

Re: Domain Time Sync'ing

Source:

http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.active_directory/2007-10/msg00771

- *From:* "Al Mulnick" <amulnick_No_SPAM@xxxxxxxxxxxx>
 - *Date:* Fri, 12 Oct 2007 11:02:57 -0400
-

Interesting.

One thing to note about your situation: if some of the machines can sync and some cannot, then it seems reasonable that the problem is client-side. You may want to start with the event logs on the clients that don't work.

Good luck,

Al

"Brian Edwards" <BrianEdwards@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message <news:43D7789D-F8EF-4E50-B841-207ED47E8B4D@xxxxxxxxxxxxxxxxxxxx>

Thanks again Al.

After more research, I came across <http://www.msfm.org/board/lofiversion/index.php/t67060.html>. That solved the problem of why the server wasn't sync'ing with an outside source. It's working fine now. There were settings in the Default Domain Controllers Policy, which I was under the impression we no longer employed, fouling up time sync'ing from the PDC to a public NTP server.

Now, some member servers and clients respond positively to the "w32tm /resync /rediscover" command, while many others do not (no time data available). I think I will wait until tomorrow morning to try them again and see if their time will sync to the PDC. No reason it shouldn't, afaik. I checked that no GPOs were setting this policy for clients.

Thanks for the help guys, and if you have any further thoughts, I would love to hear them.

:)

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"Al Mulnick" wrote:

I think the other advice you got was good advice, but just to be sure,
have
a look at the following:

<http://technet2.microsoft.com/windowsserver/en/library/ce8890cf-ef46-4931-8e4a-2fc5b4ddb04710>

<http://technet2.microsoft.com/windowsserver/en/library/a0fcd250-e5f7-41b3-b0e8-240f8236e21010>

Also, be sure your PDCe is at least 2003 SP1 or later. There were some
bugs
similar to what you describe prior to that.

Note that time is UDP and not TCP. You'll want to be sure that your time
is
correctly updating.
Just for curiosity, how do you allow your other devices to sync time?
Your
routers and such?

Last, let us know what you find.

"Brian Edwards" <BrianEdwards@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in
message
<news:04BED403-E132-4BD0-ABC9-C5AEAA4B5B72@xxxxxxxxxxxxxxxxxxxx>

Thank you Al.

The System event log contains warnings averaging about
twice per day,
event
ID 50:

"The time service detected a time difference of greater than
128
milliseconds for 90 seconds. The time difference might be
caused by
synchronization with low-accuracy time sources or by
suboptimal
network
conditions. The time service is no longer synchronized and
cannot
provide
the
time to other clients or update the system clock. When a
valid time
stamp
is

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received from a time service provider, the time service will correct itself."

I'm not sure how to force the time service to attempt a sync with the public NTP source I configured when following the commands Mark suggested. I did stop/start the time service afterwards and no error was generated on the server, but clients still can't sync to the server.

Thoughts?

Thank you.

"Al Mulnick" wrote:

Event logs? What's in the event logs regarding w32time? usually, after startup of the service you'll see entries indicating that it's successfully sync'ing time. Or you'll see entries indicating that it is not. If you see nothing, that's a different issue.

Can you check and let us know?

"Brian Edwards"

<BrianEdwards@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>

wrote in message

news:ABFC5862-FB79-4502-9932-4E58EC60B3FB@xxxxxxxxxxxxxxxxxxxx

1 domain, all Win2k3 servers
2 DC's, shared roles (1 has 4 of the 5 roles, the other has

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the
remaining
role)

We had our PDC crash two months ago. I was able to bring it back online, but only after a complete rebuild. Afterwards I cleaned up Active Directory and got all of the roles straightened out. Dcdiag reports all tests pass on both DC's. However, we've been noticing client clocks out of sync with the servers, which are in sync with each other.

Can someone please start from scratch and tell me what I need to do to get the clients to sync with either of the DC's, which both state that they are successfully advertising themselves as time servers? I've read KB's and posts all day long and have only gotten more and more confused. It's amazing that something this simple requires more than a few clicks of a mouse to get working properly.

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Feel free to bash me, and I
will answer any questions
you have.

TIA

PS – I've tried the "w32tm
/config
/syncfromflags:domhier
/update"
then
stop/start net time on several
different clients and
although those
do
not
error out, the clocks are still
off, even after reboots.