

Re: No DC shown in NTDSUTIL.exe in Single DC network

Source:

http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.active_directory/2006-10/msg00191

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 - *Date:* Sun, 1 Oct 2006 07:51:01 -0700
-

You are right about the 2000server, interestingly enough though, that server has been offline for about 2 years and these errors just started a month ago. After 2000server crashed I "forced" the roles to be changed to 2003server... I guess it didn't work to well. How to I get 2003server to seize the naming master role?

Here is the queiry results:

```
C:\Documents and Settings\Administrator>dcdiag /v /test:dns
```

Domain Controller Diagnosis

Performing initial setup:

- * Verifying that the local machine 2003server, is a DC.
- * Connecting to directory service on server 2003server.
- * Collecting site info.
- * Identifying all servers.
- * Identifying all NC cross-refs.
- * Found 1 DC(s). Testing 1 of them.

Done gathering initial info.

Doing initial required tests

Testing server: Default-First-Site-Name\2003SERVER

Starting test: Connectivity

- * Active Directory LDAP Services Check
 - * Active Directory RPC Services Check
- 2003SERVER passed test Connectivity

Doing primary tests

Testing server: Default-First-Site-Name\2003SERVER

Test omitted by user request: Replications

Test omitted by user request: Topology

Test omitted by user request: CutoffServers

Test omitted by user request: NCSecDesc

Test omitted by user request: NetLogons

Re: No DC shown in NTDSUTIL.exe in Single DC network

Test omitted by user request: Advertising
Test omitted by user request: KnowsOfRoleHolders
Test omitted by user request: RidManager
Test omitted by user request: MachineAccount
Test omitted by user request: Services
Test omitted by user request: OutboundSecureChannels
Test omitted by user request: ObjectsReplicated
Test omitted by user request: frssysvol
Test omitted by user request: frsevent
Test omitted by user request: kccevent
Test omitted by user request: systemlog
Test omitted by user request: VerifyReplicas
Test omitted by user request: VerifyReferences
Test omitted by user request: VerifyEnterpriseReferences
Test omitted by user request: CheckSecurityError

DNS Tests are running and not hung. Please wait a few minutes...

..... 2003SERVER passed test Advertising

Starting test: KnowsOfRoleHolders

Role Schema Owner = CN=NTDS

Settings,CN=2003SERVER,CN=Servers,CN=Default

t-First-Site-Name,CN=Sites,CN=Configuration,DC=nicka,DC=com

Role Domain Owner = CN=NTDS

Settings\0ADEL:26473274-cc29-45d4-81f0-58d3

cc39c8cf,CN=2000SERVER\0ADEL:4b9f38e5-dd43-4fe8-af03-051b99cfef11,CN=Servers,CN=

Default-First-Site-Name,CN=Sites,CN=Configuration,DC=nicka,DC=com

Warning: CN=NTDS

Settings\0ADEL:26473274-cc29-45d4-81f0-58d3cc39c8cf,CN

=2000SERVER\0ADEL:4b9f38e5-dd43-4fe8-af03-051b99cfef11,CN=Servers,CN=Default-Fir

st-Site-Name,CN=Sites,CN=Configuration,DC=nicka,DC=com is the Domain Owner,

but

is deleted.

Role PDC Owner = CN=NTDS

Settings,CN=2003SERVER,CN=Servers,CN=Default-F

irst-Site-Name,CN=Sites,CN=Configuration,DC=nicka,DC=com

Role Rid Owner = CN=NTDS

Settings,CN=2003SERVER,CN=Servers,CN=Default-F

irst-Site-Name,CN=Sites,CN=Configuration,DC=nicka,DC=com

Role Infrastructure Update Owner = CN=NTDS

Settings,CN=2003SERVER,CN=Se

rvers,CN=Default-First-Site-Name,CN=Sites,CN=Configuration,DC=nicka,DC=com

..... 2003SERVER failed test KnowsOfRoleHolders

Starting test: RidManager

* Available RID Pool for the Domain is 3634 to 1073741823

* 2003server.nicka.com is the RID Master

* DsBind with RID Master was successful

* rIDAllocationPool is 3134 to 3633

* rIDPreviousAllocationPool is 3134 to 3633

* rIDNextRID: 3183

..... 2003SERVER passed test RidManager

Starting test: MachineAccount

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Checking machine account for DC 2003SERVER on DC 2003SERVER.

