

Re: How to enable communication between Two different lans (subnets)/ domains 2003 server based? Assistance?

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Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.networking/2007-09/msg00217.html>

- *From:* markm75 <markm75c@xxxxxxx>
 - *Date:* Thu, 13 Sep 2007 20:19:00 -0700
-

On Sep 13, 10:54 pm, "Bill Grant" <not.available@online> wrote:

"markm75" <markm...@xxxxxxx> wrote in message

news:1189731316.997197.213340@xx

On Sep 13, 7:34 pm, "Bill Grant" <not.available@online> wrote:

Yes, it probably is a routing issue. The Internet router probably has no idea where the new inner subnet is. You need a route on the Internet router to forward traffic for the new subnet to the internal router.

"markm75" <markm...@xxxxxxx> wrote in message

news:1189716017.545836.210710@xx

On Sep 13, 10:53 am, markm75 <markm...@xxxxxxx> wrote:

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I
would
recommend
that
you
set
up
your
new
domain
on
an
isolated
network
and
get
it
working
properly
on
its
own
subnet
using
its
own
DNS
and
DHCP.
When
that
all
works,
set
up
a
virtual
machine
(not
the
DC)
as
a
router
between
that
subnet
and
your
existing
physical LAN.

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You
will
need
extra
routing
so
that
the
existing LAN knows
where
the
new
subnet
is
and
how
to
reach
it.
You
will
also
need
to
set
up
your
DNS
on
the
new
domain
to
forward
to
a
DNS
server
which
can
resolve
public
URLs.-
Hide
quoted
text
-

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–
Show
quoted
text
–

Working
like
a
charm
so
far..
All
i
had
to
do
was
add
a
static
route
in
my
router
to
the
RAS
server
on
my
virtual
network..
and
on
that
RAS
server
have
a
secondary
nic
with
an
ip
address
in
the
real

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domain..
all
machines
in
the
virtual
realm
have
the
gateway
set
to
the
RAS
server
address..

Now
onto
secondary
thing..
DNS..
what
is
the
usual
way
to
hack
this
one..
should
i
just
put
for
the
secondary
dns
addresses
on
every
machine
in
the
Virtual
Network,
the
dns

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of
the
real
network?
Or
can
I
just
do
a
forward
from
within
the
DNS
manager
(right
click
server
name..
forwards
tab..
enter
ip
address
of
the
opposite
dns
servers?)
on
the
Virtual
network
and
the
same
on
the
real..
i
think
this
one
would
be
simpler?

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I
can
only
ping
by
ip
as
of
now
naturally.

UPDATE:
Tried
adding
the
real
domains
ip
addresses
to
the
forwarders
tab,
recycled
things,
waited,
i
still
cant
ping
them
by
name
as
of
now.
Actually..
i
can
ping
the
other
domain..
but
only
if
i
add
the

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domain
suffix..
ie:
ping
serverA.domain.local
I'm
guessing
i
can
tweak
the
settings
to
fix
this..
hoping
i
dont
need
to
add
this
suffix
to
every
machine
in
the
virtual
realm.
This
ping
with
the
suffix
actually
works
without
doing
anything
to
DNS
on
either
side
too.

Have you
tried simply

Re: How to enable communication between Two different lans (subnets)/ domains 2003 server bas@d? Assi

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setting the
new DNS to
forward all
requests
to the
existing
DNS on the
physical
network?
Another
solution
would be to
make
the
new DNS a
secondary
for the
original
DNS so that
it had a
local
copy.–
Hide quoted
text –

– Show
quoted text
–

I think at first i did try the
forwarding option, just
adding the ips,
but...

I fixed the problem.. on the
server properties for each
dns server on
each side.. i had to add a
new dns domain for the
opposite domain (not
just add the ip), then the dns
server(s) ip addresses.. once
i did
this.. they started
communicating from either

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side.. but only by
FQDN..

I cant run DHCP on the
virtual LAN, or so i think,
because if i do..
it may give out those .227.x
addresses to the .100.x
machines by
mistake (hence I think,
naturally, the test domain
machine names dont
auto get put into DNS, with
their A records).. so
everything is manual
on the virtual side.. meaning
now to ping either side.. i
use the
FQDN, but name
nonetheless
(\\server.domain.local)-
Hide quoted text -

- Show quoted text -

Actually I have a new problem.. for some
reason my virtual lan cannot
access the internet.. I cant even ping via
internet ip addresses.. so
i dont think it is a dns issue, more likely a
routing issue.- Hide
quoted text -

- Show quoted text -

My virtual network is the one running the RRAS server on .227.6
while my real network is on .100.1 (gateway, symantec router, internet
router). I previously added a static route to the Symantec Gateway
router to the 192.168.227.0 / 6 subnet.. so communication could occur
between the two.

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Are you saying the RRAS server needs its own static route to the Symantec .100.1 router? I dont see why, as i can ping back and forth and dns works back and forth (FQDN).. I also tried pinging internet IP addresses.. they fail too.

No, all you need is a static route on the gateway router to forward traffic for the 192.168.227 subnet to the RRAS router. If that is in place, machines on the 192.168.227 subnet should be able to ping machines in the 192.168.100 subnet and the Internet. It should look like this.

```
Internet
|
Public IP
gateway router {static route 192.168.277.0 255.255.255.0 192.168.100.n}
192.168.100.1
|
LAN machines
192.168.100.x dg 192.168.100.1
|
192.168.100.n dg 192.168.100.1
RRAS
192.168.277.1 dg blank
|
virtual machines
192.168.277.x/24 dg 192.168.277.1
```

Machines in 192.168.277 can get to the "real" network because the gateway router will bounce traffic addressed to the inner subnet to the RRAS router. Similarly it will redirect traffic coming from the Internet to the RRAS router.– Hide quoted text –

– Show quoted text –

Actually, I already have the static route in place on the gateway.. it only asks for a few things.. the ip of the subnet.. so i gave it 192.168.227.0 and then the gateway (RRAS server) 192.168.227.6..

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