

RE: Server 2003 Network problems since IP address change

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.networking/2009-03/msg00067.html>

- *From:* Oliver Maynard <OliverMaynard@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Thu, 5 Mar 2009 01:27:02 -0800
-

Hi Meinolf,

In addition to that last post in regards to the ipnat.sys....I was working over a vpn when I was trying to configure it and I have just read that this can cause a problem. Strangely today I couldnt connect to any of my remote desktops over the vpn either.

Regards,
Oliver

"Oliver Maynard" wrote:

Hello Meinolf,

Only the windows firewall is running. I just tried to disable it but when I try to open it (on the server) I get the error 'Windows firewll cannot run because another program or service is running that might use the network address translation compnant (Ipnat.sys)'.
(Note: 'compnant' is a typo for 'component')

I am not sure where you find the 'network identification' section you mentioned. If you mean is it listed in the properties of the network adapter then yes it is.

Thanks again for your help with this....sorry it seems to be such a problem.

Best regards,
Oliver

"Meinolf Weber [MVP-DS]" wrote:

Hello Oliver,

Is there any firewall running on client or server? Is the Primary DNS suffix added in the system properties, network identification, properties, choose the "More" button?

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Best regards

Meinolf Weber

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Hello Meinolf,

Dynamic updates is enabled and set to 'secure only'.

The ipconfig command didnt work and there are fair few errors in the eventwr in both the server and the client.

The client

Event ID : 11165

The system failed to register host (A) resource records (RRs) for

network

adapter

with settings:

Adapter Name :

{AB759FE5-E3DF-4FB9-9156-5552068F7C4B}

Host Name : easy2

Primary Domain Suffix : WSW.local

DNS server list :

192.168.1.1

Sent update to server : <?>

IP Address(es) :

192.168.1.23

The reason the system could not register these RR's was because the

DNS server contacted refused the update request. The reasons for this

might be (a) you are not allowed to update the specified DNS domain

name, or (b) because the DNS server authoritative for this name does

not support the DNS dynamic update protocol.

To register the DNS host (A) resource records using the specific DNS

domain name and IP addresses for this adapter, contact your DNS server

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or network systems administrator.

The server

Error EventID : 6702

DNS server has updated its own host (A) records. In order to ensure that its DS-integrated peer DNS servers are able to replicate with this server, an attempt was made to update them with the new records through dynamic update. An error was encountered during this update, the record data is the error code.

Error Event ID : 4004

The DNS server was unable to complete directory service enumeration of zone WSW.local. This DNS server is configured to use information obtained from Active Directory for this zone and is unable to load the zone without it. Check that the Active Directory is functioning properly and repeat enumeration of the zone. The extended error debug information (which may be empty) is "". The event data contains the error.

Warning EventID : 4521

The DNS server encountered error 32 attempting to load zone 0.168.192.in-addr.arpa from Active Directory. The DNS server will attempt to load this zone again on the next timeout cycle. This can be caused by high Active Directory load and may be a transient condition.

I hope that helps you as it doesnt mean much to me!!

Thanks a lot

"Meinolf Weber [MVP-DS]" wrote:

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Hello Oliver,

Do you use dynamic updates on the zone properties?

Also run ipconfig /registerdns on the client, this should register there entry in DNS zone, a message should appear similar to "takes about 15 minutes".

Best regards

Meinolf Weber

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Hi Meinolf,

I have removed the reverse lookup and added the new one as you suggested.

The servers are listed in the forward lookup zones but the clients aren't.

Yes Gpos are applied to OU's and the users are in the OU's.

Gpresult returns : The user domain\user does not have RSOP data.

Thanks

"Meinolf Weber
[MVP-DS]" wrote:

Hello
Oliver,

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The iprange
is not the
reason that
something
does not
work as
long
as all
machines
are using
the correct
subnet. If
you say
GPO's and
logon script
does not
run.

Remove the
reverse
lookupzone
on the DNS
server for
192.168.0.x
network and
create a new
one for the
192.168.1.x
network.

Are the
GPO's
linked to
the OU
where the
user/computers
are
located?

Did you run
gpresult /v
on a client
machine to
see if the
GPO is
listed?

Are all
servers and
clients are

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listed in the
Forward
lookup
zones
in your
DNS
server?

Best regards

Meinolf
Weber

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Thanks
for
your
suggestions
guys.

I
have
changed
the
DNS
settings
as
you
have
both
described.
GPO's
and
logon

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scripts
still
do
not
run.
Of
the
clients
I
have
tried
this
morning
they
all
seem
to
be
able
to
access
the
server
without
prompting
for
a
username
and
password
for
access
(even
tho
the
user
is
logged
onto
the
domain)...but
this
seems
to
happen
at
strange
intervals
so
I
am

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not
confident
that
it
is
a
closed
issue
yet.

Would
incorrect
dns
settings
cause
the
type
of
issues

I
am
having
do
you
think?

I
don't
doubt
that
I
had
it
setup
incorrectly...I
just
can't
understand
why
clients
would
be
denied
access
to
network
resources
based
on
log
on
credentials.

