

# Re: AD state and dns windows2003r2x64

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*Source:*

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.dns/2008-06/msg00290.html>

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You are correct the version I used is the latest available to download at this stage.

This is the netdiag from the version on the cd.

## NETDIAG PART1

Querying status of the Netcard drivers... Passed  
Testing IpConfig – pinging the Primary WINS server... Passed  
Testing IpConfig – pinging the Secondary WINS server... Passed  
Testing Domain membership... Passed  
Gathering NetBT configuration information.  
Testing for autoconfiguration... Passed  
Testing IP loopback ping... Passed  
Testing default gateways... Passed  
Enumerating local and remote NetBT name cache... Passed  
Testing the WINS server  
Local Area Connection  
Sending name query to primary WINS server 10.0.0.32 – Passed  
Sending name query to secondary WINS server 10.0.0.33 – Passed  
Gathering Winsock information.  
Testing DNS  
PASS – All the DNS entries for DC are registered on DNS server '10.0.0.31' and other DCs also have some of the names registered.  
PASS – All the DNS entries for DC are registered on DNS server '10.0.0.32' and other DCs also have some of the names registered.  
PASS – All the DNS entries for DC are registered on DNS server '10.0.0.33' and other DCs also have some of the names registered.  
Testing redirector and browser... Passed  
Testing DC discovery.  
Looking for a DC  
Looking for a PDC emulator  
Looking for an Active Directory DC  
Gathering the list of Domain Controllers for domain 'ELLIESHQ'  
Testing trust relationships... Skipped  
Testing Kerberos authentication... Passed

Testing LDAP servers in Domain ELLIESHQ ...  
Gathering routing information  
Gathering network statistics information.  
Gathering configuration of bindings.  
Gathering RAS connection information  
Gathering Modem information  
Gathering IP Security information

Tests complete.

Computer Name: HQDC1  
DNS Host Name: HQDC1.ELLIESHQ.LOCAL  
DNS Domain Name: ELLIESHQ.LOCAL  
System info : Microsoft Windows Server 2003 R2 (Build 3790)  
Processor : EM64T Family 6 Model 15 Stepping 6, GenuineIntel  
Hotfixes :  
Installed? Name  
Yes KB921503  
Yes KB924667-v2  
Yes KB925398\_WMP64  
Yes KB925902  
Yes KB926028  
Yes KB926122  
Yes KB927891  
Yes KB929123  
Yes KB930178  
Yes KB932168  
Yes KB932596  
Yes KB933360  
Yes KB933729  
Yes KB935839  
Yes KB935840  
Yes KB936021  
Yes KB936357  
Yes KB936782  
Yes KB937143  
Yes KB937143-IE7  
Yes KB938127  
Yes KB938127-IE7  
Yes KB939653-IE7  
Yes KB941202  
Yes KB941568  
Yes KB941569  
Yes KB941644  
Yes KB941672  
Yes KB941693  
Yes KB942615-IE7  
Yes KB942763  
Yes KB943055  
Yes KB943460

Yes KB943484  
Yes KB943485  
Yes KB944653  
Yes KB945553  
Yes KB946026  
Yes KB947864-IE7  
Yes KB948496  
Yes KB948590  
Yes KB948881  
Yes Q147222

Netcard queries test . . . . . : Passed

Information of Netcard drivers:

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Description: Intel(R) PRO/1000 PM Network Connection  
Device: \DEVICE\{66C61FD3-0F94-4637-916D-9CAC8A035928}

Media State: Connected

Device State: Connected  
Connect Time: 23:09:15  
Media Speed: 1 Gbps

Packets Sent: 132348  
Bytes Sent (Optional): 0

Packets Received: 958699  
Directed Pkts Recd (Optional): 132336  
Bytes Received (Optional): 0  
Directed Bytes Recd (Optional): 0

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[PASS] – At least one netcard is in the 'Connected' state.

Per interface results:

Adapter : Local Area Connection  
Adapter ID . . . . . : {66C61FD3-0F94-4637-916D-9CAC8A035928}

Netcard queries test . . . : Passed

Adapter type . . . . . : Ethernet  
Host Name. . . . . : HQDC1.ELLIESHQ.LOCAL  
Description. . . . . : Intel(R) PRO/1000 PM Network Connection

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Physical Address . . . . . : 00-15-17-1D-3F-1F  
Dhcp Enabled . . . . . : No  
DHCP ClassID . . . . . :  
Autoconfiguration Enabled. : Yes  
IP Address . . . . . : 10.0.0.30  
Subnet Mask. . . . . : 255.255.252.0  
Default Gateway. . . . . : 10.0.0.3  
Primary WINS Server. . . . : 10.0.0.32  
Secondary WINS Server. . . : 10.0.0.33  
Dns Servers. . . . . : 10.0.0.31  
10.0.0.32  
10.0.0.33

IpConfig results . . . . . : Passed  
Pinging the Primary WINS server 10.0.0.32 – reachable  
Pinging the Secondary WINS server 10.0.0.33 – reachable

AutoConfiguration results. . . . . : Passed  
AutoConfiguration is not in use.

