

Re: DNS Replication between DC1 & DC1

Source:

<http://www.tech-archive.net/Archive/Win2000/microsoft.public.win2000.dns/2006-03/msg00096.html>

- *From:* Allen <AIAmWeBe@xxxxxxxxxxxxxxxx>
 - *Date:* Sun, 12 Mar 2006 15:45:27 -0800
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I appreciate your assistance. Here is the ipconfig /all information as well as DNS Zones.

Microsoft Windows 2000 [Version 5.00.2195]
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ipconfig /all

Windows 2000 IP Configuration

Host Name : lha4ucsdc1
Primary DNS Suffix : lha4.navy.mil
Node Type : Hybrid
IP Routing Enabled. : No
WINS Proxy Enabled. : No
DNS Suffix Search List. : lha4.navy.mil
navy.mil

Ethernet adapter Local Area Connection:

Connection-specific DNS Suffix . : lha4.navy.mil
Description : HP Network Team #1
Physical Address. : xx-xx-xx-xx-xx-xx
DHCP Enabled. : No
IP Address. : 205.69.129.20
Subnet Mask : 255.255.255.0
Default Gateway : 205.69.129.1
DNS Servers : 205.69.129.20
205.69.129.21
Primary WINS Server : 205.69.129.20

Here is the DC1 FWD DNS Zones

Name Type Status
blockeddomains.com Standard Primary Running
lha4.navy.mil Active Directory-integrated Running

Re: DNS Replication between DC1 & DC1

lha4m.usmc.mil Secondary Running
nassau.usmc.mil Secondary Running

Here is the lha4 fwd lookup sample from DC1.

Name Type Data
(same as parent folder) A 205.69.129.20
(same as parent folder) NS lha4ucsd1.lha4.navy.mil.
(same as parent folder) NS lha4ucsd2.lha4.navy.mil.
(same as parent folder) SOA [7473], lha4ucsd1.lha4.navy.mil.,
admin.lha4.navy.mil.
_msdcs
_sites
_tcp
_udp
distroserver CNAME lha4ucsd1.lha4.navy.mil.
gw A 205.69.129.1
isaserver CNAME lha4ucsd2.lha4.navy.mil.
lha4ucsd1 A 205.69.129.20
lha4ucsd2 A 205.69.129.21
proxy CNAME lha4ucsd2.lha4.navy.mil.

Here is the Reverse DNS Zones for DC1

Name Type Status
0.in-addr.arpa Standard Primary Running
127.in-addr.arpa Standard Primary Running
129.69.205.in-addr.arpa Active Directory-integrated Running
255.in-addr.arpa Standard Primary Running

Here is the reverse lookup for lha4

Name Type Data
1 PTR gw.lha4.navy.mil.
20 PTR lha4ucsd1.lha4.navy.mil.
21 PTR lha4ucsd2.lha4.navy.mil.
(same as parent folder) NS lha4ucsd1.lha4.navy.mil.
(same as parent folder) NS lha4ucsd2.lha4.navy.mil.
(same as parent folder) SOA [2703], lha4ucsd1.lha4.navy.mil.,
admin.lha4.navy.mil.

Here is the DC2 FWD DNS Zones

Name Type Status
lha4.navy.mil Active Directory-integrated Running
lha4m.usmc.mil Standard Primary Running
nassau.usmc.mil Standard Primary Running

Re: DNS Replication between DC1 & DC1

Here is the lha4 fwd lookup sample from DC2. I kept most of it out for security reason.

```
Name Type Data
(same as parent folder) A 205.69.129.20
(same as parent folder) NS lha4ucsd1.lha4.navy.mil.
(same as parent folder) NS lha4ucsd2.lha4.navy.mil.
(same as parent folder) SOA [7469], lha4ucsd2.lha4.navy.mil.,
admin.lha4.navy.mil.
_msdcs
_sites
_tcp
_udp
distroserver CNAME lha4ucsd1.lha4.navy.mil.
gw A 205.69.129.1
isaserver CNAME lha4ucsd2.lha4.navy.mil.
lha4ucsd1 A 205.69.129.20
lha4ucsd2 A 205.69.129.21
proxy CNAME lha4ucsd2.lha4.navy.mil.
```

