

# RE: VPN & SQL Issue

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*Source:*

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.sbs/2005-09/msg01880.html>

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- *From:* "Joel" <Joel@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
  - *Date:* Wed, 7 Sep 2005 12:52:03 -0700
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I think you hit the nail on the head. We are going to implement either ISA or another monitoring utility in a few months. In order to audit internet usage. For now our firewall offers more than sufficient security. As for "Drop in" mode, I don't believe our Firewall has that function. But out of curiosity why would you want your public ip on the lan & wan simultaneously?

"Leythos" wrote:

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> In article <89D06AC2-810A-4113-A43B-CF891B8289D9@xxxxxxxxxxxxxx>,
> Joel@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx says...
>> Hi Charles,
>>
>> thanks for your response. Here is some more information about my network
>> setup.
>>
>>>Issue description:
>>>=====
>>>
>>>I understand that you want to access the SQL database on the SBS 2000 via
>>>VPN connection establishing from SBS 2003.
>> Correct
>>
>>>Analyzing and suggestion:
>>>=====
>>>
>>>Can I assume that you connect to SBS via VPN connection, then you could not
>>>access the SQL database via the file link on SBS 2003.
>> Correct
>>
>>>Generally speaking, this should be a DNS or WINS issue.
>>>As you access the SQL database through local network, you need to resolve
>>>the remote SBS 2000 server via either FQDN or IP address.
>> SBS 2000 server is resolved through IP address. The link file used to connect
>> to the SBS 2000 server also resolves through IP address.
>>
>>>You need to make sure that the VPN connection to the SBS 2003 domain should
>>>use the default gateway on SBS side but not remote side, or the traffic will
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>>>not through the SBS 2003 default gateway but through default gateway on the  
>>>VPN clients.  
>> As far as I know this is setup correctly. I used the connection manager to  
>> setup VPN on the remote workstations.  
>>  
>>>For your network design:  
>>>  
>>>SBS 2003:  
>>>  
>>>As you have two NICs with one hardware firewall, please make sure that you  
>>>have point the default gateway on the hardware firewall's internal IP or  
>>>you will encounter problem to access outside domain resources.  
>> SBS 2003 External IP-->Watchguard Firewall Internal IP-->RoadRunner Modem  
>>  
>>>SBS 2000:  
>>>  
>>>We recommend use the DNS on SBS 2000 and configure DNS forward to point to  
>>>ISP' DNS or point to your firewall, this will prevent many unexpected DNS  
>>>resolution problem when user access internal resources such as SQL database  
>>>exchange or shared resources.  
>> SBS 2000's default gateway points to the Watchguard Firewall's internal IP.  
>> SBS 2000's preferred DNS points to SBS 2003's internal IP address.  
>> SBS 2000's secondary DNS points to Watchguard Firewall's internal IP address.  
>>  
>>>If the problem still exists, could you describe your network topology more  
>>>clear, if my description below is not correctly.  
>>  
>> Here is my network topology:  
>>  
>> Workstations Workstations Workstations SBS 2000 Server  
>> V V V  
>> V  
>> -----3COM Switches-----  
>> V  
>> SBS 2003 Internal IP Address  
>> V  
>> SBS 2003 External IP Address  
>> V  
>> Watchguard Firewall Internal IP Address  
>> V  
>> Watchguard Firewall External IP Address  
>> V  
>> Road Runner Cable Modem  
>> V  
>> {Internet}  
>> V  
>> VPN Clients  
>  
> I just have one question, why are you using Dual NIC's if you have a  
> WatchGuard Firewall?  
>

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> The WB appliance is a real firewall and unless you are also using ISA,  
> it's doing everything you need.  
>  
> You could also put the WG in Drop-In mode – where the public IP is on  
> the LAN and WAN ports and still provide full protection – since that's  
> the way you're using it anyway (except for the NAT).  
>  
> We never install dual NIC's when we have a firewall appliance, and if we  
> are forced to use Dual NIC's, we install the firewall in DROP-IN mode  
> and then set the rules accordingly.  
>  
>  
>  
> --  
>  
> spam999free@xxxxxxxxxx  
> remove 999 in order to email me  
>  
>  
>

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• **References:**

- ◆ **[VPN & SQL Issue](#)**  
    ◇ From: Joel
- ◆ **[RE: VPN & SQL Issue](#)**  
    ◇ From: "Charles Yang [MSFT]"
- ◆ **[RE: VPN & SQL Issue](#)**  
    ◇ From: Joel

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