

Re: Big trouble with DC in China

Source:

http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.active_directory/2005-11/msg00377

- From: "Spin" <Spin@xxxxxxxx>
 - Date: Sat, 12 Nov 2005 01:25:07 -0500
-

Ace, PLEASE trim your posts. Otherwise we have to scroll a mile long to find your answer. Which is usually pretty good, btw.

--
Spin

"Ace Fekay [MVP]"

<PleaseSubstituteMyActualFirstName&LastNameHere@xxxxxxxx> wrote in message news:%23CUvodn5FHA.1148@xxxxxxxxxxxxxxxxxxxxxxxx
> In news:44B256F5-4FE3-4F36-8AEF-81B9237479B8@xxxxxxxxxxxxxxxx,
> max98037 <max98037@xxxxxxxxxxxxxxxxxxxxxxxx> made this post, which I then
> commented about below:
>> Please help! Great wisdom is in need
>>
>> We have a branch office in China – which is connected by a
>> firewall-to-firewall IPsec VPN. Our connection is not at all without
>> packet loss, by the way.
>>
>> We have 2 other DCs in the states that support our main offices.
>>
>> I just added a new DC/DNS/WINS server to support our branch office in
>> China. I have added a site with the subnet and configured links.
>> Since then, this server has so many errors in the event logs (KCC,
>> DNS, FRS) that I wouldn't know where to start. But I'll list a few
>> anyway:
>>
>>

>> Event Type: Warning
>> Event Source: NTDS KCC
>> Event Category: Knowledge Consistency Checker
>> Event ID: 1925
>> Date: 11/10/2005
>> Time: 4:20:17 PM
>> User: NT AUTHORITY\ANONYMOUS LOGON
>> Computer: PORTLAND
>> Description:

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>> The attempt to establish a replication link for the following writable
>> directory partition failed.
>>
>> Directory partition:
>> CN=Configuration,DC=company,DC=com
>> Source domain controller:
>> CN=NTDS
>> Settings,CN=CHINA,CN=Servers,CN=China,CN=Sites,CN=Configuration,DC=company,DC=com
>> Source domain controller address:
>> 22da5d1e-8271-4fcf-acb3-04d870397976._msdcs.dolan.corp
>> Intersite transport (if any):
>> CN=IP,CN=Inter-Site
>> Transports,CN=Sites,CN=Configuration,DC=company,DC=com
>>
>> This domain controller will be unable to replicate with the source
>> domain controller until this problem is corrected.
>>
>> User Action
>> Verify if the source domain controller is accessible or network
>> connectivity is available.
>>
>> Additional Data
>> Error value:
>> 1727 The remote procedure call failed and did not execute.
>>
>> For more information, see Help and Support Center at
>> <http://go.microsoft.com/fwlink/events.asp>.
>>
>> -----
>> Event Type: Warning
>> Event Source: NTDS KCC
>> Event Category: Knowledge Consistency Checker
>> Event ID: 1925
>> Date: 11/10/2005
>> Time: 4:13:56 PM
>> User: NT AUTHORITY\ANONYMOUS LOGON
>> Computer: PORTLAND
>> Description:
>> The attempt to establish a replication link for the following writable
>> directory partition failed.
>>
>> Directory partition:
>> CN=Schema,CN=Configuration,DC=company,DC=com
>> Source domain controller:
>> CN=NTDS
>> Settings,CN=CHINA,CN=Servers,CN=China,CN=Sites,CN=Configuration,DC=company,DC=com
>> Source domain controller address:
>> 22da5d1e-8271-4fcf-acb3-04d870397976._msdcs.dolan.corp
>> Intersite transport (if any):
>> CN=IP,CN=Inter-Site
>> Transports,CN=Sites,CN=Configuration,DC=company,DC=com

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>>
>> This domain controller will be unable to replicate with the source
>> domain controller until this problem is corrected.
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>> Verify if the source domain controller is accessible or network
>> connectivity is available.
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>> Additional Data
>> Error value:
>> 1727 The remote procedure call failed and did not execute.
>>
>> For more information, see Help and Support Center at
>> <http://go.microsoft.com/fwlink/events.asp>.
>>

>> Event Type: Warning
>> Event Source: DNS
>> Event Category: None
>> Event ID: 4510
>> Date: 11/9/2005
>> Time: 9:35:13 PM
>> User: N/A
>> Computer: CHINA
>> Description:
>> The DNS server was unable to connect to the domain naming FSMO
>> PORTLAND.company.com. No modifications to Directory Partitions are
>> possible until the FSMO server is available for LDAP connections. The
>> event data contains the error code.
>>
>> For more information, see Help and Support Center at
>> <http://go.microsoft.com/fwlink/events.asp>.
>> Data:
>> 0000: af 20 00 00 - ..
>> Event Type: Warning
>> Event Source: DNS
>> Event Category: None
>> Event ID: 4510
>> Date: 11/9/2005
>> Time: 9:35:13 PM
>> User: N/A
>> Computer: CHINA
>> Description:
>> The DNS server was unable to connect to the domain naming FSMO
>> PORTLAND.company.com. No modifications to Directory Partitions are
>> possible until the FSMO server is available for LDAP connections. The
>> event data contains the error code.
>>
>> For more information, see Help and Support Center at
>> <http://go.microsoft.com/fwlink/events.asp>.
>> Data:

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>> 0000: af 20 00 00 - ..

