

Re: SBS 2003 Misconfigured?

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.sbs/2008-08/msg01189.html>

- *From:* "David Olsen" <david.powerbits@xxxxxxxxxxxxxxxx>
 - *Date:* Wed, 13 Aug 2008 15:34:14 +1000
-

From the client you can force a new DHCP request by running:

```
ipconfig /release  
ipconfig /renew  
from a command line.
```

David Olsen
www.powerbits.com.au

"Mark Grantom" <[mgrantom@xxxxxxxxxx\[no spam\]](mailto:mgrantom@xxxxxxxxxx[no spam])> wrote in message
news:D431783F-09A2-406B-BF95-09A9515C0642@xxxxxxxxxxxxxxxx

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. 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.

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. 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? 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.

It could be that DHCP is working but is misconfigured. 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? As for the tech issue, the last guy's solution was to enable DHCP on the router, which is not what I wanted.

Thanks for your help.

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—
Mark G

"Lanwench [MVP – Exchange]" wrote:

Mark Grantom <mgrantom@xxxxxxxxxx[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"
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

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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.

Inline:

–Cliff

"Mark Grantom"

<mgrantom@xxxxxxxxxxx[no spam]> wrote

in message

news:63AFF1B0-E929-40DB-B7FF-ED1377D9BC69@xxxxxxxxxxxxxxxxxxxx

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).

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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

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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).

If it is properly configures 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

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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

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

Thanks for all of the help.

--

Mark G

"Lanwench [MVP – Exchange]" wrote:

Cliff
Galiher
<cgalier@xxxxxxxx>
wrote:

Lanwench
brings
up
good
points,
but
I'm
going
to

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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

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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.

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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 OP posts back to find out.

so essentially you've segmented your network if you have equipment plugged into both devices. This

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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

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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.
-Cliff

"Lanwench

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solve
this
myself
but
I
am
at
a
complete
roadblock
at
this
point.
I
really
need
to
get
my
system
up
and
functional
again.
My
SBS
2003
is
setup
with
1
NIC
&
3
Win
XP
workstations.
I
am
using
a
Netopia
ADSL2/2+
4pt
Managed
Switch
that
is
connected
to
a

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netgear
router.
I
needed
the
Netgear
router
because
it
has
8
ports
and
I
have
several
printers
besides
my
3
workstations
and
server
that
I
wanted
to
connect
to
it.
My
SBS
2003
Server
and
3
workstations
are
all
connected
to
the
router.
I
am
having
trouble
not
being
able
to

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print
from
the
server
to
a
printer
connected
on
one
of
the
workstations.

I
get
an
"access
denied,
unable
to
connect"
type
message.

I
also
lose
connectivity
between
the
WS
and
the
server
from
time
to
time.

I
believe
I
have
something
misconfigured
but
I
cannot
figure
it
out.
Any
help

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in
getting
this
resolved
would
be
much
appreciated.
The
configuration
of
the
devices
is
as
follows:
Netopia
router

(this
is
really
a
modem)

DHCP
"OFF"
Manually
configured
static
IP
from
ISP
DNS
set
to
ISP
DNS-1
&
DNS-2

Netgear
FVG318
router
WAN
IP
set

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to
one
of
the
static
IP's
assigned
by
ISP
LAN
IP
of
router
manually
set
to
192.168.5.2
DHCP
turned
off
Primary
and
Secondary
DNS
setup
to
my
ISP's
DNS

SBS
2003
Server
Computer
name
is
MSGSRV
IP
of
server
is
192.168.5.109

That's
fine,
but
for

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reasons
of
tidiness
&
organization
it's
usually
best
to
assign
your
static
IP
addresses
from
the
lowest
or
highest
range
of
your
IP
subnet.
I
set
exclusions
–
such
as,
from
.1
to
.50
and
from
200
–
.250.
I
set
the
gateway/router
appliance
to
.1,
and
set
my
servers
to

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use
between
.10
and
.20,
etc.
You
don't
have
to
do
this,
but
I
find
it
tidier.

TCP/IP
is
configured
so
that
DNS
point
to
itself

Good

The
alternate
DNS
is
blank,
should
I
set
it
to
the
ISP
DNS-1?

Nope.

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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.

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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

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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

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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)?