

# Re: Network Shares via VPN OK one way, rejected the other way

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*Source:*

[http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.network\\_web/2008-06/msg00170.html](http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.network_web/2008-06/msg00170.html)

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- *From:* MrOrange <[MrOrange@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:MrOrange@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Tue, 10 Jun 2008 11:03:04 -0700
- 

Ok been twiddling around...

On the Ireland server (oserver.yourdomain.local) i have now one nic facing the router of :

192.168.15.2  
255.255.255.0  
192.168.15.254 (router)

and the other nic facing the internal network:

192.168.16.1  
255.255.255.0

on the same server, i can ping both address's (expected) but when trying to open them as a network share, there's problems,

ie clicking Start/Run then entering :

\\192.168.16.1

....results in the local network share opening – as expected

clicking Start/run then entering:

\\192.168.15.2

....results in a pause of about 30 seconds then a message informing me it cannot locate the network share.

This to me – baring in mind i know very little on routing tables etc, sounds like there is no link between the nic's ie segregated. I am then assuming its simply a case of an addition to the ireland's routing table?

Another thing to bare in mind, which might help someone identify the

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problem, on the Ireland server, i can open a share located on a server in Warrington (there's a vpn tunnel) by entering its full domain eg

Start \ Run

\\dbase.mydomain.lan

This opens the share located on the dbase server in Warrington, which is fine.

From the other side ie the Warrington server, i enter:

Start \ Run

\\oserver.yourdomain.local

After a short pause – the no network share available msg appears. (tried also via ip)

Please help! – i have spent the day bashing my head on this and got pretty much no where and feel rather disheartened by the whole thing – it feels like its just out of my reach...tip of my tongue, just around the corner, etc, etc... Can someone PLEASE help ?

Thanks in advance!!!

"MrOrange" wrote:

hmm yeh – it got me thinking, i created a share on the ireland server with full access permissions for everyone, tried to access it on the uk server, failed (expected) – then tried the same path on the actual ireland server, this should work – it didnt...it seems to be a routing issue of sorts, i have a headache at present so im going to step through this carefully, but i think im on to something..

as you say that both cards must not share the same subnet, so if i say, set the external facing nic (ie the one plugged into the router) from 192.168.16.2 to 192.168.18.2 and leave the internal (the one plugged into the local switch) nic as 192.168.16.1 – it should work?

Vpn is a managed service....

Thanks again for taking the time to look at this :)

"Robert L. (MS–MVP)" wrote:

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We have some issue with OSERVER.IRELAND.LOCAL configuration. Is OSERVER.IRELAND.LOCAL DC? If yes, you may have a name resolution and routing issue. It is not recommended to run a DC on a multihomed computers.

Both IP addresses should not be in the same ip range.

Which VPN service are you using?

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Bob Lin, MS-MVP, MCSE & CNE  
Networking, Internet, Routing, VPN Troubleshooting on  
<http://www.ChicagoTech.net>  
How to Setup Windows, Network, VPN & Remote Access on  
<http://www.HowToNetworking.com>  
"MrOrange" <MrOrange@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message  
<news:635A80CE-CC9E-4C2F-9CCA-0038C78C698D@xxxxxxxxxxxxxxxxxxxx>

Sure thing

Server in Ireland :

Ipconfig /all

Windows IP Configuration

Host Name . . . . . : OSERVER  
Primary Dns Suffix . . . . . : ireland.local  
Node Type . . . . . : Unknown  
IP Routing Enabled. . . . . : Yes  
WINS Proxy Enabled. . . . . : Yes  
DNS Suffix Search List. . . . . : ireland.local

Ethernet adapter LAN:

Connection-specific DNS Suffix . :  
Description . . . . . : Realtek RTL8139 Family PCI  
Fast  
Ethernet NIC  
Physical Address. . . . . : 00-xx-xx-xx-xx-xx  
DHCP Enabled. . . . . : No  
IP Address. . . . . : 192.168.16.1  
Subnet Mask . . . . . : 255.255.255.0  
Default Gateway . . . . . :  
DNS Servers . . . . . : 192.168.16.1  
Primary WINS Server . . . . . : 192.168.16.1

Ethernet adapter WAN:

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Connection-specific DNS Suffix . :  
Description . . . . . : Broadcom NetXtreme 5721  
Gigabit  
Controller  
Physical Address. . . . . : 00-12-3F-6E-7E-CA  
DHCP Enabled. . . . . : No  
IP Address. . . . . : 192.168.16.2  
Subnet Mask . . . . . : 255.255.255.0  
Default Gateway . . . . . : 192.168.16.254  
DNS Servers . . . . . : 192.168.16.2  
Primary WINS Server . . . . . : 192.168.16.2  
NetBIOS over Tcpi. . . . . : Disabled

Routing table for the same server in Ireland:

IPv4 Route Table

=====  
Interface List

0x1 ..... MS TCP Loopback interface  
0x10003 ...00 xx xx xx xx xx..... Realtek RTL8139 Family  
PCI Fast  
Ethernet  
NIC  
0x10004 ...00 xx xx xx xx xx..... Broadcom NetXtreme 5721  
Gigabit  
Controller  
=====

=====  
Active Routes:

