

Re: Multi-homed server and VPN

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.networking/2004-04/1036.html>

From: NeoAdmin (*anonymous_at_discussions.microsoft.com*)

Date: 04/28/04

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The idea was to separate the LAN traffic from the VPN traffic. (not mine, I was advised to do so) LAN packets bound for the Internet go to the gateway 192.168.1.251, the LAN NIC of a Linux box serving as a firewall, then through another Linksys router, and finally through a cable modem to the 'net. (I just inherited this topology, and have to trust it is all necessary. If it were solely up to me, I would bag the Linux box, the second Linksys, and just use the VPN Linksys for everything. The other admin is concerned that having only the Linksys between the LAN and the 'net would pose a security risk, and I have not enough experience to argue with him. Although, it does seem to me that that is exactly what we are doing with the VPN Linksys anyway.) In any case, if I remove the default gateway from the NIC on 192.168.1.x, does that mean the server will use the gateway on the VPN NIC for Internet access? Also, I have 192.168.1.251 as the router setting in DHCP properties, so I assume DHCP clients will still be using that as their default gateway. (Did I mention the 2003 server is also the DHCP server for the LAN?) Finally, do I set up static routes on the VPN Linksys, the 2003 server in RRAS, or both?

>-----Original Message-----

> *You should not have a default gateway configured on your "private" NIC*

> *(192.168.1.x) . The only default route of this server should be to the*

> *Internet router.*

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> *In fact I cannot see any reason to have this router at all. You should*

> *be able to do this from your Internet router. Set all client machines to use*

> *the Internet router as their default. On the Internet router, configure a*

> *static route to redirect traffic for the VPN-connected*

site to the VPN

>router.

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> For instance, if the subnet across the VPN link is
192.168.5.0/24, add a

>static route

>

> 192.168.5.0 255.255.255.0 192.168.2.1

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> "NeoAdmin" <anonymous@discussions.microsoft.com> wrote in
message

>news:48da01c42bce\$0cfe8280\$a101280a@phx.gbl...

>> Server: win2k3, two NICs. NIC 1 is on 192.168.1.x, the

>> same network as the LAN. It has a default gateway of

>> 192.168.1.251, the LAN IP address of the router, so that

>> hosts on the LAN can get to the internet. NIC 2 is on

>> 192.168.2.x with default gateway of 192.168.2.1, the LAN

>> IP of the other router, a VPN-capable Linksys we use for

>> remote access. I have heard that mutiple default

gateways

>> on the same server is a No-No, but do not understand

why.

>> Everything is working correctly, as far as I can tell,

>> except that hosts on the VPN network, can only see

>> themselves and the server in Network Neighborhood, and

in

>> fact cannot reach any other hosts on the 192.168.1.x

>> network. How do I correct this? I have enabled routing

>> on the server, but there must be something else, because

>> it ain't workin'. Removing either of the default

gateways

>> is not an option, because doing so kills either internet

>> access for the LAN or kills the VPN. Someone with the

>> knowledge, willing to provied a little detail, please

>> respond.

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