

Re: DNS Issues Preventing ADPREP /Forestprep From Working

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.dns/2004-09/0541.html>

From: Douglas H. Quebbeman (*DougQ_at_IgLou.com*)

Date: 09/15/04

Date: Wed, 15 Sep 2004 10:50:46 -0700

Kevin D. Goodknecht Sr. [MVP] <admin@nospam.WFTX.US> wrote in article <#hbFZIOmEHA.2500@TK2MSFTNGP09.phx.gbl>...

- > *In news:01c49b2f\$110428f0\$e401a8c0@cicc-06,*
- > *Douglas H. Quebbeman <DougQ@IgLou.com> wrote their comments*
- > *Then Kevin replied below:*
- > > ===== *OUTBOUND NEIGHBORS FOR CHANGE NOTIFICATIONS*
- > > =====
- > >
- > > *So I have a schema mismatch...*
- > >
- > > *When I runt he AD replication Monitor, and add jeffserver to the*
- > > *monitored servers list, it shows lines for knowing about only two*
- > > *of my three domain controllers, Jeff's TEGJEFF.COM and the Shreveport*
- > > *server's TEGSHV.COM.*
- >
- > *I am assuming we are dealing one forest with three domains?*

Yes; when I originally set up the WAN, we hosted the links over V.90 dialup connections to the Internet. In those days, I ran Exchange 5.5 on each server using IMC as the site connector. I had asked management for 12 weeks upon delivery of the first Windows 2000 Server for this office so that I could learn about Active Directory and all the other changes Win2k brought.... four weeks in I was told I had two weeks left so Knowledge and Mastery were going to have to wait...

- > *If you look through your dcdiag you'll see you had replication failures for*
- > *almost a year. I think this is due to the multiple subnets and incorrect DNS*
- > *configuration on this DC, which I assume is the schema master.*

The jeffserver is meant to be the schema master, yes. I was aware that DNS wasn't quite right, but generally, users weren't noticing any effects, and my other hobbies^H^H^H^H^H^Hduties kept me too busy to fix it.

- > *also, Since each DC only has a zone for its own domain they cannot resolve*
- > *the other DCs in their DNS. Hence, why you need a secondary zone for the*

> Forest root on all DCs.

I've done that now, as well as finally getting around to creating reverse-lookup zones.

> Also in your ipconfig take a look at this:

```

> PPP adapter {C12801D2-A677-4C9A-AC21-A2EF8637C5F4}:
>
> Connection-specific DNS Suffix . :
> Description . . . . . : WAN (PPP/SLIP) Interface
> Physical Address. . . . . : 00-53-45-00-00-00
> DHCP Enabled. . . . . : No
> IP Address. . . . . : 192.168.3.250
> Subnet Mask . . . . . : 255.255.255.255
> Default Gateway . . . . . :
> DNS Servers . . . . . : 192.168.3.100<--Change to 192.168.1.100
  ^^^ ^^^^^^^ ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

```

Fixed... done!

```

> PPP adapter {A3E407C2-A1F4-456C-ABA1-7CF1413D1E84}:
>
> Connection-specific DNS Suffix . :
> Description . . . . . : WAN (PPP/SLIP) Interface
> Physical Address. . . . . : 00-53-45-00-00-00
> DHCP Enabled. . . . . : No
> IP Address. . . . . : 192.168.2.250
> Subnet Mask . . . . . : 255.255.255.255
> Default Gateway . . . . . :
> DNS Servers . . . . . : 192.168.2.100<--change to 192.168.1.100
  ^^^ ^^^^^^^ ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

```

Fixed... done!

Ok, this has helped greatly, the netdiag output looks even cleaner, especially the DNS test:

```

DNS test . . . . . : Passed
  PASS - All the DNS entries for DC are registered on DNS server '192.168.1.100'.
  PASS - All the DNS entries for DC are registered on DNS server '127.0.0.1'.

```

Dang! That localhost ref is for the dial-in adapter... I saw a reference to this in a posting where you were helping someone else, Kevin... I looked around for the proper way to change the properties for the dial-in interface, I would think it would be somewhere in the RRAS MMC plug-in, but I could not find it. I used REGEDIT to change it to 192.168.1.100, and that fixed it, until I restarted RRAS (to put in effect the other DNS change you pointed out above).

Anyone know how to change the properties of the simple dial-in RAS adapter?

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Also, I'm curious... the WAN is up, but netdiag says

WAN configuration test : Skipped

No active remote access connections.

Not sure this is related to my problem or not. Oh, I have WINS issues too...

Let's see how the dcdiag output looks. Ok, pretty clean too, except for this problem with replication to Evansville:

An Warning Event occured. EventID: 0x800034FA
Time Generated: 09/15/2004 11:56:36
Event String: Following is the summary of warnings and errors encountered by File Replication Service while polling the Domain Controller jeffserver.tegjeff.com for FRS replica set configuration information.

The nTDSConnection object
cn=jeffserver,cn=ntds settings,
cn=evvserver,cn=servers,cn=evansville,
cn=sites,cn=configuration,dc=tegjeff,dc=com
is conflicting with
cn=jeffserver\cnf:15254a3a-7b76-4326-b01d-601bd26489e5,
cn=ntds settings,cn=evvserver,cn=servers,cn=evansville,
cn=sites,cn=configuration,dc=tegjeff,dc=com.
Using cn=jeffserver,cn=ntds settings,
cn=evvserver,cn=servers,cn=evansville,
cn=sites,cn=configuration,dc=tegjeff,dc=com

I went into AD Sites & Services, and found two connection objects...

Not sure which was right... the ones linking Jeffserver & Shreveserver have names that are GUIDs, but one of the Evansville connection objects was one I manually created this morning and was named jeffserver, while the other one was named jeffserver followed by a control character or a character value > 128, then CNF:15254a3a-7b76-4326-b01d-601bd26489e5.

I've deleted them both...

What is the proper way for me to create the connection object that links jeffersonville and evansville? I don't recall creating the ones that link jeffersonville and shreveport, might the system have created them automatically?

BTW Kevin, both you and Ace have been very helpful... I have the resource kit, but w/r/t this problem, I could not find an edge to grab hold of, everything I'd read just led me in circles... so thanks for help rendered so far & anticipated too!

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Regards,
-doug q