

# Re: Secondary DNS and PIX

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  - *Date:* Mon, 11 May 2009 17:19:02 -0700
- 

Yes I have tried different forwarders, in fact when I stated the forwarders that were there were from an old ISP. Of course I updated them with the DNS entries for our current ISP. What is root hints?? (DNS is not my strong point, and neither are firewalls in case that isnt clear yet!)

Here are the results of the BPA, with whatever notes need to be added. I know that not all of these need to be updated, so if you find anything critical please let me know!

All Issues

!!!!!!\*!!!!!!Windows SBS 2003 Service Pack 1 not installed : I DONT NOT UNDERSTAND THIS ONE AS PROPERTIES OF MY COMPUTER CLEARLY STATE MICROSOFT WINDOWS SERVER 2003 FOR SMALL BUSINESS SERVER, SERVICE PACK 2 Windows SBS 2003 SP1 is available. For download information, see <http://go.microsoft.com/fwlink/?linkid=50694>. To order the Windows SBS 2003 cd set (required for Windows SBS 2003 Premium Edition customers), go to <http://go.microsoft.com/fwlink/?linkid=50685>.

ClientApps shared folder path changed :

The path of the client programs folder for the ClientAppsRoot registry key is not the same as the path of the ClientApps shared folder. For information on setting the path for this registry key, see "How to move the client programs folder to another location in Windows Small Business Server 2003" at <http://go.microsoft.com/fwlink/?LinkId=95294>.

Yes this was changed in order to save disk space on C: but to my knowledge is not causing any problems.

POP3 Connector has not been updated :

POP3 Connector does not appear to be at least the Windows SBS 2003 SP1 version.

Receive Side Scaling is enabled :

Receive Side Scaling (RSS) is enabled and should be disabled on Windows SBS 2003. For detailed instructions, see "Disable Receive Side Scaling" section of the knowledge base article "You may experience network-related problems after you install Windows Server 2003 SP2 or the Scalable Networking Pack on a Windows Small Business Server 2003-based computer that has an advanced

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network adapter" at <http://go.microsoft.com/fwlink/?LinkId=95152>.

Task Offloading is enabled :

Task Offloading is enabled and should be disabled on Windows Small Business Server 2003. Change the value of the DisableTaskOffload registry key to 1. For detailed instructions, see the Knowledge Base article "You experience intermittent communication failure between computers that are running Windows XP or Windows Server 2003" at <http://go.microsoft.com/fwlink/?LinkId=95149>. If the DisableTaskOffload registry key does not exist, then manually create this registry key and set its value to 1.

TCP Chimney is enabled :

TCP Chimney is enabled. You should disable TCP Chimney on Windows SBS 2003. To turn off TCP Chimney, use the Netsh.exe command as follows: 1. Click Start, click Run, type cmd, and then click OK. 2. At the command prompt, type: Netsh int ip set chimney DISABLED 3. Press ENTER. 4. Restart the server.

TCPA is enabled :

TCPA is enabled and should be disabled on Windows SBS 2003. Change the EnableTCPA registry value to 0. For detailed instructions, see "Disable offloading support" section of the knowledge base article "You may experience network-related problems after you install Windows Server 2003 SP2 or the Scalable Networking Pack on a Windows Small Business Server 2003-based computer that has an advanced network adapter" at <http://go.microsoft.com/fwlink/?LinkId=95152>.

Windows SharePoint Services 2.0 RTM version installed :

The RTM version of Windows SharePoint Services 2.0 is installed on this server. Windows SharePoint Services SP2 is available.

Small Business registry key exists :

The Small Business registry key exists and should be removed. You should either back up or export this registry key and then delete the Small Business registry key located at HKEY\_LOCAL\_MACHINE\SOFTWARE\Microsoft\Small Business.

CEICW not completed successfully :

The Configure E-mail and Internet Connection Wizard was not completed successfully in the last run.

DNS TimeOut registry key values should be not equal :

The DNS ForwardingTimeOut registry key value should not equal the RecursionTimeOut registry key value. To resolve this issue, install Windows SBS 2003 Service Pack 1 and run the Configure E-mail and Internet Connection wizard.

Microsoft Outlook 2003 missing :

Outlook 2003 should exist in the ClientApps folder. To do so, from the server, click Start, click Control Panel, click Change or Remove Programs, then click Windows Small Business Server 2003. On the component selection page, select Microsoft Outlook 2003.

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MSSQL\$SBSMonitoring instance not SQL Server 2000 SP 4 :  
SBSMonitoring instance should be at SQL Server 2000 Service Pack 4.

MSSQL\$SharePoint instance not using SQL Server 2000 SP 4 :  
The SHAREPOINT instance should be using SQL Server 2000 SP4.

