message [news:41894A1D-D2B3-49C0-AB14-AD2D5EA865E8@xxxxxxxxxxxxxxxxxxxx](mailto:news:41894A1D-D2B3-49C0-AB14-AD2D5EA865E8@xxxxxxxxxxxxxxxxxxxx)

Been having a a lot of trouble. The original router died and now we are using a D-Link 604. My problem is this:

1 -I have the set up done just like this...

<http://www.smallbizserver.net/Default.aspx?tabid=266&articleType=ArticleView&articleId=76>

However, when I checked the binding on the external nic there was no TCP/IP in the list, just File and Printer Sharing and the Microsoft Client Networks were the only two in the list and neither of them are checked off. After running the internet connection wizard, no internet was available for either the SBS or the Client by using the test page [www.dnslookup.com](http://www.dnslookup.com), but each can view 65.98.45.220.

The Current ipconfig/all from server is this  
Server Local Area Connection:  
Connection-specific DNS Suffix:  
Description: Intel Pro/1000  
Physical Address: 00-14-22-B4\_12-CE

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DHCP Enabled : NO  
IP Address 192.168.16.2  
Subnet Mask : 255.255.255.0  
Default Gateway:  
DNS Servers: 192.168.16.2  
Primary Wins Server 192.168.16.2

Ethernet Network Connection

Connection-specific DNS Suffix:  
Description: BroadCom NetXtream  
Physical Address: 00-10-18-18-31-C2  
DHCP Enabled : NO  
IP Address 192.168.0.100  
Subnet Mask : 255.255.255.0  
Default Gateway: 192.168.0.1  
DNS Servers: 192.168.16.2  
NetBios Over TCPIP: Disabled  
Any ideas?

Other info... Before I ran the internet connection wizard, I also disabled the UPNP on the router itself. I have checked the DNS Service and it is running, also is the DCHP Service. I wonder if I may have missed a firewall setting on the router as well.

"CO-DBA-SC-EL" wrote:

Hmmm. In a 2-NIC setup changing the router (which feeds the WAN side of the SBS) should have nothing to do with the inability of the clients to login to the domain. Completely separate networks. The IPconfig for the client shows that the client is not able to get an address from the DHCP server on the SBS.

Now, a problem could occur if the physical net was configured to use the router's LAN switch to connect the workstations (both SBS NICs into the same switch) which in theory should work but is of course a very bad

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practice. If that is the problem, try to fix that, using the diagram in the SBS documentation (such as it is...). Assuming that this is not the problem...

First check whether the DHCP service is running. If it is not, start it, then try to figure out why it did not start in the first place.

If that does not fix the problem, go through the following steps:

1. Verify that the workstations can physically connect to the LAN side of the SBS. Since it looks like the workstations are set up to use DHCP, a quick and dirty way to do that would be (a) disconnect everything from the router then (b) to move the cable from the LAN side NIC of the SBS to a LAN port on the router then (c) turn on the router, give it time to boot and do an ipconfig –reset on a workstation then check whether it got an IP address from the router and that it can ping the router. If that doesn't work, first do a deep reset of the router and try again. If after that it still does not work, look for a bad cable or bad switch in the LAN or some other LAN config problem.
2. Assuming that step 1 is fixed, take this opportunity to log into the router and verify that it is set up correctly. It should have DHCP turned on and have its WAN side configured properly, including the ISP DNS and gateway addresses if the WAN side of the router is not using DHCP. Don't bother with

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port forwarding yet. Making sure that the firewall on the workstation is enabled (or using a test laptop instead of the workstation), connect the WAN side of the router and check that the workstation can connect to the Internet. If that works, then the router should not be a problem and you can focus on the SBS. If that doesn't work, pretend that the router is working for the purpose of step 3, but you will need a router... 3. With all physical connections correct (as in the SBS documentation diagram for 2-NIC setup with a router), run the CEICW. Use the vanilla settings. While you are at it, set up a LAN side address of 192.168.x.2 for your SBS, where x is anything except 0, 1, 2 or 13. This will allow you to substitute any router (at least from the brands I've tried) without having to worry about subnet conflict between the WAN and LAN side. When it comes to router UPNP say that your router is not UPNP, and look up the "More Info" that tells you which ports you will need to forward on the router. Port forwarding on your perimeter device is something you probably want to be able to control yourself. Also, if you control port forwarding on the router yourself, you can replace the router at will without ever needing to change anything in the SBS configuration.

