

RE: Configuring NTP on PDC of SBS

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.sbs/2006-09/msg00930.html>

- *From:* v-crinal@xxxxxxxxxxxxxxxxxxxxxxxx ("Crina Li")
 - *Date:* Thu, 07 Sep 2006 06:31:34 GMT
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Dear Customer,

Thank you for posting in SBS newsgroup.

From the description, I understand the issue to be: you want to sync the time with external source on SBS. If I have misunderstood your concerns, please do not hesitate to let me know.

As I know, you can follow the KB article to configure SBS as an authority Time server:

816042 How to configure the Windows Time service on a Windows Server 2003-based
<http://support.microsoft.com/?id=816042>

You can also try other time sources.

262680 A List of the Simple Network Time Protocol Time Servers That Are
<http://support.microsoft.com/?id=262680>

If it still occurs, based on my experience, I would like to suggest you try the following suggestions:

A. Make sure the Windows Time service is enabled and started

The Windows Time service will be disabled by CEICW when you have a PPPoE connection which is treated as a non-stable connection. I suggest you click Start->Run, type "services.msc" (without the quotes) and click OK. When the Services snap-in opens, check to make sure the Windows Time service is started and its startup type is set to "Automatic".

B: Make sure ISA is allowing the NTP traffic on UDP port 123 (if you have ISA installed)

If you have ISA server 2000 installed on the SBS 2003 server, please perform the following steps to configure ISA:

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1. In the ISA Server management tool, expand the management nodes that are beneath your server name.
2. Expand the Access Policy branch to view the list of access policies.
3. Right-click IP Packet Filters, point to New, and then click Filter to start the New IP Packet Filter Wizard.
4. Type a descriptive name for the filter (such as "SNTP Allow Filter" (without the quotation marks)), and then click Next.
5. Click Allow packet transmission as the Filter Mode, and then click Next.
6. Click Custom as the filter type, and then click Next.
7. On the Filter Settings page, click UDP for the IP protocol, click "Send receive" for the direction, "All ports" as the local port, click "Fixed port" as the remote port, use port 123 as the remote port number, and then click Next.
8. Keep the default settings by clicking Next through the next two wizard pages, and then click Finish at the Completing The New IP Packet Filter Wizard page.
9. Go to Monitoring\Services and restart the Firewall service. Check if the issue disappears.

For more info, see:

323621 How To Configure the Simple Network Time Protocol (SNTP) on ISA Server

<http://support.microsoft.com/?id=323621>

887355 The server cannot synchronize with an external time source after you run the Configure E-mail and Internet Connection Wizard on Windows Small Business Server 2003

<http://support.microsoft.com/default.aspx?scid=kb;EN-US;887355>

If it is ISA 2004, open the ISA management console, go to Firewall Policy, right click the "SBS Local Host Access Rule" in the right panel, and select Properties. Go to Protocols tab to make sure NTP (UDP) is added.

C. Re-configure the Windows Time service

Open a command prompt and run the following commands to re-configure the time service to sync time with time.nist.gov:

```
w32tm /config /manualpeerlist:time.nist.gov,0x8 /syncfromflags:MANUAL
```

```
w32tm /config /update
```

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```
net stop w32time
```

```
net start w32time
```

D. Make sure the hardware router or firewall is allowing the traffic

Check if you have a hardware router/firewall in front of your SBS server, if so, please open Registry Editor (regedit), go to HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W32Time\Parameters\Type, change the value data from whatever to Nt5DS and restart the W32Time service. Make sure the service's startup type is still set to automatic.

Related information:

Configuring the Time Service to Log When the Time Is Changed
<http://support.microsoft.com/?id=307937>

307897How To Synchronize the Time with the Windows Time Service in Windows XP
<http://support.microsoft.com/default.aspx?scid=kb;EN-US;307897>

I appreciate your time and look forward to hearing from you.

Best regards,

Crina Li (MSFT)

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This newsgroup only focuses on SBS technical issues. If you have issues regarding other Microsoft products, you'd better post in the corresponding newsgroups so that they can be resolved in an efficient and timely manner. You can locate the newsgroup here:
<http://www.microsoft.com/communities/newsgroups/en-us/default.aspx>

When opening a new thread via the web interface, we recommend you check the "Notify me of replies" box to receive e-mail notifications when there are any updates in your thread. When responding to posts via your newsreader, please "Reply to Group" so that others may learn and benefit from your 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

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check <http://support.microsoft.com> for regional support phone numbers.

Any input or comments in this thread are highly appreciated.

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| Reply-To: "Ed Weatherup" <ew@xxxxxxxxxxxx>
| From: "Ed Weatherup" <invalid@xxxxxxxxxxxxxxxx>
| Subject: Configuring NTP on PDC of SBS
| Date: Wed, 6 Sep 2006 12:55:47 +0100
| Lines: 38
| X-Priority: 3
| X-MSMail-Priority: Normal
| X-Newsreader: Microsoft Outlook Express 6.00.2900.2869
| X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2900.2962
| X-RFC2646: Format=Flowed; Original
| Message-ID: <uvC2Hma0GHA.4016@xxxxxxxxxxxxxxxxxxxx>
| Newsgroups: microsoft.public.windows.server.sbs
| NNTP-Posting-Host: mail.intran.co.uk 83.105.27.166
| Path: TK2MSFTNGXA01.phx.gbl!TK2MSFTNGP01.phx.gbl!TK2MSFTNGP02.phx.gbl
| Xref: TK2MSFTNGXA01.phx.gbl microsoft.public.windows.server.sbs:295573
| X-Tomcat-NG: microsoft.public.windows.server.sbs

| Hi

| I'm trying to configure our SBS server to use an external time source
| following the instructions in Article ID 816042.

| Everything *seems* to be OK and I've checked and re-checked the settings
| from the above KB. but when I try ...

| C:\>w32tm /resync /rediscover
| Sending resync command to local computer...
| The computer did not resync because no time data was available.

| ... still no resynching :-(

| I'm no longer getting W32Time event 12 in the system event (hurrah!) but
| still ...

| So far I have ...

- | 1. checked that I can ping the time servers (ntp.demon.co.uk)
- | 2. telnet'd to ntp.demon.co.uk on TCP 123 and seen the packets get
| through
| the ISA firewall
- | 3. Issued countless w32tm /resync and *not* seen any packets going to

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Demon

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| 4. Followed KB 816043 (debug logging for Windows Time) and but nothing is
| being written into the log.

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| Help will be much appreciated.

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| Ed.

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