

## Re: Error on Forwarders in my dcdiag results

---

*Source:*

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.dns/2006-01/msg00244.html>

---

- *From:* "Kevin D. Goodknecht Sr. [MVP]" <[admin@xxxxxxxxxxxxxxxx](mailto:admin@xxxxxxxxxxxxxxxx)>
  - *Date:* Sat, 14 Jan 2006 08:48:58 -0600
- 

Spin wrote:

> Experts,

Read inline please.

> Re-posting as I believe I'm close, but still not at the final  
> solution.  
>  
> I have a question concerning a lingering DCOM problem on my test  
> AD/DNS  
> server at home. To pinpoint why it was trying to use DCOM to  
> communicate  
> with both of my ISP DNS servers (would occur about 1-2 times per  
> week), I removed one of them as a Forwarder. Sure enough, the DCOM  
> error did appear again, but this time only to the one remaining ISP  
> DNS server. So I deleted the remaining one and replaced it with the  
> oft-recommended Verizon DNS servers: 4.2.2.1 and 4.2.2.2. I ran a  
> dcdiag /c /e /v this morning to  
> check things out. The result indicated a "test failure" against both  
> of  
> these new Forwarders, due to a failed "PTR record query for the  
> 1.0.0.127.in-addr.arpa". That is where I am confused. I do not have  
> a  
> 1.0.0.127.in-addr.arpa zone nor do I want one.

You better take a closer look because you do have 1.0.0.127.in-addr.arpa.  
PTR and it is in the 127.in-addr.arpa. zone.

I can't find a requirement by RFC for all DNS servers to have a  
127.in-addr.arpa. zone, but it is recommended that you have one. Otherwise,  
if you use 127.0.0.1 in your DNS server it will send this query to the  
internet when you run nslookup against the 127.0.0.1 address. This is one  
reason I would give for NOT using 127.0.0.1 as the DNS address, because with  
nslookup's behavior of doing a PTR lookup on the DNS server's IP, if you  
didn't have the zone it would forward or recurse the PTR.

Personally, I can't think of a good reason for DCdiag to check forwarders to  
see if they have a 1.0.0.127.in-addr.arpa. PTR record, but many public

Re: Error on Forwarders in my dcdiag results

servers do. I assume mainly to prevent a DNS loop, if someone should query for a PTR for 127.0.0.1.

<more below>

I have:

>

> 0.in-addr.arpa

> 1.168.192.in-addr.arpa <--- only this zone is enabled for dynamic updates

> 127.in-addr.arpa <-----Here is your 127.in-addr.arpa. zone.

> 255.in-addr,arpa

> 40-29.197.x.x.in-addr.arpa

While I cannot be sure, your DCOM error may be related to the delegated reverse zone, have you verified that it is properly set up and delegated?

<more below>

> I just want the error to go away. Relevant snippet of the dcdiag

> results

> are below:

>

> Summary of test results for DNS servers used by the above domain

> controllers:

>

> DNS server: 4.2.2.1 (<name unavailable>)

> 1 test failure on this DNS server

> This is not a valid DNS server. PTR record query for

> the

> 1.0.0.127.in-addr.arpa. failed on the DNS server 4.2.2.1

> [Error details: 9003 (Type: Win32 - Description: DNS

> name

> does not exist.)]

When running these tests, one must carefully take consideration on the tests and decide if a test that fails is really relevant to you or not. I think it is more of a warning J I C you consider removing your 127.in-addr.arpa. zone.

Consider this, your DNS has a 127.in-addr.arpa. zone, is it really relevant for your forwarder to have a PTR for the localhost address?

As long as you have the zone, it won't forward or try to recurse the PTR. I can tell you that if you don't have the zone, if you query for the localhost address PTR, it will put your DNS in a serious loop trying to recurse the PTR.

<end of inline reply>

---

Best regards,

Kevin D. Goodknecht Sr. [MVP]

Hope This Helps

=====

When responding to posts, please "Reply to Group"

Re: Error on Forwarders in my dcdiag results

Re: Error on Forwarders in my dcdiag results

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>  
=====

---

• ***Follow-Ups:***

◆ ***Re: Error on Forwarders in my dcdiag results***

◇ *From:* Spin

• ***References:***

◆ ***Error on Forwarders in my dcdiag results***

◇ *From:* Spin

• Prev by Date: ***Error on Forwarders in my dcdiag results***

• Next by Date: ***Re: Second DNS***

• Previous by thread: ***Error on Forwarders in my dcdiag results***

• Next by thread: ***Re: Error on Forwarders in my dcdiag results***

• Index(es):

◆ ***Date***

◆ ***Thread***