

# Re: VPN Gateway

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*Source:*

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.networking/2007-05/msg00338.html>

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- *From:* Tiago <Tiago@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>
  - *Date:* Wed, 23 May 2007 02:11:01 -0700
- 

So, my RRASS is using DHCP wich is provided by DC of my lan(i configure as a CHCP Relay Agent) and gives the correct address to my remote clients, and i configure thit static route:

Interface: 192.168.0.27 (is the public interface)  
Destination: 192.168.0.0  
Network Mask: 255.255.255.255  
Gateway: 192.168.0.1 (is my lan gateway)  
Metric: 1

With this configuration i can't ping any of my Lan ip's. But it's seems that i have the correct ip:

the ip for my remote client:

ip: 192.168.0.164  
subnetmask: 255.255.255.255  
gateway: 192.168.0.164  
dns: 192.168.0.11 (is my lan dhcp)  
wins: 192.168.0.11 (is my lan wins)

what i'm doing wrong?

PS: enable ip routing is checked

"Bill Grant" wrote:

If you set the RRAS server to use DHCP, the RRAS server leases a batch of addresses from DHCP to use as its address pool. The clients do not get their network config directly from DHCP, but from the RRAS server as part of the PPP setup. Since these addresses come from your DHCP server they are in the same IP subnet as your LAN machines.

To put the remotes in their own subnet you use the static address pool instead. Set up a pool of addresses in another IP subnet (say 192.168.21.1 to 192.168.21.20). The inernal interface in RRAS and the client(s) will now

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get IP addresses in this subnet.

To route between the remotes and the LAN you need to enable IP routing on the RRAS server. You might also need extra routing on the LAN if the RRAS server is not the default gateway of your LAN.

"Tiago" <Tiago@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message  
[news:B23E79F1-E85E-4296-9B21-365475435297@xxxxxxxxxxxxxxxxxxxxx](mailto:news:B23E79F1-E85E-4296-9B21-365475435297@xxxxxxxxxxxxxxxxxxxxx)

Thanks for your answer bill....

so my question is, how can i put the remote users in their own IP subnet and route this subnet through the VPN server ??

My network ip is 192.168.0.X and my VPN Server have 2 ip's on for external and one for internal...

can you help-me? thanks again

"Bill Grant" wrote:

A remote access connection (dialup or VPN) just gives you an IP connection between the client and the server. If you can ping the server, your VPN connection is working.

You have given your remote client an IP address in the same IP subnet as the LAN machines. This is called on-subnet addressing. Networking to machines on the LAN depends on the VPN server doing proxy ARP on the LAN. The VPN server acts as a proxy for the remote machine, sending the packets across the point-to-point link. Some switches do not handle this very well. If this is your problem you will need to put the remote users in their own IP subnet and route this subnet through the VPN server (ie off-subnet addressing).

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"Tiago" <Tiago@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message  
news:1A19E527-D753-4E55-B0AE-20C66B3225AB@xxxxxxxxxxxxxxxxxxxx

But Why i can't ping other computers in my network? even the dns servers i can't ping?

what i should do?

Thanks

"Bill Grant" wrote:

No it should not! The gateway you see is correct. The gateway address should be the received IP address. This indicates that the gateway address of the VPN client is the PPP interface, which is what you want it to be. Traffic which is not local will go across the PPP link. Whatever your problem is (and you didn't say what it was), the gateway address is not the cause.

"Tiago"  
<Tiago@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>  
wrote in message  
news:C172E77D-F132-4CF9-8108-7B08DA6B8B82@xxxxxxxxxxxxxxxxxxxx

Goo Day to  
All,

I create a  
vpn and all  
configuration

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are ok,  
except the  
gateway

so my  
ipconfig /all  
are:

PPP adapter  
GMMP:

Connection-specific

DNS Suffix

. : tiago.loc

Description

.....

. : WAN

(PPP/SLIP)

Interface

Physical

Address. . .

.....:

00-35-51-00-00-00

Dhcp

Enabled. . .

.....:

No

IP Address.

.....

. :

192.168.0.176

Subnet

Mask . . . .

.....:

255.255.255.255

Default

Gateway . .

.....:

192.168.0.176

DNS

Servers . . . .

.....:

192.168.0.11

192.168.0.11

Primary

WINS

Server . . . .

...:

192.168.0.11

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What is  
wrong is  
that  
gateway  
should be  
192.168.0.1  
and not my  
own  
ip  
address,  
how can i  
change that  
gateway  
configuration?

Thanks