- * SPN found :LDAP/2003server.nicka.com/nicka.com
- * SPN found :LDAP/2003server.nicka.com
- * SPN found :LDAP/2003SERVER
- * SPN found :LDAP/2003server.nicka.com/NICKA
- * SPN found
:LDAP/4cf69ad2-e55b-43fb-81f0-335bbc0b41e5._msdcs.nicka.com

- * SPN found
:E3514235-4B06-11D1-AB04-00C04FC2DCD2/4cf69ad2-e55b-43fb-81f0-335bbc0b41e5/nicka.com
- * SPN found :HOST/2003server.nicka.com/nicka.com
- * SPN found :HOST/2003server.nicka.com
- * SPN found :HOST/2003SERVER
- * SPN found :HOST/2003server.nicka.com/NICKA
- * SPN found :GC/2003server.nicka.com/nicka.com

..... 2003SERVER passed test MachineAccount

Starting test: Services

- * Checking Service: Dnscache
- * Checking Service: NtFrs
- * Checking Service: IsmServ
- * Checking Service: kdc
- * Checking Service: SamSs
- * Checking Service: LanmanServer
- * Checking Service: LanmanWorkstation
- * Checking Service: RpcSs
- * Checking Service: w32time
- * Checking Service: NETLOGON

..... 2003SERVER passed test Services

Test omitted by user request: OutboundSecureChannels

Starting test: ObjectsReplicated

2003SERVER is in domain DC=nicka,DC=com

Checking for CN=2003SERVER,OU=Domain Controllers,DC=nicka,DC=com in dom

ain DC=nicka,DC=com on 1 servers

Object is up-to-date on all servers.

Checking for CN=NTDS

Settings,CN=2003SERVER,CN=Servers,CN=Default-First

-Site-Name,CN=Sites,CN=Configuration,DC=nicka,DC=com in domain

CN=Configuration,

DC=nicka,DC=com on 1 servers

Object is up-to-date on all servers.

..... 2003SERVER passed test ObjectsReplicated

Starting test: frssysvol

- * The File Replication Service SYSVOL ready test

File Replication Service's SYSVOL is ready

..... 2003SERVER passed test frssysvol

Starting test: frsevent

- * The File Replication Service Event log test

..... 2003SERVER passed test frsevent

Starting test: kccevent

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* The KCC Event log test

Found no KCC errors in Directory Service Event log in the last 15
minut
es.

..... 2003SERVER passed test kccevent

Starting test: systemlog

* The System Event log test

An Error Event occured. EventID: 0x00000457

Time Generated: 10/01/2006 08:47:08

(Event String could not be retrieved)

..... 2003SERVER failed test systemlog

Test omitted by user request: VerifyReplicas

Starting test: VerifyReferences

The system object reference (serverReference)

CN=2003SERVER,OU=Domain Controllers,DC=nicka,DC=com and backlink on

CN=2003SERVER,CN=Servers,CN=Default-First-Site-Name,CN=Sites,CN=Configu
ration,DC=nicka,DC=com

are correct.

The system object reference (frsComputerReferenceBL)

CN=2003SERVER,CN=Domain System Volume (SYSVOL share),CN=File

Replicatio

n Service,CN=System,DC=nicka,DC=com

and backlink on CN=2003SERVER,OU=Domain Controllers,DC=nicka,DC=com

are correct.

The system object reference (serverReferenceBL)

CN=2003SERVER,CN=Domain System Volume (SYSVOL share),CN=File

Replicatio

n Service,CN=System,DC=nicka,DC=com

and backlink on

CN=NTDS

Settings,CN=2003SERVER,CN=Servers,CN=Default-First-Site-Name,CN

=Sites,CN=Configuration,DC=nicka,DC=com

are correct.

..... 2003SERVER passed test VerifyReferences

Test omitted by user request: VerifyEnterpriseReferences

Test omitted by user request: CheckSecurityError

Running partition tests on : Schema

Starting test: CrossRefValidation

..... Schema passed test CrossRefValidation

Starting test: CheckSDRefDom

..... Schema passed test CheckSDRefDom

Running partition tests on : Configuration

Starting test: CrossRefValidation

..... Configuration passed test

CrossRefValidation

Starting test: CheckSDRefDom

..... Configuration passed test CheckSDRefDom

Re: No DC shown in NTDSUTIL.exe in Single DC network

Running partition tests on : nicka
Starting test: CrossRefValidation
..... nicka passed test CrossRefValidation
Starting test: CheckSDRefDom
..... nicka passed test CheckSDRefDom

