

Can't find DC after running DCPROMO

Source:

http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.active_directory/2004-12/1507.html

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I have a windows 2000 server with two NIC's. It is the only DC in the domain, at least I thought it was. Netdiag and dcdiag disagree. Netdiag failed the DC discovery test and dcdiag failed the FSMO check. I've gone through KB after KB, demoted and repromoted the server a dozen times, and googled half the internet with no joy. This problem is preventing me from connecting workstations and creating a trust with an NT domain so that I can migrate some accounts. 'TDMS.org' is in the DNS forward lookup zone with the appropriate subfolders and is updateable. The "." forward lookup zone was removed. Any help would be appreciated. If you need more info, let me know.

IPconfig output:

Windows 2000 IP Configuration

Host Name : dellserver
Primary DNS Suffix : TDMS
Node Type : Hybrid

IP Routing Enabled. : No

WINS Proxy Enabled. : No

DNS Suffix Search List. : TDMS

Ethernet adapter Local Area Connection 2:

Connection-specific DNS Suffix . :
Description : Broadcom NetXtreme Gigabit Ethernet #2
Physical Address. : 00-06-5B-F6-75-09

DHCP Enabled. : No

IP Address. : 10.1.1.5

Subnet Mask : 255.255.255.0

Default Gateway : 10.1.1.5

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DNS Servers : 10.1.1.5

Ethernet adapter Local Area Connection:

Connection-specific DNS Suffix . :

Description : Broadcom NetXtreme Gigabit Ethernet

Physical Address. : 00-06-5B-F6-75-08

DHCP Enabled. : No

IP Address. : 223.255.255.55

Subnet Mask : 255.255.255.0

Default Gateway : 223.255.255.51

DNS Servers : 10.1.1.5

Netdiag output:

Computer Name: dellserver

DNS Host Name: dellserver.TDMS.org

System info : Windows 2000 Server (Build 2195)

Processor : x86 Family 15 Model 2 Stepping 7, GenuineIntel

List of installed hotfixes :

- KB820888
- KB822343
- KB822831
- KB823182
- KB823559
- KB824105
- KB824151
- KB825119
- KB826232
- KB828035
- KB828741
- KB828749
- KB832359
- KB835732
- KB837001
- KB839643
- KB839645
- KB840315
- KB840987
- KB841356
- KB841533
- KB841872
- KB841873
- KB842526

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KB870763
KB873339
KB885835
KB885836
KB889293-IE6SP1-20041111.235619
Q147222
Q828026

Netcard queries test : Passed

Per interface results:

Adapter : Local Area Connection 2

Netcard queries test . . . : Passed

Host Name. : dellserver
IP Address : 10.1.1.5
Subnet Mask. : 255.255.255.0
Default Gateway. : 10.1.1.5
Dns Servers. : 10.1.1.5

AutoConfiguration results. : Passed

Default gateway test . . . : Passed

NetBT name test. : Passed
No remote names have been found.

WINS service test. : Skipped
There are no WINS servers configured for this interface.

Adapter : Local Area Connection

Netcard queries test . . . : Passed

Host Name. : dellserver
IP Address : 223.255.255.55
Subnet Mask. : 255.255.255.0
Default Gateway. : 223.255.255.51
Dns Servers. : 10.1.1.5

AutoConfiguration results. : Passed

Default gateway test . . . : Passed

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No remote names have been found.

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Global results:

Domain membership test : Passed

NetBT transports test. : Passed

List of NetBt transports currently configured:

NetBT_Tcpip_{132F9940-FCCC-43A4-9ECC-E0E2A06E3371}

NetBT_Tcpip_{EB1A860B-5B84-43D5-99F0-2997A009A1CD}

2 NetBt transports currently configured.

Autonet address test : Passed

IP loopback ping test. : Passed

Default gateway test : Passed

NetBT name test. : Passed

Winsock test : Passed

DNS test : Passed

PASS – All the DNS entries for DC are registered on DNS server
'10.1.1.5' and other DCs also have some of the names registered.

Redir and Browser test : Passed

List of NetBt transports currently bound to the Redir

NetBT_Tcpip_{132F9940-FCCC-43A4-9ECC-E0E2A06E3371}

NetBT_Tcpip_{EB1A860B-5B84-43D5-99F0-2997A009A1CD}

The redir is bound to 2 NetBt transports.

List of NetBt transports currently bound to the browser

NetBT_Tcpip_{132F9940-FCCC-43A4-9ECC-E0E2A06E3371}

NetBT_Tcpip_{EB1A860B-5B84-43D5-99F0-2997A009A1CD}

The browser is bound to 2 NetBt transports.

DC discovery test. : Failed

[FATAL] Cannot find DC in domain 'TDMS'. [ERROR_NO_SUCH_DOMAIN]

DC list test : Failed

'TDMS': Cannot find DC to get DC list from [test skipped].

Trust relationship test. : Skipped

Kerberos test. : Skipped

'TDMS': Cannot find DC to get DC list from [test skipped].

LDAP test. : Failed

Cannot find DC to run LDAP tests on. The error occurred was: The
specified domain either does not exist or could not be contacted.

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

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Bindings test : Passed

WAN configuration test : Skipped
No active remote access connections.

Modem diagnostics test : Passed

IP Security test : Passed
IPSec policy service is active, but no policy is assigned.

The command completed successfully

Dcdiag output:

Domain Controller Diagnosis

Performing initial setup:
Done gathering initial info.

Doing initial required tests

Testing server: Default-First-Site-Name\dellserver
Starting test: Connectivity
..... dellserver passed test Connectivity

Doing primary tests

Testing server: Default-First-Site-Name\dellserver
Starting test: Replications
..... dellserver passed test Replications
Starting test: NCSecDesc
..... dellserver passed test NCSecDesc
Starting test: NetLogons
..... dellserver passed test NetLogons
Starting test: Advertising
..... dellserver passed test Advertising
Starting test: KnowsOfRoleHolders
..... dellserver passed test KnowsOfRoleHolders
Starting test: RidManager
..... dellserver passed test RidManager
Starting test: MachineAccount
..... dellserver passed test MachineAccount
Starting test: Services
SMTPSVC Service is stopped on [dellserver]
..... dellserver failed test Services
Starting test: ObjectsReplicated
..... dellserver passed test ObjectsReplicated
Starting test: frssysvol
..... dellserver passed test frssysvol

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Starting test: kccevent

..... dellserver passed test kccevent

Starting test: systemlog

..... dellserver passed test systemlog

Running enterprise tests on : TDMS.org

Starting test: Intersite

..... TDMS.org passed test Intersite

Starting test: FsmoCheck

Warning: DcGetDcName(PDC_REQUIRED) call failed, error 1355

A Primary Domain Controller could not be located.

The server holding the PDC role is down.

..... TDMS.org failed test FsmoCheck