

Re: Urgent! New router and big disaster

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.sbs/2006-03/msg01218.html>

- *From:* Kimmy <Kimmy@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Mon, 6 Mar 2006 17:04:27 -0800
-

Yup, I checked that too, all clients are getting those ip address. And i just tried the unplugging the cable from the router and server, and the external nic was showing Unplugged.

"Les Connor [SBS Community Member – SBS M]" wrote:

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.

—
Les Connor [SBS Community Member – SBS MVP]

SBS Rocks !

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

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

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.

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Check Binding order

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. 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.

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, 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

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=7>

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

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running the internet connection wizard, no internet was
available for
either
the SBS or the Client by using the test page
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
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:

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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 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

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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 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

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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 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

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errors... so be careful.

C_O

..
"Jan" <jan@.n.o.com> wrote in message
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
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

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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.

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

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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

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server login
page on my
laptop.
I have ran
the change
server ip
wizard, but
nothing.

Please I
need to
have this
whole thing
back up and
running by
Mon.
morning,
so please
give very
deatiled
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