



Re: SBS 2003 Misconfigured?

department with several SBS 2003 servers.

Hmmm. I'd be surprised if a major oil company had SBS – and having more than one SBS server in a company makes no sense. So...

I had another guy tell me  
not to use DHCP on the server as well.

Where are you finding techs? Where are you located?

So far, all of the real world  
people that have shown up have not been of much help. Thus my  
attempt with this group.

I went out and purchased a netgear 8 port switch which I am going to  
try and setup per the previous posts. I assume I will link it via  
one of the ethernet ports on the Netopia, and enable the firewall  
settings on the Netopia as well.

No – I do not recommend that – it is not sufficiently secure.

I will experiment with the Netgear  
router by itself and see if I can reflash it back into use. If so, I  
will swap it out later since it appears to be a superior firewalling  
product.

Yes, I think so. However, if you really want to take care of that, get a  
SonicWALL or similar.

Mark Grantom <mgrantom@xxxxxxxxxx[no spam]> wrote:

DHCP shows up on the server as running. I am attempting to  
do this  
using remote desktop so, I'm not sure of the results.

Ah. It's best to do this stuff in person, really.

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When I pulled up one of the workstations via remote web connection, and changed the tcp/ip settings to "obtain ip automatically" and "obtain DNS automatically", the NIC on the workstation apparently reset itself and I lost my remote session of course.

Biensure!

When I remote back into the server and look at DHCP, I did see the ip address of 192.168.5.101 which is what I had also previously used as the static ip address.

OK, but why are you looking at the server rather than the workstation? Can't you still connect?

I

assume DHCP assigned it, but how can I verify that. Is there a way to force a client to obtain a new ip address by issuing a command from the server?

Not really. Do this in person on the client.

```
ipconfig /release  
ipconfig /renew  
ipconfig /all  
(this will show you the DHCP lease info).
```

Also, I may have misstated the original issue about DHCP not working. What I mean to say is that when tcp/ip is set to "auto obtain" on the workstations, I was having connection problems with the workstations.

Such as?

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It could be that DHCP is working but is misconfigured.

If the server was set up using the wizards, this wouldn't happen. However, it's very easy to reconfigure your DHCP server / scope options after the fact. Make sure DHCP is disabled on your router. What you want is something like this:

Scope: 192.168.5.1 – 192.168.5.254  
Subnet mask: 255.255.255.0  
Exclusions: 192.168.5.1 – 192.168.5.100 (if you're using my scheme, in which case assign the server something like .30) and also 192.168.5.200 – 192.168.5.250. If you want to stick with your existing server IP, exclude it singly.  
Router: 192.168.5.1  
DNS domain/suffix: whatever.local  
DNS servers: 192.168.5.xxx (your server's LAN IP)  
WINS server: 192.168.5.xxx (your server's LAN IP)  
WINS node type: 0x8 (hybrid node)

I don't think you can re-configure your DHCP server using the CEICW, which is a shame as you wouldn't have to do all this work manually, but someone else may contradict or confirm that.

For example, I noticed that under "Server Options" there is a setting for Router. Is this the netgear router or is it the SBS server?

The Netgear, or whatever you use as your gateway to get out to the Internet.

As for the tech issue, the last guy's solution was to enable DHCP on the router, which is not what I wanted.

Nor should it be. Try and find a good/qualified tech who's worked with SBS before, but also has experience with & understanding of AD & basic networking.

Thanks for your help.

You're welcome.

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Mark Grantom

<mgrantom@xxxxxxxxxxx[no spam]> wrote:

I went back and looked at the Netgear. I don't see anything that allows you to turn NAT on or off. I based my post on the notes that a tech I hired left me.

I'm guessing that you may want to get another tech in there to help you out at this point, honestly.

I DO know that NAT is off on the Netopia. The netgear has a setting for the Internet IP which is set to the static IP given to me by AT&T. It also has a setting for the LAN ip which is set to 192.168.5.2 if this helps.

Then you do have NAT on there.

The additional information on how my workstations are manually configured:  
WINS is set to the SBS server's ip 192.168.5.109  
DNS server address is set to SBS server's ip 192.168.5.109  
Append primary and connection specific DNS suffixes is selected  
DNS suffix for this connection is set to "grantomlaw.local"

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Register this connections  
addresses in DNS is  
checked  
Use this connection's DNS  
suffix in DNS registration is  
checked  
IP Settings  
192.168.5.101 Subnet mask  
of 255.255.255.0  
Gateway is set to  
192.168.5.2 (address of the  
netgear router)  
Automatic metric is checked

That's all good, but something else is clearly  
awry if you can't  
get DHCP working – and as Cliff says, that  
should be a simple  
thing. The fact that it isn't working indicates  
you've got larger  
problems.. Ignore the Netopia & Internet  
access right now – in  
fact, disconnect the WAN port of the  
Netgear from the Netopia  
entirely. So, everything is plugged into the  
switch ports on your  
Netgear now, yes?

If DHCP is \*disabled\* on the NetGear  
(which, btw, I much prefer as  
a simple firewall to the Netopia), then you  
should have DHCP  
running on the SBS box. If the DHCP server  
service is started &  
you can see it working/running in the DHCP  
server console on the  
server, and you connect a workstation  
configured to get an IP  
address automatically, what happens?

If this isn't your area of expertise or cup of  
tea there's no shame  
in  
that – but you ought to get someone  
experienced in to help you out  
if you're having problems at this level.

Oh, and don't install Quickbooks on your  
server. Seriously.

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Inline:

-Cliff

"Mark  
Grantom"

<mgrantom@xxxxxxxxxx[no  
spam]>

wrote in  
message

[news:63AFF1B0-E929-40DB-B7FF-ED1377D9BC69@xxxxxxxxxx](mailto:news:63AFF1B0-E929-40DB-B7FF-ED1377D9BC69@xxxxxxxxxx)

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.

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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

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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

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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

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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

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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).

If it is  
properly  
configures  
as "only" a  
modem,

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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.

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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

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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,

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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

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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

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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

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

Thanks  
for  
all  
of  
the  
help.  
--  
Mark

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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

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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

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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.

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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

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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

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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



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to  
furnish  
as  
much  
information  
as  
possible  
to  
help  
me  
solve  
this  
problem.  
I  
have  
spent  
a  
great  
deal  
of  
time  
trying  
to  
solve  
this  
myself  
but  
I  
am  
at  
a  
complete  
roadblock  
at  
this