Here is the reverse DNS Zones for lha4 on DC2

```
Name Type Status
0.in-addr.arpa Standard Primary Running
127.in-addr.arpa Standard Primary Running
129.69.205.in-addr.arpa Active Directory-integrated Running
255.in-addr.arpa Standard Primary Running
```

Here is the reverse lookup

```
Name Type Data
1 PTR gw.lha4.navy.mil.
20 PTR lha4ucsd1.lha4.navy.mil.
21 PTR lha4ucsd2.lha4.navy.mil.
(same as parent folder) NS lha4ucsd1.lha4.navy.mil.
(same as parent folder) NS lha4ucsd2.lha4.navy.mil.
(same as parent folder) SOA [2701], lha4ucsd2.lha4.navy.mil.,
admin.lha4.navy.mil.
```

—

Allen

"Kevin D. Goodknecht Sr. [MVP]" wrote:

Re: DNS Replication between DC1 & DC1

Allen wrote:

When I go into AD Sites and Services to manually replicate DC1 and DC2, I get an error on one server and another error on the other.

DC1 Reads:

The following error occurred during the attempt to synchronize the domain controllers: The DSA operation is unable to proceed because of a DNS lookup failure.

DC2 Reads:

The following error occurred during the attempt to contact the domain controllers: The RPC server is unavailable.

I am getting a couple of errors showing in Event Viewer. Some of which are the following:

Event ID 5773

The DNS server for this DC does not support dynamic DNS. Add the DNS records from the file '%SystemRoot%\System32\Config\netlogon.dns' to the DNS server serving the domain referenced in that file.

Event ID 409

The DNS server list of restricted interfaces contains IP addresses that are not configured for use at the server computer.

Use the DNS manager server properties, interfaces dialog, to verify and reset the IP addresses the DNS server should listen on. For more information, see "To restrict a DNS server to listen only on selected addresses" in the online Help.

I have pinged DC1 from DC2 and vice versa with no problem. I did so by both IP and by server name. Both of which were successful. I checked the SVR records and both servers were in DNS properly. However, when I did the DCDIAG it gave me some errors as well.

DC2's server GUID DNS name could not be resolved to an IP address. The server name resolved to an IP address and was pingable.

It also stated during primary tests for "Testing server" that DC2 is skipping all tests because it is not responding to directory service requests. The rest of the tests pass.

When running the NTDSUTIL command I also get the following:

```
ldap_modify_sW error 0x34(52 (unavailable))
extended error 000020AF
svcErr DSID-032101CF
Problem 5002 (unavailable) data 8524
```

Re: DNS Replication between DC1 & DC1

win32 error 0x20af
couldn't be contacted.

I am not sure where to go from here. Any recommendations would be appreciated.

Errors like this typically mean you are using your ISP's DNS (or router's) IP address in TCP/IP properties.
Use only the local AD DNS server's IP address for DNS in TCP/IP properties.
(Usually the DC's address)

You could also have other problems, but posting you ipconfig /all, your AD Domain name, and the list of zones you have in DNS can verify this.

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Best regards,
Kevin D. Goodknecht Sr. [MVP]
Hope This Helps

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When responding to posts, please "Reply to Group"
via your newsreader so that others may learn and
benefit from your issue, to respond directly to
me remove the nospam. from my email address.
=====

<http://www.lonestaramerica.com/>
<http://support.wftx.us/>
<https://secure.lsaol.com/>

=====
Use Outlook Express?... Get OE_Quotefix:
It will strip signature out and more
<http://home.in.tum.de/~jain/software/oe-quotefix/>
=====

Keep a back up of your OE settings and folders
with OEBackup:
<http://www.oehelp.com/OEBackup/Default.aspx>
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