Running enterprise tests on : nicka.com
Starting test: Intersite
Skipping site Default-First-Site-Name, this site is outside the scope provided by the command line arguments provided.
..... nicka.com passed test Intersite
Starting test: FsmoCheck
GC Name: \\2003server.nicka.com
Locator Flags: 0xe00003fd
PDC Name: \\2003server.nicka.com
Locator Flags: 0xe00003fd
Time Server Name: \\2003server.nicka.com
Locator Flags: 0xe00003fd
Preferred Time Server Name: \\2003server.nicka.com
Locator Flags: 0xe00003fd
KDC Name: \\2003server.nicka.com
Locator Flags: 0xe00003fd
..... nicka.com passed test FsmoCheck
Test omitted by user request: DNS
Test omitted by user request: DNS

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Domain Controller Diagnosis

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Running partition tests on : Schema

Test omitted by user request: CrossRefValidation

Test omitted by user request: CheckSDRefDom

Running partition tests on : Configuration

Test omitted by user request: CrossRefValidation

Test omitted by user request: CheckSDRefDom

Running partition tests on : nicka

Test omitted by user request: CrossRefValidation

Test omitted by user request: CheckSDRefDom

Running enterprise tests on : nicka.com

Test omitted by user request: Intersite

Test omitted by user request: FsmoCheck

Starting test: DNS

Test results for domain controllers:

DC: 2003server.nicka.com

Domain: nicka.com

TEST: Authentication (Auth)

Authentication test: Successfully completed

TEST: Basic (Basic)

Microsoft(R) Windows(R) Server 2003, Enterprise Edition

(Service)

Service Pack level: 1.0) is supported

Re: No DC shown in NTDSUTIL.exe in Single DC network

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NETLOGON service is running
kdc service is running
DNSCACHE service is running
DNS service is running
DC is a DNS server
Network adapters information:
Adapter [00000001] Intel(R) PRO/1000 MT Desktop Adapter:
MAC address is 00:07:E9:15:6B:10
IP address is static
IP address: 192.168.0.3
DNS servers:
192.168.0.3 (<name unavailable>) [Valid]
The A record for this DC was found
The SOA record for the Active Directory zone was found
The Active Directory zone on this DC/DNS server was found
(pri
mary)
Root zone on this DC/DNS server was not found

TEST: Forwarders/Root hints (Forw)
Recursion is enabled
Forwarders Information:
208.42.42.42 (<name unavailable>) [Valid]
209.98.98.98 (<name unavailable>) [Valid]

TEST: Delegations (Del)
No delegations were found in this zone on this DNS server

TEST: Dynamic update (Dyn)
Warning: Dynamic update is enabled on the zone but not
secure
nicka.com.
Test record _dcdiag_test_record added successfully in zone
nic
ka.com.
Test record _dcdiag_test_record deleted successfully in
zone n
icka.com.

TEST: Records registration (RReg)
Network Adapter [00000001] Intel(R) PRO/1000 MT Desktop
Adapte
r:
Matching A record found at DNS server 192.168.0.3:
2003server.nicka.com

Matching CNAME record found at DNS server 192.168.0.3:
4cf69ad2-e55b-43fb-81f0-335bbc0b41e5._msdcs.nicka.com

Matching DC SRV record found at DNS server 192.168.0.3:
_ldap._tcp.dc._msdcs.nicka.com

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Matching GC SRV record found at DNS server 192.168.0.3:
_ldap._tcp.gc._msdcs.nicka.com

Matching PDC SRV record found at DNS server 192.168.0.3:
_ldap._tcp.pdc._msdcs.nicka.com

Summary of test results for DNS servers used by the above domain
controllers:

DNS server: 192.168.0.3 (<name unavailable>)
All tests passed on this DNS server
This is a valid DNS server.
Name resolution is functional. _ldap._tcp SRV record for the
forest root domain is registered

DNS server: 208.42.42.42 (<name unavailable>)
All tests passed on this DNS server
This is a valid DNS server.

DNS server: 209.98.98.98 (<name unavailable>)
All tests passed on this DNS server
This is a valid DNS server.

Summary of DNS test results:

Auth Basic Forward Lookup Dynamic RRSet

Domain: nicka.com
2003server PASS PASS PASS PASS WARN PASS n/a
..... nicka.com passed test DNS

Thanks for your help!

Nick
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