

Re: Windows 2003 server DNS problems

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.dns/2005-08/msg00461.html>

- *From:* "Ace Fekay [MVP]" <PleaseSubstituteMyActualFirstName&LastNameHere@xxxxxxxxxxxx>
 - *Date:* Wed, 10 Aug 2005 23:47:58 -0400
-

In news:OAvzcBSnFHA.3300@xxxxxxxxxxxxxxxxxxxxxxxx,

John <john@xxxxxxx> made this post, which I then commented about below:

> I seem to have a problem with an upgrade Windows NT to Windows 2003
> installation.

>

> There was one domain controller on the network, and a second domain
> controller was installed as the temporary upgrade server, the
> temporary server was promoted as a PDC and the original PDC was
> promoted to a BDC. The temporary PDC was disconnected from the
> network and Windows 2003 was applied as an upgrade. Everything went
> ok, then when I added DNS I started to get the errors below. The DNS
> server is setup as a forwarder and is pointing to the router, and
> under tcp/ip properties the server is setup to point to itself.

>

> Here are the errors.

>

> Any idea's?

>

> Thanks

> John

> =====

> Event Type: Error

> Event Source: DNS

> Event Category: None

> Event ID: 4004

> Date: 8/9/2005

> Time: 2:57:45 PM

> User: N/A

> Computer: TEMPSRV

> Description:

> The DNS server was unable to complete directory service enumeration
> of zone abc.com. This DNS server is configured to use information
> obtained from Active Directory for this zone and is unable to load
> the zone without it. Check that the Active Directory is functioning
> properly and repeat enumeration of the zone. The extended error debug
> information (which may be empty) is "". The event data contains the
> error.

> Data:

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```
> 0000: 2a 23 00 00 *#..
>
> =====
> Event Type: Error
> Event Source: DNS
> Event Category: None
> Event ID: 4015
> Date: 8/9/2005
> Time: 2:57:45 PM
> User: N/A
> Computer: TEMPSRV
> Description:
> The DNS server has encountered a critical error from the Active
> Directory. Check that the Active Directory is functioning properly.
> The extended error debug information (which may be empty) is "". The
> event data contains the error.
>
> Data:
> 0000: 51 00 00 00 Q...
>
> =====
>
> Event Type: Warning
> Event Source: LSASRV
> Event Category: SPNEGO (Negotiator)
> Event ID: 40961
> Date: 8/9/2005
> Time: 3:00:43 PM
> User: N/A
> Computer: TEMPSRV
> Description:
> The Security System could not establish a secured connection with the
> server DNS/prisoner.iana.org. No authentication protocol was
> available.
> Data:
> 0000: 8b 01 00 c0 <..À
>
> =====
> Event Type: Warning
> Event Source: LSASRV
> Event Category: SPNEGO (Negotiator)
> Event ID: 40960
> Date: 8/9/2005
> Time: 3:00:25 PM
> User: N/A
> Computer: TEMPSRV
> Description:
> The Security System detected an authentication error for the server .
> The failure code from authentication protocol Kerberos was "There are
> currently no logon servers available to service the logon request.
> (0xc000005e)".
```

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>
> Data:
> 0000: 5e 00 00 c0 ^..À

John,

The 40960 and 40961 SPNEGO errors are based on Kerberos where it tries to verify the SPN (Service Principal Name) and it's "ego", meaning it identifies itself by IP and wants to make sure the reverse PTR entry for that IP points to the correct name under your AD zone. If you create a reverse zone, that error will disappear. This was mandated in 2003. Win2000 didn't check for this.

The 4004 and 4015 errors means the zone is AD Integrated, but it cannot grab the zone data out of the AD database. Tell you what, just for this purpose, since you only have the one DC for right not, change the zone properties to a Primary zone that is not stored in AD and let that go for a couple of days insuring the errors disappear. Once confirmed, change it back to AD Integrated and keep an eye on it.

—
Regards,
Ace

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Ace Fekay, MCSE 2003 & 2000, MCSA 2003 & 2000, MCSE+I, MCT, MVP
Microsoft Windows MVP – Windows Server – Directory Services
Infinite Diversities in Infinite Combinations.

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• ***Follow-Ups:***

◆ ***Re: Windows 2003 server DNS problems***

◇ *From:* Kevin D. Goodknecht Sr. [MVP]

• ***References:***

◆ ***Windows 2003 server DNS problems***

◇ *From:* John

• Prev by Date: ***Re: Subnetted Reverse Lookup***

• Next by Date: ***Re: Weird DNS issue***

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