Network Destination Netmask Gateway Interface  
Metric  
0.0.0.0 0.0.0.0 192.168.16.254 192.168.16.2 1  
127.0.0.0 255.0.0.0 127.0.0.1 127.0.0.1 1  
192.168.16.0 255.255.255.0 192.168.16.1 192.168.16.1 20  
192.168.16.0 255.255.255.0 192.168.16.2 192.168.16.2 20  
192.168.16.1 255.255.255.255 127.0.0.1 127.0.0.1 20  
192.168.16.2 255.255.255.255 127.0.0.1 127.0.0.1 20  
192.168.16.255 255.255.255.255 192.168.16.1 192.168.16.1  
20  
192.168.16.255 255.255.255.255 192.168.16.2 192.168.16.2  
20  
224.0.0.0 240.0.0.0 192.168.16.1 192.168.16.1 20  
224.0.0.0 240.0.0.0 192.168.16.2 192.168.16.2 20  
255.255.255.255 255.255.255.255 192.168.16.1  
192.168.16.1 1  
255.255.255.255 255.255.255.255 192.168.16.2  
192.168.16.2 1  
Default Gateway: 192.168.16.254  
=====

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Persistent Routes:  
None

Tracert from Ireland server to UK server :

Tracing route to asa2.uk.lan [192.168.44.6]  
over a maximum of 30 hops:

1 2 ms 2 ms 1 ms 192.168.16.254  
2 117 ms 114 ms 115 ms asa2.uk.lan [192.168.44.6]

Trace complete.

ipconfig /all of server in the UK:

#### Windows IP Configuration

Host Name . . . . . : asa2  
Primary Dns Suffix . . . . . : UK.lan  
Node Type . . . . . : Unknown  
IP Routing Enabled. . . . . : No  
WINS Proxy Enabled. . . . . : No  
DNS Suffix Search List. . . . . : UK.lan

Ethernet adapter Local Area Connection:

Connection-specific DNS Suffix . :  
Description . . . . . : Intel(R) PRO/1000 MT Network  
Connection  
Physical Address. . . . . : 00-XX-XX-XX-XX-XX  
DHCP Enabled. . . . . : No  
IP Address. . . . . : 192.168.44.6  
Subnet Mask . . . . . : 255.255.255.0  
Default Gateway . . . . . : 192.168.44.29  
DNS Servers . . . . . : 192.168.44.5  
192.168.44.8

Route table for UK server:

#### IPv4 Route Table

=====

#### Interface List

0x1 ..... MS TCP Loopback interface  
0x10003 ...00 xx xx xx xx xx ..... Intel(R) PRO/1000 MT  
Network  
Connection  
=====

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Active Routes:

```
Network Destination Netmask Gateway Interface
Metric
0.0.0.0 0.0.0.0 192.168.44.29 192.168.44.6 10
127.0.0.0 255.0.0.0 127.0.0.1 127.0.0.1 1
192.168.44.0 255.255.255.0 192.168.44.6 192.168.44.6 10
192.168.44.6 255.255.255.255 127.0.0.1 127.0.0.1 10
192.168.44.255 255.255.255.255 192.168.44.6 192.168.44.6
10
224.0.0.0 240.0.0.0 192.168.44.6 192.168.44.6 10
255.255.255.255 255.255.255.255 192.168.44.6
192.168.44.6 1
Default Gateway: 192.168.44.29
```

=====  
Persistent Routes:

None

tracert from uk to ireland:

Tracing route to OSERVER.IRELAND.LOCAL

[192.168.16.2]

over a maximum of 30 hops:

```
1 <1 ms <1 ms <1 ms 192.168.44.29
2 116 ms 114 ms 115 ms 192.168.16.254
3 115 ms 114 ms 114 ms OSERVER.IRELAND.LOCAL
[192.168.16.2]
```

Trace complete.

Thanks again for looking into this, its most puzzling...

"Robert L. (MS-MVP)" wrote:

We need more information to help. posting the result of ipconfig /all and touring table on both VPN servers here may help.

--

Bob Lin, MS-MVP, MCSE & CNE  
Networking, Internet, Routing, VPN  
Troubleshooting on  
<http://www.ChicagoTech.net>  
How to Setup Windows, Network, VPN &  
Remote Access on

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<http://www.HowToNetworking.com>

"MrOrange"

<MrOrange@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

wrote in message

<news:F1A52966-ECCD-476F-B6CA-2D804098463F@xxxxxxxxxxxxxxxxxxxx>

Hi There,

I am hoping that someone can help me with this, as i have no more hair left to tear out.

Allow me to explain.

We have two sites linked via a vpn tunnel, two different domains, one site in the UK and one site in Ireland.

Both sites can ping each others routers and main servers.

RDP works either way

The problem arises when trying to open a network share located in the Ireland site.

For example, sitting on a machine in the uk, open a run command and enter \\192.168.16.2 – after about 30 seconds to a minute i get a error The network path was not found.

If i enter a hidden share ie \\192.168.16.2\c\$ after about 30 seconds a password authentication request box appears asking for credentials. I enter the domain administrator user name and password (which i know are

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correct as i have performed  
a rdp to the same machine)  
and wait after  
about  
30 seconds, the  
authentication requestor is  
back again.

I have also tried various  
combinations of the  
username ie  
administrator@xxxxxxxxxxxxx  
mydomain\administrator  
etc All result in  
a  
brief pause then the  
requestor is back.

Now going from the other  
direction is a different  
matter if i RDP  
onto  
the  
server in Ireland, then open  
the Run command and put  
in a ip for a  
server  
in  
the uk i get another  
password authentication  
request, i enter  
administrator  
and its domain password,  
after a brief moment, i am  
presented with the  
shares  
on that server.