

# Re: VPN Client

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*Source:*

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.sbs/2006-02/msg01664.html>

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- *From:* [v-crinal@xxxxxxxxxxxxxxxxxxxxxxxx](mailto:v-crinal@xxxxxxxxxxxxxxxxxxxxxxxx) ("Crina Li")
  - *Date:* Thu, 09 Feb 2006 07:12:25 GMT
- 

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.

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](http://www.microsoft.com/security)

=====  
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issue.

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>  
| References: <ubvYuSBLGHA.2704@xxxxxxxxxxxxxxxxxxxxxx>  
<Xq#bdZHLGHA.608@xxxxxxxxxxxxxxxxxxxxxx>  
<eiHifRRLGHA.1028@xxxxxxxxxxxxxxxxxxxxxx>  
<hi09FsRLGHA.608@xxxxxxxxxxxxxxxxxxxxxx>  
| Subject: 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@xxxxxxxxxxxxxxxxxxxxxx>  
| 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

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| 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@xxxxxxxxxxxxxxxxxxxxxx> wrote in message  
| [news:hi09FsRLGHA.608@xxxxxxxxxxxxxxxxxxxxxx](mailto:news:hi09FsRLGHA.608@xxxxxxxxxxxxxxxxxxxxxx)

| > Hi Adam,

| >

| > Thanks for your update.

| >

| > As I know, to enable GRE Protocol 47 is based on the router. Some 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)

| >

| > Microsoft CSS Online Newsgroup Support

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| > =====

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|> | From: "Adam Hudson" <abmudson@xxxxxxxxxxxx>  
|> | References: <ubvYuSBLGHA.2704@xxxxxxxxxxxxxxxxxxxxxx>  
|> | <Xq#bdZHLGHA.608@xxxxxxxxxxxxxxxxxxxxxx>  
|> | 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  
|> | Protocl  
|> | 47..  
|> |  
|> |  
|> | ""Crina Li"" <v-crinal@xxxxxxxxxxxxxxxxxxxxxx> wrote in message  
|> | <news:Xq%23bdZHLGHA.608@xxxxxxxxxxxxxxxxxxxxxx>  
|> |> 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

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|> 'Connection  
|> |> Manager' from external clients. If I have misunderstood your  
concern,  
|> |> please do not hesitate to let me know.  
|> |>  
|> |> 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  
|> 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

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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.

|> |>

|> |> Best regards,

|> |>

|> |> Crina Li (MSFT)

|> |>

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|> |> -----  
|> |> | From: "Robert Craig" <craigrobert@xxxxxxx>  
|> |> | Subject: VPN Client  
|> |> | Date: Tue, 7 Feb 2006 10:31:05 -0800  
|> |> | Newsgroups: microsoft.public.windows.server.sbs  
|> |> ||  
|> |> | I'd say about 9 out of 10 tries to VPN to my server from another  
|> |> location  
|> |> | fails. The connection just sits at verifying username and  
password  
|> and  
|> |> | eventually gives up. Sometimes the error is the remote computer

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did

|> not

|> |> | respond, the other is the server and client could not agree on a

|> PPTP

|> |> | connection. What could be wrong?

|> |> |

|> |> | Using SBS2003

|> |> |

|> |> | Thanks!

|> |> |

|> |> | Robert

|> |> |

|> |> |

|> |> |

|> |>

|> |

|> |

|> |

|>

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|

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