Default gateway test . . . : Passed  
Pinging gateway 10.0.0.3 – reachable  
At least one gateway reachable for this adapter.

NetBT name test. . . . . : Passed  
NetBT\_Tcpip\_{66C61FD3-0F94-4637-916D-9CAC8A035928}  
HQDC1 <00> UNIQUE REGISTERED  
ELLIESHQ <1C> GROUP REGISTERED  
ELLIESHQ <00> GROUP REGISTERED  
HQDC1 <20> UNIQUE REGISTERED  
ELLIESHQ <1B> UNIQUE REGISTERED  
ELLIESHQ <1E> GROUP REGISTERED  
ELLIESHQ <1D> UNIQUE REGISTERED  
..\_MSBROWSE\_.<01> GROUP REGISTERED  
[WARNING] At least one of the <00> 'WorkStation Service', <03>  
'Messenger Service', <20> 'WINS' names is missing.

NetBios Resolution : Enabled

Netbios Remote Cache Table  
Name Type HostAddress Life [sec]

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WEBAPPZ2 <20> UNIQUE 10.0.0.39 450

WINS service test. . . . . : Passed  
Sending name query to primary WINS server 10.0.0.32 – Passed  
Sending name query to secondary WINS server 10.0.0.33 – Passed  
The test was successful. At least one WINS server was found.

Global results:

IP General configuration

LMHOSTS Enabled. . . . . : No  
DNS for WINS resolution. . . . : Enabled  
Node Type. . . . . : Broadcast  
NBT Scope ID . . . . . :  
Routing Enabled. . . . . : No  
WINS Proxy Enabled . . . . . : No  
DNS resolution for NETBIOS . . . : No

Domain membership test . . . . . : Passed  
Machine is a . . . . . : Primary Domain Controller Emulator  
Netbios Domain name. . . . . : ELLIESHQ  
Dns domain name. . . . . : ELLIESHQ.LOCAL  
Dns forest name. . . . . : ELLIESHQ.LOCAL  
Domain Guid. . . . . : {A2DE74F0-984A-49CC-8A02-BFEA5B25B0DE}  
Domain Sid . . . . . : S-1-5-21-574994390-1154600075-1877969591  
Logon User . . . . . : administrator  
Logon Domain . . . . . : ELLIESHQ

NetBT transports test. . . . . : Passed  
List of NetBt transports currently configured:  
NetBT\_Tcpip\_{66C61FD3-0F94-4637-916D-9CAC8A035928}  
1 NetBt transport currently configured.

Autonet address test . . . . . : Passed  
PASS – you have at least one non–autoconfigured IP address

IP loopback ping test. . . . . : Passed  
PASS – pinging IP loopback address was successful.  
Your IP stack is most probably OK.

Default gateway test . . . . . : Passed  
PASS – you have at least one reachable gateway.

NetBT name test. . . . . : Passed  
No NetBT scope defined  
[WARNING] You don't have a single interface with the <00> 'WorkStation Service', <03> 'Messenger Service', <20> 'WINS' names defined.

Winsock test . . . . . : Passed

The number of protocols which have been reported : 4

Description: MSAFD Tcpi [TCP/IP]

Provider Version :2

Max message size : Stream Oriented

Description: MSAFD Tcpi [UDP/IP]

Provider Version :2

Description: RSVP UDP Service Provider

Provider Version :6

Description: RSVP TCP Service Provider

Provider Version :6

Max message size : Stream Oriented

Max UDP size : 65507 bytes

DNS test . . . . . : Passed

Interface {66C61FD3-0F94-4637-916D-9CAC8A035928}

DNS Domain: ELLIESHQ.LOCAL

DNS Servers: 10.0.0.31 10.0.0.32 10.0.0.33

IP Address: Expected registration with PDN (primary DNS domain name):

Hostname: HQDC1.ELLIESHQ.LOCAL.

Authoritative zone: ELLIESHQ.LOCAL.