Operating system not updated with the Daylight Savings Time (DST) 2007 update :

You should update the operating system on this server with the Daylight Savings Time 2007 update. For more information, see the Knowledge Base article "August 2007 cumulative time zone update for Microsoft Windows operating systems" at <http://go.microsoft.com/fwlink/?LinkId=95153>.

POP3 Connector snap-in has not been updated :

POP3 Connector snap-in does not appear to be the version from knowledge base article "Error message when you use the POP3 Connector Manager with MMC 3.0: "MMC has detected an error in a snap-in" " at <http://go.microsoft.com/fwlink/?LinkId=95161>.

Windows SBS Backup wizard has not run :

Windows SBS Backup has not been configured. To configure Windows SBS Backup, on the server click Start, and then click Server Management. On the Windows SBS Administration Console, click To Do List, and then in the details pane click Configure Backup.

Of course, I run a different backup solution than NT backup.

"SteveB" wrote:

Have you tried different forwarders or just using root hints as a test? Cris asked about the results from running the SBS BPA--have you done that?

I'm not sure you've given us the hardware specs on the SBS?

"WingCommander" <WingCommander@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message news:FC627B38-68EF-43EA-A393-27F8D3139479@xxxxxxxxxxxxxxxxxxxx

I believe that SBS DNS is overburdened due to the performance counter being maxed to 100%,counters for "total query received" and "total responses sent".

I may be reading these wrong, but I dont think so.

As requested, here is the ipconfig of typical workstation:  
Windows IP Configuration

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Host Name . . . . . : xxxxx-username  
Primary Dns Suffix . . . . . : domain name.local  
Node Type . . . . . : Hybrid  
IP Routing Enabled. . . . . : No  
WINS Proxy Enabled. . . . . : No  
DNS Suffix Search List. . . . . : domain name.local  
domain name.local

Ethernet adapter Local Area Connection 2:

Connection-specific DNS Suffix . : domain name.local  
Description . . . . . : NVIDIA nForce Networking  
Controller  
Physical Address. . . . . : 00-17-31-B9-87-27  
Dhcp Enabled. . . . . : Yes  
Autoconfiguration Enabled . . . . : Yes  
IP Address. . . . . : 192.168.14.105  
Subnet Mask . . . . . : 255.255.255.0  
Default Gateway . . . . . : 192.168.14.254  
DHCP Server . . . . . : 192.168.14.2  
DNS Servers . . . . . : 192.168.14.2  
Primary WINS Server . . . . . : 192.168.14.2  
Lease Obtained. . . . . : Sunday, May 10, 2009 8:15:14 PM  
Lease Expires . . . . . : Wednesday, May 13, 2009 8:15:14  
PM

I have external DNS forwarders set to my ISP's DNS servers

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The reference to the PIX is because the PIX locks up everyday, which is the most obvious symptom of a problem on the network. I am attempting to relieve the burden on the DNS server in an attempt to prove that the internal DNS server is not the issue here.

Thanks  
Wing Commander!!

"kj [SBS MVP]" wrote:

WingCommander wrote:

I have considered this option too, but with a production company of this many people who depend on the network connection, I am weary of doing something like this. I have had CISCO examine the configuration several times, but you are right that it could still be a configuration. I have considered another hardware firewall and may have to do that but only as a last resort.

For now, I know that my DNS is overburdened and needs some relief.  
Thanks for the suggestion

How have you determined that a (SBS) DNS server is overburdened?

Can you post the ipconfig/all from a typical client workstation too?

Have you set a DNS forwarder for the SBS server or are you using root hints?

I'm not sure why the reference to the PIX counters.

"ERG" wrote:

WingCommander wrote:

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this is a  
continuation  
of thread

<http://www.microsoft.com/communities/newsgroups/en-us/default.asp>

I replaced  
and updated  
the pix with  
the latest  
OS and  
patches and  
installed on  
the network  
and I still  
have the  
same  
problem  
with the  
pix locking  
up. But in  
my  
troubleshooting  
I noticed  
that my  
DNS  
counters for  
"total query  
received"  
and "total  
responses  
sent" were  
maxed out  
at 100. My  
questions  
are as  
follows:

1.) any idea  
what the  
counter  
should look  
like for an  
SBS DC  
that  
is running  
DNS that  
has about  
70 clients  
on it?

2.) How can

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I add a secondary DNS server to the SBS network, and how to I configure it to offload some of the DNS burden from the DC? I currently have 2 additional W2K3 machines that I could configure for DNS.

Thanks for the information, assistance and options in advance.

Scott

maybe something in the pix is not configured correctly despite being patched and updated. have you tried using a different firewall by chance?

find an old desktop, put an extra nic in it and install smoothwall (simple, open source network firewall / [smoothwall.org](http://smoothwall.org)). run it for a few days and see if it you still have these same issues.

you can even setup a proxy

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on it to relieve your SBS of  
repeated DNS  
requests.

—  
/kj