

Re: VPN Client

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.sbs/2006-02/msg01912.html>

- *From:* v-criminal@xxxxxxxxxxxxxxxxxxxxxxxx ("Crina Li")
 - *Date:* Fri, 10 Feb 2006 09:57:15 GMT
-

Hi Adam,

Thanks for your update.

Regarding the router port forward issue, you should point the port 1723 to external NIC of SBS on router.

For the issue you will lose your connection with Remote Desktop after creating VPN to SBS, it may occur if you configure the VPN connection to use the default gateway on the remote network. This setting overrides the default gateway settings that you specify in your Transmission Control Protocol/Internet Protocol (TCP/IP) settings. All the traffic on remote client will go VPN after VPN is created.

To solve the problem, you may need to change the default gateway of SBS predefined VPN connection. In order to provide higher security, Connection Manager does not have the option to display this option. To change this setting, we need to edit the configuration file. Please try the following:

1. Install the SBSpackage on the client. On the client computer, Locate the following folder:

C:\Documents and Settings\\Application
Data\Microsoft\Network\Connections\Cm\remote\

2. Use Notepad to open the remote.cms file. It is in plain text format.

3. Locate Gateway_On_Remote

Note: there are several "Gateway_On_Remote"

4. Change all Gateway_On_Remote=1 to Gateway_On_Remote=0

5. Save this file.

6. Reconnect with Connection Manager and the default gateway will not be changed.

Re: VPN Client

Related information:

317025 You Cannot Connect to the Internet After You Connect to a VPN Server
<http://support.microsoft.com/?id=317025>

291950 Connection Manager Route Management
<http://support.microsoft.com/default.aspx?scid=kb;EN-US;291950>

I am appreciated your time and look forward to hearing from you.

Best regards,

Crina Li (MSFT)

Microsoft CSS Online Newsgroup Support

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=====
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Microsoft engineers can only focus on one issue per thread. Although we provide other information for your reference, we recommend you post different incidents in different threads to keep the thread clean. In doing so, it will ensure your issues are resolved in a timely manner.

For urgent issues, you may want to contact Microsoft CSS directly. Please check <http://support.microsoft.com> for regional support phone numbers.

Any input or comments in this thread are highly appreciated.

=====
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| From: "Adam Hudson" <abmudson@xxxxxxxxxxxx>
| Subject: Re: VPN Client
| Date: Fri, 10 Feb 2006 11:40:19 +1100
| Newsgroups: microsoft.public.windows.server.sbs
|
| Hi Crina

Re: VPN Client

Re: VPN Client

|
| Thanks for the advice. The only thing I am not sure of is if you have 3
| different users connected from the same site into the same remote SBS, on
| the router you need to open Port 1723 and most Netgear Routers ask you to
| point that port to a particular local IP Address. If you opened port 1723
| and have 3 rules saying if something uses Port 1723 to point it to the 3
| local IP Addresses (eg 192.168.0.2 & 192.168.0.3 & 192.168.0.4) will it
| work? I thought you could only point each port number to 1 local computer
| and not to 3? I may be wrong.

|
| The other thing I am worried about is the VPN taking over the uplink in
| the
| ADSL connection. The connection we have is a 1500/256K connection on both
| ends. Are you able to limit this to only using 50% of the available
| uplink?

| I had a problem with this as I remote desktop'd into my PC at home and
| setup
| the VPN. When I clicked on the VPN and it connected, I lost my connection
| with Remote Desktop as I believe the VPN took over the uplink side of my
| DSL
| connection and therefore I lost my Remote Desktop connection.

| Any help on the above issues would be very helpful.

| Thanks in advance.

| Adam

|
| ""Crina Li"" <v-crinal@xxxxxxxxxxxxxxxxxxxxxx> wrote in message
| news:TfYIwgULGHA.3052@xxxxxxxxxxxxxxxxxxxxxxxxxx

| > Hi Adam,

| >

| > Thanks for your reply.

| >

| > To allow VPN, you actually need to open outbound 1723 port on remote
| > client

| > computers. For the issue of simultaneous VPN, you can VPN to SBS at the
| > same time from 3 different remote client computers on the same location
| > because the 3 computers VPN to SBS using different source port and then
| > created connection with SBS and they also have a unique Call ID for the
| > connection.

| >

| > The default maximum connection number is 5. You can increase the number.

| > Open Routing and Remote Access console, navigate to ports snap-in.

| > Right-click it and choose 'Properties'. Double-click WAN Miniport
| (PPTP).

| > Change the maximum port number to 10. Click 'OK' to close the dialog
| > boxes.