4. Check the Services to verify that the DHCP service is running. Go to a workstation and verify that it can get an IP address through DHCP and that you can ping the SBS—it should show up as the gateway

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and DNS server in  
the  
IPconfig for the workstation. If this doesn't work, then you  
have a more  
serious problem with your SBS. Call for help.  
5. If steps 1 to 4 succeeded, then try to ping a known good  
test address  
(e.g. www.dnsreports.com) on the Internet from a  
workstation. If that  
doesn't work (not found), try to ping a known IP address (e.g.  
65.98.45.220). If that works but pinging by name did not  
work, you have  
a  
DNS problem. Check that the DNS configuration in the  
CEICW is correct.  
If  
you had made manual modifications to the SBS DNS  
settings, go back to  
your  
setup nodes and try to undo them before running the CEICW.  
If that still  
doesn't work, call for help.  
Let us know how you've done. Sleeplessness induces people  
to make  
strange  
errors... so be careful.

C\_O

..  
"Jan" <jan@.n.o.com> wrote in message  
[news:Ob1SWtCOGHA.1040@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:Ob1SWtCOGHA.1040@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

It looks like new router configuration was  
different from one that  
died.  
Post output of "ipconfig /all" from server  
and one workstation  
connected  
to 24 port switch.  
Should be able to give you simple  
instructions to get back to where  
you  
where before this incident.

--  
Jan Wakulicz

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www.micropol.com.au

"Kimmy"

<Kimmy@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

wrote in message

news:C85BE8C6-2E8A-4DC6-AB7A-11CD42D0716B@xxxxxxxxxxxxxxxxxxxx

quick brief on original setup  
Dell Power 1800 server  
running SBS2003 standard  
with 2 nics  
1 D-link 8 port router & 1-  
24 port switch  
D-link connected to ISP  
with a static ip and server-  
onboard nic  
connected  
to switch.  
Original install went off with  
out a hitch including all  
updates ect.  
For  
a  
week clients could  
communicate with server.

Yesterday the router dies,  
and I quickly swapped it  
with another  
D-link  
router this one smaller  
-only a four port. When the  
router died,  
other  
than  
no internet access, the client  
machines could still connect  
to  
server.  
After I swapped the router  
everything was still fine.

This morning, I had to go  
clean up my network room  
and wires. During  
this  
I  
shut down the server, and  
removed it from the room.  
It was down for

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about  
5

hours.

Then I set it back up, all the same— i didn't touch a setting, and now my clients can't login. The administrator can log in client machines, release/renew the ip address, look at network places, see the server

but

cant

connect. No internet access either.

Okay so back at the server —no internet connection but can see the internal website. The external nic is set to auto get ip from router, but the primary dns is the ip address of the local nic. When I change that to the ip of the

router I can get internet on the server. Ran the CEICW... doh! The wizard popped up with that the router is a plug in play and it wanted to configure it. Now everything is so totally messed.

I cant get any clients to log in but when i set the ip on the external nic back to the router ip, I can reach the remote server login page on my laptop.

I have ran the change server

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ip wizard, but nothing.

Please I need to have this  
whole thing back up and  
running by Mon.  
morning,  
so please give very detailed  
instructions if ya got them. I  
have been  
going  
on less than 3 hours sleep,  
and if you can come up with  
a less than  
perfect  
quick fix until next  
weekend, I am all ears.

Thanks