Primary DNS server: hqdc2.ELLIESHQ.LOCAL 10.0.0.31

Authoritative NS:10.0.0.33 10.0.0.32 10.0.0.31 10.0.0.30

Check the DNS registration for DCs entries on DNS server '10.0.0.31'

The Record is different on DNS server '10.0.0.31'.

DNS server has more than one entries for this name, usually this means there are multiple DCs for this domain.

Your DC entry is one of them on DNS server '10.0.0.31', no need to re-register.

+-----+

The record on your DC is:

DNS NAME = \_ldap.\_tcp.ELLIESHQ.LOCAL.

DNS DATA =

SRV 0 100 389 HQDC1.ELLIESHQ.LOCAL.

The record on DNS server 10.0.0.31 is:

DNS NAME = \_ldap.\_tcp.ELLIESHQ.LOCAL

DNS DATA =

SRV 0 100 389 hqdc1.ellieshq.local

SRV 0 100 389 hqdc2.ellieshq.local

+-----+

The Record is different on DNS server '10.0.0.31'.

DNS server has more than one entries for this name, usually this means there are multiple DCs for this domain.

Your DC entry is one of them on DNS server '10.0.0.31', no need to re-register.

+-----+  
The record on your DC is:  
DNS NAME = \_ldap.\_tcp.Default-First-Site-Name.\_sites.ELLIESHQ.LOCAL.  
DNS DATA =  
SRV 0 100 389 HQDC1.ELLIESHQ.LOCAL.

The record on DNS server 10.0.0.31 is:  
DNS NAME = \_ldap.\_tcp.Default-First-Site-Name.\_sites.ELLIESHQ.LOCAL  
DNS DATA =  
SRV 0 100 389 hqdc1.ellieshq.local  
SRV 0 100 389 hqdc2.ellieshq.local  
+-----+

The Record is correct on DNS server '10.0.0.31'.

The Record is different on DNS server '10.0.0.31'.  
DNS server has more than one entries for this name, usually this means there are multiple DCs for this domain.  
Your DC entry is one of them on DNS server '10.0.0.31', no need to re-register.

+-----+  
The record on your DC is:  
DNS NAME =  
\_ldap.\_tcp.a2de74f0-984a-49cc-8a02-bfea5b25b0de.domains.\_msdcs.ELLIESHQ.LOCAL.  
DNS DATA =  
SRV 0 100 389 HQDC1.ELLIESHQ.LOCAL.

The record on DNS server 10.0.0.31 is:  
DNS NAME =  
\_ldap.\_tcp.a2de74f0-984a-49cc-8a02-bfea5b25b0de.domains.\_msdcs.ELLIESHQ.LOCAL  
DNS DATA =  
SRV 0 100 389 hqdc2.ellieshq.local  
SRV 0 100 389 hqdc1.ellieshq.local  
+-----+

The Record is correct on DNS server '10.0.0.31'.

The Record is different on DNS server '10.0.0.31'.  
DNS server has more than one entries for this name, usually this means there are multiple DCs for this domain.  
Your DC entry is one of them on DNS server '10.0.0.31', no need to re-register.

+-----+  
The record on your DC is:  
DNS NAME = \_kerberos.\_tcp.dc.\_msdcs.ELLIESHQ.LOCAL.  
DNS DATA =  
SRV 0 100 88 HQDC1.ELLIESHQ.LOCAL.

The record on DNS server 10.0.0.31 is:

```
DNS NAME = _kerberos._tcp.dc._msdcs.ELLIESHQ.LOCAL
DNS DATA =
SRV 0 100 88 hqdc2.ellieshq.local
SRV 0 100 88 hqdc1.ellieshq.local
```

+-----+

The Record is different on DNS server '10.0.0.31'.  
DNS server has more than one entries for this name, usually this means there are multiple DCs for this domain.  
Your DC entry is one of them on DNS server '10.0.0.31', no need to re-register.

+-----+

```
The record on your DC is:
DNS NAME =
_kerberos._tcp.Default-First-Site-Name._sites.dc._msdcs.ELLIESHQ.LOCAL.
DNS DATA =
SRV 0 100 88 HQDC1.ELLIESHQ.LOCAL.
```

```
The record on DNS server 10.0.0.31 is:
DNS NAME =
_kerberos._tcp.Default-First-Site-Name._sites.dc._msdcs.ELLIESHQ.LOCAL
DNS DATA =
SRV 0 100 88 hqdc2.ellieshq.local
SRV 0 100 88 hqdc1.ellieshq.local
```

+-----+

The Record is different on DNS server '10.0.0.31'.  
DNS server has more than one entries for this name, usually this means there are multiple DCs for this domain.  
Your DC entry is one of them on DNS server '10.0.0.31', no need to re-register.