| > After doing this, restart the RRAS.

| >

Re: VPN Client

|> Hope it helps and I look forward to hearing from you.
|>
|> Best regards,
|>
|> Crina Li (MSFT)
|>
|> Microsoft CSS Online Newsgroup Support
|>
|> Get Secure! – www.microsoft.com/security
|>
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|>
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|> -----
|> | From: "Adam Hudson" <abmudson@xxxxxxxxxxx>
|> | References: <ubvYuSBLGHA.2704@xxxxxxxxxxxxxxxxxxxxxxxx>
|> | <Xq#bdZHLGHA.608@xxxxxxxxxxxxxxxxxxxxxxxx>
|> | <eiHifRRLGHA.1028@xxxxxxxxxxxxxxxxxxxxxxxx>
|> | <hi09FsRLGHA.608@xxxxxxxxxxxxxxxxxxxxxxxx>
|> | Subject: Re: VPN Client

Re: VPN Client

> | Date: Thu, 9 Feb 2006 13:47:38 +1100
> | Lines: 257
> | X-Priority: 3
> | X-MSMail-Priority: Normal
> | X-Newsreader: Microsoft Outlook Express 6.00.2900.2670
> | X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2900.2670
> | X-RFC2646: Format=Flowed; Original
> | Message-ID: <exLNzMSLGHA.3424@xxxxxxxxxxxxxxxxxxxxxxxx>
> | Newsgroups: microsoft.public.windows.server.sbs
> | NNTP-Posting-Host: adsl-32-17.swiftdsl.com.au 218.214.32.17
> | Path: TK2MSFTNGXA01.phx.gbl!TK2MSFTNGP08.phx.gbl!TK2MSFTNGP12.phx.gbl
> | Xref: TK2MSFTNGXA01.phx.gbl microsoft.public.windows.server.sbs:243169
> | X-Tomcat-NG: microsoft.public.windows.server.sbs
> |
> | Hi Crina
> |
> | Thanks for your help. I spoke to Netgear who advised me that GRE
> | Protocol
> | is
> | enabled. I worked out that you had to have Port 1723 open on both ends
> | and
> | not just the server side. Once I opened Port 1723 on the external
> | computer
> | it allowed the VPN connection to work.
> |
> | I am wondering as I have not tried this as yet, if you want to have 3
> | staff
> | situated in an interstate office all VPN in at one time, can this
> | happen?
> | They will all be VPNing from the same Internet connection. I dont
think
> | will
> | work as you need to tell the router which local IP Address to send
Port
> | 1723
> | to and I dont think you can tell it 3 different IP Address for Port
1723
> | but
> | I may be wrong.
> |
> | Regards
> |
> | Adam
> |
> | ""Crina Li"" <v-crinal@xxxxxxxxxxxxxxxxxxxxxxxx> wrote in message
> | news:hi09FsRLGHA.608@xxxxxxxxxxxxxxxxxxxxxxxx
> | > Hi Adam,
> | >
> | > Thanks for your update.
> | >
> | > As I know, to enable GRE Protocol 47 is based on the router. Some

Re: VPN Client

|> router
|> |> has no such function. For detailed configuration, you may need to
|> contact
|> |> the hardware vendor.
|> |>
|> |> Also I provide the following KB articles for your reference:
|> |>
|> |> 241251 VPN Tunnels – GRE Protocol 47 Packet Description and Use
|> |> <http://support.microsoft.com/default.aspx?scid=kb:EN-US:241251>
|> |>
|> |> 241252 VPN Tunnels – PPTP Protocol Packet Description and Use
|> |> <http://support.microsoft.com/default.aspx?scid=kb:EN-US:241252>
|> |>
|> |> 888201 You receive an "Error 721" error message when you try to
|> establish
|> |> a
|> |> VPN connection through your Windows Server–based remote access
server
|> |> <http://support.microsoft.com/default.aspx?scid=kb:EN-US:888201>
|> |>
|> |> Thanks for your time and I look forward to hearing from you.
|> |>
|> |> Best regards,
|> |>
|> |> Crina Li (MSFT)
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|> |> | From: "Adam Hudson" <abmudson@xxxxxxxxxxxx>
|> |> | References: <ubvYuSBLGHA.2704@xxxxxxxxxxxxxxxxxxxx>
|> |> | <Xq#bdZHLGHA.608@xxxxxxxxxxxxxxxxxxxx>
|> |> | Subject: Re: VPN Client
|> |> | Date: Thu, 9 Feb 2006 12:01:29 +1100
|> |> | Newsgroups: microsoft.public.windows.server.sbs
|> |> |
|> |> | How so you enable IP Protocol 47? I have forwarded port 1723 to
the
|> |> server
|> |> | through the modem but still cant work out where to configure IP
|> Protocol
|> |> 47..
|> |> |
|> |> |
|> |> | ""Crina Li"" <v-crinal@xxxxxxxxxxxxxxxx> wrote in message
|> |> | <news:Xq%23bdZHLGHA.608@xxxxxxxxxxxxxxxxxxxx>
|> |> |> Hi Robert,
|> |> |>
|> |> |> Thank you for posting in SBS newsgroup.
|> |> |>
|> |> |> From your description, my understanding on this issue is: you
|> cannot
|> |> |> establish the VPN connection to the SBS server by using the
|> |> |> 'Connection
|> |> |> Manager' from external clients. If I have misunderstood your
|> concern,
|> |> |> please do not hesitate to let me know.
|> |> |>
|> |> |>

