

Re: Global catalog server died before completing replication to new GC server

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Source:

http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.active_directory/2009-03/msg01478

- *From:* Meinolf Weber [MVP-DS] <meiweb(nospam)@gmx.de>
 - *Date:* Sun, 29 Mar 2009 10:25:33 +0000 (UTC)
-

Hello MickBurke,

Please post an unedited ipconfig /all from the DC and a problem machine.

What about the DNS zones, are all machines listed there?

What zones are listed there?

Best regards

Meinolf Weber

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On Mar 28, 9:39 pm, Meinolf Weber [MVP-DS] <meiweb(nospam)@gmx.de> wrote:

Hello MickBurke,

If no DNS is installed on the existing DC:

Install DNS role and create a forward lookup zone for your complete domainname,

mydomain.local for example. Make it an AD integrated zone and also create

a reverse lookup zone for your ip range, also AD integrated.

Then make sure all servers are listed in the zones, configure all machines

to the new DNS server on the NIC, then run ipconfig /registerdns on them after that. The DHCP client service has to run for DNS registration.

If all machines are listed in DNS, seize the 5 FSMO roles according to this article: <http://support.microsoft.com/kb/255504>

Make it Global catalog server: <http://support.microsoft.com/?id=313994>

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Cleanup the AD database from the crashed
DC:<http://support.microsoft.com/kb/216498>

Remove the crashed DC from AD sites and services, just delete the
servername there.

In the Exchange system manager reconfigure the "Recipient update
service" to the running DC for both entries.

After all run dcdiag /v and netdiag /v to check for errors.

Best regards

Meinolf Weber

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We had an old 2000serverthat was theglobalcatalogthat was
making
drive noise, so we assigned anotherserveras
theglobalcatalogand
moments later, the firstserverdied. NNow we've got all sorts
of
trouble. From the clients we can't get to the roaming profiles,
when
we connect to exchange (which is on thenewserver) it
prompts for the
user password.

From tehnewserveritself, which had been a domain controller
for
several months, we are getting problems when we run
netdiag:

Domain membership test : Failed
[WARNING] This system volume has not been completely
replicated to
the local machine. This machine is not working properly as a
DC.
DC discovery test. : Failed
[FATAL] Cannot find DC in domain 'DWWINC'.
[ERROR_NO_SUCH_DOMAIN]
DC list test : Failed
'DWWINC': Cannot find DC to get DC list from [test
skipped].
LDAP test. : Failed
Cannot find DC to run LDAP tests on. The error occurred

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was: The specified domain either does not exist or could not be contacted.

[WARNING] Cannot find DC in domain 'DWWINC'.
[ERROR_NO_SUCH_DOMAIN]

And with DCdiag:

Starting test: frsevent

There are warning or error events within the last 24 hours after the SYSVOL has been shared. Failing SYSVOL replication problems may cause Group Policy problems. DWWSERVER01 failed test frsevent

Starting test: FsmoCheck

Warning: DcGetDcName(GC_SERVER_REQUIRED) call failed, error

1355

A GlobalCatalogServer could not be located – All GC's are down.

Warning: DcGetDcName(TIME_SERVER) call failed, error 1355

A TimeServer could not be located.

The server holding the PDC role is down.

Warning:

DcGetDcName(GOOD_TIME_SERVER_PREFERRED) call failed,

error 1355

A Good TimeServer could not be located.

Warning: DcGetDcName(KDC_REQUIRED) call failed, error 1355

A KDC could not be located – All the KDCs are down.

..... dwwinc.com failed test FsmoCheck

We're also getting all sorts of Userenv errors:

Event Type: Error

Event Source: Userenv

Event Category: None

Event ID: 1006

Date: 3/28/2009

Time: 8:19:20 PM

User: NT AUTHORITY\SYSTEM

Computer: DWWSERVER01

Description:

Windows cannot bind to dwwinc.com domain. (Local Error).

Group

Policy

processing aborted.

Event Type: Error

Event Source: Userenv

Event Category: None

Event ID: 1030

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Date: 3/28/2009

Time: 8:19:20 PM

User: NT AUTHORITY\SYSTEM

Computer: DWWSERVER01

Description:

Windows cannot query for the list of Group Policy objects.

Check the

event log for possible messages previously logged by the policy

engine

that describes the reason for this.

And MExchangeAL Errors:

Event Type: Error

Event Source: MExchangeAL

Event Category: Service Control

Event ID: 8231

Date: 3/28/2009

Time: 8:23:19 PM

User: N/A

Computer: DWWSERVER01

Description:

Permanent failure reported by policy group provider for 'CN=System

Policies,CN=DWWInc,CN=Microsoft

Exchange,CN=Services,CN=Configuration,DC=dwwinc,DC=com': 'MAD.EXE', error=80040103. Taking provider offline.

Got to get this figured out by monday AM, so I need help

BAD!

Thanks for any input.

Mick

Yup, the new server has all the FSMO roles set to it, I transferred them before the the old one went down. I also removed reference to the old server in sites and servers as well as from the ntdsutil. The DNS and DHCP servers are both on the new server and have been for the last several months. I didn't have a reverse lookup zone as it's a 5 user office, but did now just in case. Everything seems to resolve OK. I ping the server from the client just fine, it resolves and pings, but if I try to enter \\dwwserver\ in the my computer window, it takes a while and then prompts me for ID and password. Once we put it in it works and doesn't appear to prompt again. I also checked the two MS articles and I had run through both procedures already, and I did update the 'recipient update service' for the exchange settings.

I've run through this before with other clients when servers failed or were retired (and I had missed oen step or another and had to do manual cleanup), but this one is just being beligerent. No idea where to go from here. Any other recommendations?? Thanks for your help.

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Mick