

Re: SBS 2003 Misconfigured?

Also, the firmware update was a major one going from 1.x to a 2.x and totally changed the graphical interface on the router, however, it also caused the router to display an error message "unable to obtain profile". A tech at netgear suggested that I reflash the firmware so when I went back to re-download it, the 2.x version for my router is no longer listed as being compatible with my older unit, so I downgraded the firmware to the latest 1.x version. Bottom line, the router may have issues.

It's easy to bypass this – just get an ethernet switch & be disconnected from the Internet modem when you do this.

It is very frustrating to try to find a person willing to administer SBS 2003 on a tiny system like mine in the real world. I had one tech spend 4+ hours on my system, and then tell me to enable DHCP on the router. This tech is in charge of a major oil company's IT 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

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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.

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?

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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?

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 surte 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

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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.

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

I went back
and looked
at the
Netgear. I
don't see
anything

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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
additonal
information
on how my
workstations
are manuall

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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

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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@xx

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

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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.

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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

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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

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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

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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

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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

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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

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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

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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

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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.

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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

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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

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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

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"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

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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

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better
way...

Thanks
for
all
of
the
help.
--
Mark
G

"Lanwench
[MVP
-
Exchange]"
wrote:

Cliff
Galiher
<cgalih@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

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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

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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

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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

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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

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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

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I
apologize
in
advance
for
the
length
of
this
post,
however
I
wanted
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

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