Re: VPN Client

|> |> |> Would you please help me confirm if you have followed the steps
|> below
|> |> to
|> |> |> configure VPN access on an SBS environment?
|> |> |>
|> |> |> 1. Run CEICW, follow the wizard and select Enable firewall and
|> then
|> |> make
|> |> |> sure Virtual Private Networking (VPN) is selected in the
Services
|> |> |> Configuration page. And make sure you have typed the public
FQDN
|> of
|> |> the
|> |> |> SBS
|> |> |> server on the Web Server Certificate page.
|> |> |> 2. Run Remote Access Wizard in Server Management\Internet and
|> |> |> E-mail\Configure Remote Access, and select VPN access in the
|> Remote
|> |> Access
|> |> |> Method page. After finishing this wizard, RRAS is configured to
|> allow
|> |> |> inbound VPN access, and it can assign IP addresses to the VPN
|> clients
|> |> by
|> |> |> using DHCP.
|> |> |>
|> |> |> Note: When we run the remote access wizard to set up the VPN
|> service,
|> |> we
|> |> |> need to input the public IP address or the public FQDN of the
SBS
|> |> server.
|> |> |> We need to make sure that the address can be accessed from the
|> |> internet.
|> |> |>
|> |> |> 3. On the VPN client, go to <https://publicFQDN/remote>, clear I'm
|> using
|> |> a
|> |> |> public or shared computer, log in and download Connection
Manager.
|> |> |> 4. Install Connection Manager on the VPN client.
|> |> |> 5. Is there a hardware router installed in front of the SBS
|> server?
|> If
|> |> so,
|> |> |> ensure that the port forwarding for TCP 1723 and GRE port
|> (protocol
|> |> number
|> |> |> 47) are opened. PPTP VPN is negotiating a connection on TCP port
|> 1723

Re: VPN Client

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|> |> and
|> |> |> send data to and from the PPTP server using the GRE protocol (IP
|> |> Protocol
|> |> |> 47, 0x2F if you are looking in Network Monitor). You should open
|> port
|> |> 1723
|> |> |> on the router and also make sure IP Protocol 47 is allowed.
|> |> |>
|> |> |> For detailed information, you can refer to the following KB
|> articles:
|> |> |>
|> |> |> 323381 How to Allow Remote Users to Access Your Network in
Windows
|> |> Server
|> |> |> 2003
|> |> |> <http://support.microsoft.com/?id=323381>
|> |> |>
|> |> |> 323441 How To Install and Configure a Virtual Private Network
|> Server
|> |> in
|> |> |> Windows
|> |> |> <http://support.microsoft.com/?id=323441>
|> |> |>
|> |> |> If you still cannot establish the VPN connection, please help
me
|> to
|> |> |> collect
|> |> |> the following information for troubleshooting the problem:
|> |> |>
|> |> |> 1. What's the VPN server name you entered when you ran the
Remote
|> |> Access
|> |> |> Wizard? Can you ping that name from the external client? The VPN
|> |> server
|> |> |> name should be the public FQDN or the public IP address of the
SBS
|> |> server.
|> |> |> 2. Can you create VPN to SBS through new connection wizard on My
|> |> Network
|> |> |> Places on external client?
|> |> |> 3. Get the IPCONFIG /ALL results when Creating VPN on client
|> computer
|> |> and
|> |> |> SBS.
|> |> |> 4. Can you ping the server name and IP from the problematic
|> client?
|> |> |> 5. Would you please post a screen shot to newsgroup?
|> |> |>
|> |> |> I am appreciated your time and I look forward to hearing from
you.
|> |> |>

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|> |> |> Best regards,
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