

Re: Urgent! New router and big disaster

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.sbs/2006-03/msg01245.html>

- *From:* "Les Connor [SBS Community Member – SBS MVP]" <les.connor@xxxxxxxxxxxxx>
 - *Date:* Mon, 6 Mar 2006 20:56:04 -0600
-

Also, it might be a good time to go to the router's configuration page, and see what it has to say. Is it connected, and what dns servers is it pointing to? Perhaps they're pooched. If you could easily connect a machine on one of the router ports (and get the nic configured correctly) you might be able to determine if there's a working internet connection, or not.

This thread shows how hard it can be to get anything done in a newsgroup setting. An experienced SBS technician would have this sorted in less than 10 minutes if he was at your premises ;-/.

—
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@xxxxxxxxxxxxxxxxxxxxx> wrote in message <news:%23HGGR8YOGHA.3896@xxxxxxxxxxxxxxxxxxxxx>

Go back to pointing the external NIC DNS Servers to the SBS server IP address (192.168.16.2).

After that, make sure the DHCP Client Service is running on the server.

No DNS Name Resolution If DHCP Client Service Is Not Running
<http://support.microsoft.com/kb/q268674/>

—
Merv Porter [SBS MVP]

=====
"Les Connor [SBS Community Member – SBS MVP]" <les.connor@xxxxxxxxxxxxx> wrote in message <news:%23XzuE4YOGHA.2300@xxxxxxxxxxxxxxxxxxxxx>

Whooops, local router device is the wrong answer ;-).

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You have a full-time broadband connection.

--

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

"Kimmy" <Kimmy@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message
news:97BAB5D4-7850-40B0-BEA2-E9B58F95F90A@xxxxxxxxxxxxxxxxxxxx

Okay, when I run the CEICW this is what I see...
First Page of the Internet Connection Wizard, I select my
Broadband
connection.
Next I Select a local router device with an ip address. The
next page
are
the DNS Server addresses provided by my ISP, and the local
IP address of
router, which are already in.

The Next Page is the network connection page, Under ISP
network I have
the
Network connection, but I can't change the ip address or the
subnet
mask,
same as the Server Local Area Connection, I can't change
addresses there
either.

After that I get the rest, firewall, web server certificate,
internet
email
and so on. I am not sure how I can
use the CEICW to make the changes you have listed. Or
have I
misunderstood.

"CO-DBA-SC-EL" wrote:

You're getting close. Since you can reach an
external web site by using
its
IP it means that your problem is now DNS. I
don't see how your settings

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could work. In the TCP/IP properties for the external NIC, you need to specify an external DNS server for DNS, instead of the server's own IP address. You should do that in the CEICW, that way it will set up the DNS forwarding to work correctly. When the CEICW asks you for the configuration for the external NIC, use:
IP Address 192.168.0.99 (See Note 1)
Subnet Mask : 255.255.255.0
Default Gateway: 192.168.0.1
DNS Servers: 192.168.0.1 (See Note 2)

Note 1. 192.168.0.100 looks like an address in the DHCP range of the router.

You should give your SBS a fixed external address so you can forward ports to it reliably in the router. I don't have the D-Link doc but x.x.x.99 should be outside its DHCP range. If not pick another one. Why do that if the SBS is the only computer connected to the router? Because some day you might try to debug something else, plug a computer in the router while the SBS is off or disconnected, then plug the SBS back in and discover that the other computer has now been given the address you thought was the SBS's own.

Then of course RWW and all those goodies quit working. Play it safe.

Use a fixed address outside the DHCP range of the router.

Note 2. Normally the router will forward DNS requests. You may be able to speed things up by specifying the IP address of your ISP's DNS servers instead of the router -- the router will just pass that through instead

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of
actively forwarding.

C_O

"Kimmy"

<Kimmy@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

wrote in message

news:C56EA7C3-EAE0-4D4F-9BBB-DFA8FBB9DC11@xxxxxxxxxxxxxxxxxxxx

I checked the binding order
and the Server Local area
connection is at
the
top.

I should have been more
clear about internet
connection..
– when we open internet
explorer the company web
is shown, when we
type in
an address...
http:www.google.ca, we get
page cannot be displayed.
But if
I
type the ip address
65.98.45.220 the webpage
loads. (this is true for
Both
the SBS and client stations)
I just read somewhere in
another posting about
nslookup.exe, and
thought I
would give it a try. I got
this..
***Can't find server name
for address 192.168.16.2:
Non-existent
domain
Default Server: Unknown
Address: 192.168.16.2
(I found that in the DNS –
clicked my server name and
ran the lookup
tool)

"Merv Porter [SBS-MVP]"

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wrote:

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.
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

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bound
(checked)
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

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Internet
access, how
could they
view
anything at
this public
(Internet)
IP
address?

--
Merv Porter
[SBS MVP]

=====
"Kimmy"
<Kimmy@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>
wrote in
message
news:41894A1D-D2B3-49C0-AB14-AD2D5EA865E8@xxxxxxxx

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

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done
just
like
this...

<http://www.smallbizserver.net/Default.aspx?tabid=266&articleid=266>

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

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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

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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

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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.

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"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

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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

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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

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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

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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

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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

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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

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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

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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

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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

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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

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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

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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

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a
more
serious
problem
with
your
SBS.
Call
for
help.
5.
If
steps
1
to
4
succeeded,
then
try
to
king
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

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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

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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@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
wrote
in
message
news:C85BE8C6-2E8A-4DC6-AB7A-11C

quick
brief
on
original
setup

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