

Re: Remote SiteB to VPN over internet to SiteA AND Browse internet

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.networking/2006-03/msg00271.html>

- *From:* "Bill Grant" <not.available@online>
 - *Date:* Wed, 15 Mar 2006 10:51:54 +1100
-

OK. What you really have to do is set the machines in site B to access the Internet using NAT rather than using the proxy server at site A.

Exactly how you do that depends on your config. There are basically two options.

1. You use the DSL router as the gateway for the local LAN and redirect site A traffic to the RRAS router. The DSL router does NAT for the workstations. In this setup you only have one NIC in the RRAS machine and forward the VPN traffic from the router to the RRAS server.
2. You use the RRAS router as the default gateway for the LAN machines. In this case you need to enable LAN routing on the RRAS server. You also need extra routing on the DSL router to get traffic to the "private" LAN (which is in a different subnet from the DSL router).

There is a third option which is to configure the RRAS router to do NAT. This works but is inefficient, because you are doing NAT twice (once at the RRAS router and again at the DSL router). I use this method for a test system using virtual machines which only rarely needs Internet access. If you cannot program your DSL router to do port forwarding or add static routes, this is the method you will need to use.

Case 1.

```
Internet
|
DSL NAT router (static route <site A IP range and netmask> 192.168.0.n)
192.168.0.1
|
workstations
192.168.0.x dg 192.168.0.1
|
RRAS
192.168.0.n dg 192.168.0.1
```

Case 2.

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Internet

|
DSL NAT router (static route 192.168.10.0 255.255.255.0
192.168.0.2)
192.168.0.1
|
192.168.0.2 dg 192.168.0.1
RRAS (VPN and LAN router)
192.168.10.1 dg blank
|
workstations
192.168.10.x df 192.168.10.1

Case 3?

Internet

|
DSL NAT router
192.168.0.1
|
192.168.0.2 dg 192.168.0.1
RRAS NAT
192.168.10.1 dg blank
|
workstations
192.168.10.x dg 192.168.10.1

GFowl wrote:

Thanks for the responses.
RRAS is set up at both sites, and communicate through VPN tunnel.
Site B route all traffic to site A, through VPN tunnel

Have new responsibility of Network, always been just servers and
systems in the past, little new on the routing thing...

"Robert L [MS-MVP]" wrote:

Bill,

Thank you for the detail input.

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> "Bill Grant" <not.available@online>
wrote in message news:u2p1GkvRGHA.1576@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

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To expand on Bob's comments, we really need to know what you are using for Internet access at site A. To get this to work requires a site to site (sometimes also called router to router or LAN to LAN) VPN link. You cannot simply set this up at site B. It needs to be correctly configured at both ends of the link. The router at site A needs to know how to route traffic for site B through the tunnel (not directly out to the Internet).

If you have a RRAS router at site A, you can use the Microsoft RRAS solution. Trying to configure it between different systems (even RRAS and ISA server) is not easy.

A routed site to site connection will do what you want. Traffic destined for the "other" site will be routed through the VPN tunnel. Other traffic will go out to the Internet as usual.

Robert L [MS-MVP] wrote:

> do you have windows site to site VPN? posting the routing table 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

> <http://www.HowToNetworking.com>

> "GFowl" <GFowl@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message

>

> news:26C87790-63D6-4C89-977E-FF481941C0F3@xxxxxxxxxxxxxxxxxxxx

> GOAL: Want users at a remote site to be able to browse the internet > via their

> own DSL internet connection while at the same time VPN all internal > traffic

> to main site over WAN.

> Currently there is just the one VPN connection setup, all traffic > including

> internet use utilizes it.

>

> 2003 Server with RRAS at Remote Site B has an External and Internal > NICs,

> and VPN connection to Site A. Site B is our small, remote site, > they connect

> over internet DSL connection via the VPN to access Exchange and > other

> services on the WAN.

> I want to allow there internet access of non-local site to go > directly out

> their own internet connection (RRAS Server, DSL Router to Modem, to > the

> internet). They are currently pointing to a proxy server at the > Main Site,

> Site A.

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- > Can't figure out how to do it on the server, any help would be
- > appreciated.
- > The clients at the site have the server as their default gateway. > I know its
- > probably something simple, any help or leads would be appreciated