

## Re: Help With DNS Through VPN

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*Source:* <http://www.tech-archive.net/Archive/ISA/microsoft.public.isa/2005-12/msg00101.html>

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- *From:* "Ding Bat" <billyg1943@xxxxxxxxxxx>
  - *Date:* Wed, 7 Dec 2005 16:19:48 +1000
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Thanks, Virgil.

Sorry about the scope change, but this is really one of the goals I was trying to achieve in the first place (use the LAN remotely as though you were there). Thanks for seeing this through. FWIW, I have learned heaps along the way :- ) Topology 1; me 0. I won't be able to rejig this any time soon and will be eating a bit of the old humble pie since I told my client the Cisco 837 was the answer to his prayers. It would have been without ISA and 2 NICs! I'm guessing you'd go the other way: toss the Cisco and use 3NICs + ISA for industrial-strength firewalling/proxy/DMZ. I'm guessing I will too for my next project.

Cheers,

Bill

"ZVR" <nospamever@xxxxxx> wrote in message  
[news:GfadnZeCVpS\\_6AvenZ2dnUVZ\\_tydZ2d@xxxxxxxxxxxxxx](news:GfadnZeCVpS_6AvenZ2dnUVZ_tydZ2d@xxxxxxxxxxxxxx)

>

> No that's not why it fails. And this is completely different from a simple  
> DNS query. You are trying to work as you were in the LAN. In order for  
> Windows Networking to work like that you need a whole lot of things to  
> happen first, which in your case don't happen and never will – read on for  
> details.

>

>> Worse, I can't ping anything on that network either. Is this because of  
>> NAT between the external and internal interfaces?

>

> Yes.

>

> But you do get the IP correctly from the FQDN. All this while using the  
> external SBS IP as your DNS server in INetQuery, correct? If yes then we  
> got past the initial problem of making the DNS server on the external SBS  
> NIC available to VPN clients. Similarly if you ping the FQDN of one of the  
> hosts on the internal LAN you will see it's being resolved correctly, but  
> PING doesn't go through – because of NAT and your entire topology.

>

Only the server FQDN will resolve (to the external interface of the server),  
no other hosts will resolve.

> Now on to the "real" issue here which is the fact that you don't have  
> communication between the Cisco VPN clients and your ISA server. I am  
> sorry to tell you that you will never be able to do this with ISA2000,

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- > unless you create a separate network between your Cisco VPN server and a
- > 3rd NIC on the SBS machine configured as a DMZ network. This is probably
- > too complicated anyway so if I were you I would do one of two things:
- > –Either configure ISA as the VPN server and logon directly to ISA; then
- > remote clients will have no problem connecting to the internal LAN. This
- > would be my preferred method. Most likely you would have to start using
- > the Microsoft VPN client though; it can also be done with the Cisco VPN
- > client but it is very complicated and unreliable in my experience.
- > –Or, bring ISA in the front, as your "edge" device with a public IP and
- > direct connection to Internet, and place the "internal" interface of your
- > Cisco VPN concentrator on the LAN, so that when remote clients log on to
- > the VPN provided by Cisco, they are "on the LAN" already.
- >
- > Other than that... not much to do. Keyword here is topology re–design...
- > there's really no workaround to that.
- >
- > Good luck,
- > Virgil
- >
- >

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### • *Follow–Ups:*

- ◆ **Re: Help With DNS Through VPN**  
◇ From: ZVR

### • *References:*

- ◆ **Help With DNS Through VPN**  
◇ From: Ding Bat
- ◆ **Re: Help With DNS Through VPN**  
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