+-----+

```
The record on your DC is:
DNS NAME = _ldap._tcp.dc._msdcs.ELLIESHQ.LOCAL.
DNS DATA =
SRV 0 100 389 HQDC1.ELLIESHQ.LOCAL.
```

```
The record on DNS server 10.0.0.31 is:
DNS NAME = _ldap._tcp.dc._msdcs.ELLIESHQ.LOCAL
DNS DATA =
SRV 0 100 389 hqdc2.ellieshq.local
SRV 0 100 389 hqdc1.ellieshq.local
```

+-----+

The Record is different on DNS server '10.0.0.31'.  
DNS server has more than one entries for this name, usually this means there are multiple DCs for this domain.  
Your DC entry is one of them on DNS server '10.0.0.31', no need to re-register.

+-----+  
The record on your DC is:  
DNS NAME = \_ldap.\_tcp.Default-First-Site-Name.\_sites.dc.\_msdcs.ELLIESHQ.LOCAL.  
DNS DATA =  
SRV 0 100 389 HQDC1.ELLIESHQ.LOCAL.

The record on DNS server 10.0.0.31 is:  
DNS NAME = \_ldap.\_tcp.Default-First-Site-Name.\_sites.dc.\_msdcs.ELLIESHQ.LOCAL  
DNS DATA =  
SRV 0 100 389 hqdc1.ellieshq.local  
SRV 0 100 389 hqdc2.ellieshq.local

+-----+  
The Record is different on DNS server '10.0.0.31'.  
DNS server has more than one entries for this name, usually this means there  
are multiple DCs for this domain.  
Your DC entry is one of them on DNS server '10.0.0.31', no need to  
re-register.

+-----+  
The record on your DC is:  
DNS NAME = \_kerberos.\_tcp.ELLIESHQ.LOCAL.  
DNS DATA =  
SRV 0 100 88 HQDC1.ELLIESHQ.LOCAL.

The record on DNS server 10.0.0.31 is:  
DNS NAME = \_kerberos.\_tcp.ELLIESHQ.LOCAL  
DNS DATA =  
SRV 0 100 88 hqdc2.ellieshq.local  
SRV 0 100 88 hqdc1.ellieshq.local

+-----+  
The Record is different on DNS server '10.0.0.31'.  
DNS server has more than one entries for this name, usually this means there  
are multiple DCs for this domain.  
Your DC entry is one of them on DNS server '10.0.0.31', no need to  
re-register.

+-----+  
The record on your DC is:  
DNS NAME = ELLIESHQ.LOCAL.  
DNS DATA =  
A 10.0.0.30

The record on DNS server 10.0.0.31 is:  
DNS NAME = ELLIESHQ.LOCAL  
DNS DATA =  
A 10.0.0.30  
A 10.0.0.31

The Record is different on DNS server '10.0.0.31'.  
DNS server has more than one entries for this name, usually this means there are multiple DCs for this domain.  
Your DC entry is one of them on DNS server '10.0.0.31', no need to re-register.

+-----+  
The record on your DC is:  
DNS NAME = \_kerberos.\_tcp.Default-First-Site-Name.\_sites.ELLIESHQ.LOCAL.  
DNS DATA =  
SRV 0 100 88 HQDC1.ELLIESHQ.LOCAL.

The record on DNS server 10.0.0.31 is:  
DNS NAME = \_kerberos.\_tcp.Default-First-Site-Name.\_sites.ELLIESHQ.LOCAL  
DNS DATA =  
SRV 0 100 88 hqdc2.ellieshq.local  
SRV 0 100 88 hqdc1.ellieshq.local

+-----+  
The Record is different on DNS server '10.0.0.31'.  
DNS server has more than one entries for this name, usually this means there are multiple DCs for this domain.  
Your DC entry is one of them on DNS server '10.0.0.31', no need to re-register.

+-----+  
The record on your DC is:  
DNS NAME = \_kerberos.\_udp.ELLIESHQ.LOCAL.  
DNS DATA =  
SRV 0 100 88 HQDC1.ELLIESHQ.LOCAL.

The record on DNS server 10.0.0.31 is:  
DNS NAME = \_kerberos.\_udp.ELLIESHQ.LOCAL  
DNS DATA =  
SRV 0 100 88 hqdc1.ellieshq.local  
SRV 0 100 88 hqdc2.ellieshq.local

+-----+  
The Record is different on DNS server '10.0.0.31'.  
DNS server has more than one entries for this name, usually this means there are multiple DCs for this domain.  
Your DC entry is one of them on DNS server '10.0.0.31', no need to re-register.