>> -----

>> Event Type: Error

>> Event Source: DNS

>> Event Category: None

>> Event ID: 4016

>> Date: 11/9/2005

>> Time: 9:35:13 PM

>> User: N/A

>> Computer: CHINA

>> Description:

>> The DNS server timed out attempting an Active Directory service

>> operation on ---. Check Active Directory to see that it is

>> functioning properly. The event data contains the error.

>>

>> For more information, see Help and Support Center at

>> <http://go.microsoft.com/fwlink/events.asp>.

>> Data:

>> 0000: 55 00 00 00 U...

>>

>>

>> These errors look so grim that I am afraid to join our workstations

>> over there to the domain. Could this be due to our unreliable link

>> and if so is there nothing we can do to make this work? Please tell

>> me it is possible I could have misconfigured something along the way.

>> This is my first time preparing a DC overseas.

>

> To add to smpclient@xxxxxxxx's questions, the possibilities as to why

> this is occurring are numerous, from hardware, configuration info, DNS IP

> properties misconfig (not using ONLY your internal DNS servers meaning if

> you are using an ISP's DNS server, this can cause MAJOR issues across the

> board).

>

> Are you aware of any MTU alterations in the VPN devices? MTUs lower than

> 1500 can cause these errors. Are there firewalls between the sites? ADSL

> line?

>

> How is your DNS infrastructure configured? Are the zones AD Integrated or

> are they Primary/Secondaries?

>

> Check out this site:

> <http://www.eventid.net/display.asp?eventid=1925&eventno=2447&source=NTDS%20KCC&phase=1>

>

> Also, do the SRV records exist? Does the _msdcs record for the forest root,

> and any other domains exist? Does this record exist?

> 22da5d1e-8271-4fcf-acb3-04d870397976._msdcs.dolan.corp

> If so, is the IP pingable?

>

> If pingable, try a dsquery test against the other server, or all servers

> (using *):

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>

<http://www.microsoft.com/technet/prodtechnol/windowsserver2003/library/ServerHelp/46ba1426-43fd-4985-b429-c>

>

> Lastly, what was changed, if anything, prior to this occurring? Changes
> could be anything from a service pack, hotfix, router firmware or software
> upgrade, etc.

>

> There was one hotfix update a few weeks ago that caused problems on
> machines that admins had altered the default C:\ drive permissions.

>

> Systems that have changed the default Access Control List permissions on
> the

> %windir%\registration directory may experience various problems after you
> install the Microsoft Security Bulletin MS05-051 for COM+ and MS DTC
> <http://support.microsoft.com/kb/909444>

>

> Run a dcdiag /v /fix on your servers and post the results please. Try not
> to edit the domain names and server names please, otherwise it makes it a
> little more difficult to read and translate. Can you also post an ipconfig
> /all from your servers please? Same thing goes with the editing please.

>

> I had a client about a year ago with major issues with replication. After
> 2 days meddling with it and not getting it to work, he finally mentioned
> that a firmware upgrade was made on his Sonic Wall. I looked at the Sonic
> Wall config, and the MTU was dropped to 1492 and wouldn't let me set it to
> 1500. I asked him to put the original firmware back on it, and replication
> all of a sudden took off. I suggested for him to keep the old firmware
> until he finds out why the restrictions on the MTU settings from Sonic
> Wall.

>

> ---
> Ace

>

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> confers no rights.

>

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> to respond to it through that community's website, I may not see your
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> forum. Therefore, please direct all replies ONLY to the Microsoft public
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> community posts it back to the original forum.

>

> Ace Fekay, MCSE 2003 & 2000, MCSA 2003 & 2000, MCSE+I, MCT, MVP
> Microsoft MVP – Windows Server Directory Services
> Microsoft Certified Trainer
> Infinite Diversities in Infinite Combinations.

> =====

>

- *Follow-Ups:*
 - ◆ **Re: Big trouble with DC in China**
 - ◇ *From: Ace Fekay [MVP]*

- *References:*
 - ◆ **Big trouble with DC in China**
 - ◇ *From: max98037*
 - ◆ **Re: Big trouble with DC in China**
 - ◇ *From: Ace Fekay [MVP]*

- Prev by Date: **Re: Domain Controller Load Testing [URGENT]**
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