

Re: VPN and DNS issues

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.networking/2008-02/msg00251.html>

- *From:* "Robert L. \ (MS-MVP)" <blinNoEmailplease@xxxxxxxx>
 - *Date:* Tue, 19 Feb 2008 17:09:52 -0600
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First of all, you should have your internal DNS in the VPN server and the VPN server assign the DNS to the client. Another option is setup WINS for name resolution. It is better to have WINS for VPN name resolution. If both internal DNS and WINS are not options for you, you can try mlhosts. I would not use my ISP host my A records. Or the following search results may help.

Name resolution on VPN

Name resolution is big issue in VPN access. If your VPN server doesn't setup correctly or the VPN client can't receive the VPN DNS and WINS settings, ...

www.chicagotech.net/nameresolutionpvpn.htm – Similar pages

VPN name resolution and browsing

Q: VPN name resolution and browsing. After I successfully connect to the VPN Server remotely, I cannot browse the network, and see other computers and ...

www.chicagotech.net/Q&A/vpn1.htm

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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>

"Curtis" <Curtis@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message
news:874028A1-6487-4982-845B-A70D3C8325B8@xxxxxxxxxxxxxxxxxxxx

My appologies if I am posting to the incorrect group, if I am please let me know and I will repost to a more appropriate group.

We have a Microsoft VPN server that has been connected to a T1 for many years now. Just recently it was switched to a new fiber connection from a local ISP. After we switched the connection on the T1 we have been having name resolution issues for our VPN clients. We have a 2003 Exchange server that is accesible via the web and our internal network. When a VPN client pings the Exchange server WHILE connected to the VPN it returns the public IP instead of the private. No other changes have been made other than switching the VPN server to the new ISP and updating the public DNS records for the VPN connection. Currently the VPN server is running Windows Server 2003 SP1.

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Example:

pinging s3.mydomain.net while connected to the VPN returns 65.x.x.x instead of the correct 172.x.x.x internal address.

If a client sets their DNS servers to either the T1 or Fiber connections default DNS servers, then the proper address is returned. However, for most other clients, myself included, when using a default IP of the local CABLE/DSL router it wants to return the public IP address.

A bit more info that may or may not be useful (I have replaced the actual domain name with "mydomain"):

Current public dns records for our exchange server and VPN:

s3.mydomain.net CNAME to host155.mydomain.com resolves to Exchange server public IP.

v1.mydomain.net CNAME to host7.mydomain.com resolves to VPN server public ip address.

a reverse lookup of the exchange server public ip address returns

host155.mydomain.com

a reverse lookup of the VPN server public ip address returns

host7.mydomain.com.

mydomain.net is also our internal active directory name and we are using split brain DNS.

We do not host our own public DNS servers.

No one is using vpn split tunneling.

the new ISP is a wide open connection that allows all traffic to pass with no firewalls or filters between us and them.

If any further information is needed or anyone has any ideas for further tests to run please feel free to ask.

Thank you!