The
only
other
solution
I
can
think
of
is
to
go
back
to
192.168.0.x
addressing
like
we
had
before
to
see
if
that
makes
a
difference.
I
am
limited
to
what
I
can
do
during
the
working
week
due
to
disruption
though.

I
really
appreciate
your
input
thank
you

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again.
"Meinolf
Weber
[MVP-DS]"
wrote:

Hello
Oliver,

The
ipconfig
output
is
from
the
client?

Well,
your
DNS
configuration
coming
from
your
DHCP
server
has
only
to
provide
domain
internal
ip
addresses
192.168.1.2
for
DNS
The
external
addresses
194.72.9.38
and
62.6.40.162,
i
assume
your
ISP's
DNS
server
are
wrong

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at
that
place.

On
the
DNS
server
properties
in
the
DNS
management
console
under
the
DNS
server
properties
you
have
a
FORWARDERS
tab,
here
fill
in
the
ISP's
DNS
server.

If
the
ipconfig
from
the
DC
looks
similar,
change
that
also.

The
client
should
look
like:
ip
192.168.1.x

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sm
255.255.255.0
dg
192.168.1.1
dns
192.168.1.2
and
the
server:
ip
192.168.1.2
sm
255.255.255.0
dg
192.168.1.1
dns
192.168.1.2
Also
if
you
do
not
use
IPv6
i
would
uncheck
the
setting
under
the
NIC
properties.
Best
regards
Meinolf
Weber
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**

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**

HELP

us

help

YOU!!!

http://www.blakjak.demon.co.uk/mul_crss.htm

Hi,

it

is

a

AD

run

domain

with

a

single

DC.

Previously

the

old

router

provided

the

DHCP

addressing.

When

we

moved

offices

we

had

BT

come

and

install

our

phone

systems

with

a

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new
router
and
hence
the
new
addresses.
This
router
has
proved
very
troublesome
so
I
have
disabled
the
dhcp
server
on
it
and
setup
the
same
scope
it
was
using
on
the
DC.

ipconfig
results
:

Connection-specific
DNS
Suffix
.
:
Description
.
.
.
.
.
.
.

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.
. .
. .
. .
:
NVIDIA
nForce
Networking
Controller
#5
Physical
Address.
. .
. .
. .
. .
. .
. .
:
00-1E-8C-2E-0F-2E
DHCP
Enabled.
. .
. .
. .
. .
. .
. .
. .
:
Yes
Autoconfiguration
Enabled
. .
. .
:
Yes
Link-local
IPv6
Address
. .
. .

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.
:
fe80::459b:61f5:8668:2c01%24(Preferred)
IPv4
Address.
.
:
192.168.1.21(Preferred)
Subnet
Mask
.
:
255.255.255.0
Lease
Obtained.
.
:
22
February
2009
14:33:09
Lease
Expires
.

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.
. .
. .
. .
. .
194.72.9.38
62.6.40.162
Primary
WINS
Server
. .
. .
. .
. .
. .
. .
. .
192.168.1.2
NetBIOS
over
Tcpip.
. .
. .
. .
. .
. .
. .
Enabled
The
DC
=
192.168.1.2
The
router
=
192.168.1.1
As
per
Meinolf
Weber
[MVP-DS]
suggestion,
I
have
just
looked
on
the

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DC
under
DNS
and
under
'Reverse
Lookup
Zones'
there
is
an
entry
for
192.168.0.x
Subnet'
with
a
list
of
pointers
to
computers
and
the
old
addresses
they
used
to
hold.
Could
this
be
something
to
do
with
it?
Thanks
for
your
help
guys.
"Newell
White"
wrote:

"Oliver
Maynard"
wrote:

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Hi,
hopefully
someone
will
be
able
to
shed
some
light
on
this
problem.

We
have
just
moved
offices
and
broadband
providers.
With
the
move
came
a
change
of
Ip
addresses.
we
used
to
run
on
192.168.0.1/254
and
now
we
use
192.168.1.1/254.

Since
the
move
I
am
getting
loads
of

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problems
with
GPO's
not
applying
to
clients
anymore
and
the
biggest
problem
which
is
the
server
refusing
access
to
network
drives.
I
have
to
manually
un-map
the
drives
and
add
them
again...most
the
times
using
a
different
username
and
password
as
I
get
the
error
'Multiple
connections
to
a
server
or

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shared
resource
by
the
same
user,
using
more
than
one
username,
are
not
allowed'
or
a
similar
one
which
I
cannot
now
replicate.

Is
this
related
to
the
IP
address
change?
if
so
I
musy
have
missed
something
somewhere
when
I
was
updating
the
server.

Thanks
for
you
help.

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More
information
is
needed
before
anyone
can
help
you.

Is
your
network
a
domain
or
a
workgroup?
If
a
domain,
is
it
AD-integrated
zone?
More
than
one
DC?
Does
2003
server
provide
DHCP
for
your
network?
Did
you
destroy
old
scope
and
create
a
new
one?
Please
post

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ipconfig/all
result
for
server
and
typical
workstation.

--

Regards,
Newell
White