+-----+  
The record on your DC is:  
DNS NAME = \_kpasswd.\_tcp.ELLIESHQ.LOCAL.  
DNS DATA =  
SRV 0 100 464 HQDC1.ELLIESHQ.LOCAL.

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The record on DNS server 10.0.0.31 is:

DNS NAME = \_kpasswd.\_tcp.ELLIESHQ.LOCAL

DNS DATA =

SRV 0 100 464 hqdc1.ellieshq.local

SRV 0 100 464 hqdc2.ellieshq.local

+-----+

The Record is different on DNS server '10.0.0.31'.

DNS server has more than one entries for this name, usually this means there are multiple DCs for this domain.

Your DC entry is one of them on DNS server '10.0.0.31', no need to re-register.

+-----+

The record on your DC is:

DNS NAME = \_kpasswd.\_udp.ELLIESHQ.LOCAL.

DNS DATA =

SRV 0 100 464 HQDC1.ELLIESHQ.LOCAL.

The record on DNS server 10.0.0.31 is:

DNS NAME = \_kpasswd.\_udp.ELLIESHQ.LOCAL

DNS DATA =

SRV 0 100 464 hqdc1.ellieshq.local

SRV 0 100 464 hqdc2.ellieshq.local

+-----+

The Record is different on DNS server '10.0.0.31'.

DNS server has more than one entries for this name, usually this means there are multiple DCs for this domain.

Your DC entry is one of them on DNS server '10.0.0.31', no need to re-register.

+-----+

The record on your DC is:

DNS NAME = ForestDnsZones.ELLIESHQ.LOCAL.

DNS DATA =

A 10.0.0.30

The record on DNS server 10.0.0.31 is:

DNS NAME = ForestDnsZones.ELLIESHQ.LOCAL

DNS DATA =

A 10.0.0.33

A 10.0.0.32

A 10.0.0.30

A 10.0.0.31

+-----+

The Record is different on DNS server '10.0.0.31'.

DNS server has more than one entries for this name, usually this means there are multiple DCs for this domain.

Your DC entry is one of them on DNS server '10.0.0.31', no need to

re-register.

+-----+

The record on your DC is:  
DNS NAME = \_ldap.\_tcp.ForestDnsZones.ELLIESHQ.LOCAL.  
DNS DATA =  
SRV 0 100 389 HQDC1.ELLIESHQ.LOCAL.

The record on DNS server 10.0.0.31 is:  
DNS NAME = \_ldap.\_tcp.ForestDnsZones.ELLIESHQ.LOCAL  
DNS DATA =  
SRV 0 100 389 jhbdc1.elljhb.ellieshq.local  
SRV 0 100 389 jhbdc2.elljhb.ellieshq.local  
SRV 0 100 389 hqdc1.ellieshq.local  
SRV 0 100 389 hqdc2.ellieshq.local

+-----+

The Record is different on DNS server '10.0.0.31'.  
DNS server has more than one entries for this name, usually this means there are multiple DCs for this domain.  
Your DC entry is one of them on DNS server '10.0.0.31', no need to re-register.

+-----+

The record on your DC is:  
DNS NAME =  
\_ldap.\_tcp.Default-First-Site-Name.\_sites.ForestDnsZones.ELLIESHQ.LOCAL.  
DNS DATA =  
SRV 0 100 389 HQDC1.ELLIESHQ.LOCAL.

The record on DNS server 10.0.0.31 is:  
DNS NAME =  
\_ldap.\_tcp.Default-First-Site-Name.\_sites.ForestDnsZones.ELLIESHQ.LOCAL  
DNS DATA =  
SRV 0 100 389 jhbdc1.elljhb.ellieshq.local  
SRV 0 100 389 jhbdc2.elljhb.ellieshq.local  
SRV 0 100 389 hqdc1.ellieshq.local  
SRV 0 100 389 hqdc2.ellieshq.local

+-----+

The Record is different on DNS server '10.0.0.31'.  
DNS server has more than one entries for this name, usually this means there are multiple DCs for this domain.  
Your DC entry is one of them on DNS server '10.0.0.31', no need to re-register.

+-----+

The record on your DC is:  
DNS NAME = DomainDnsZones.ELLIESHQ.LOCAL.  
DNS DATA =  
A 10.0.0.30

