

## Re: Rename 2K3 Domain – DNS Issues

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[http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.active\\_directory/2008-06/msg00293](http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.active_directory/2008-06/msg00293)

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- *From:* Lincoln King-Cliby <[LincolnKingCliby@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:LincolnKingCliby@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Sat, 7 Jun 2008 10:07:01 –0700
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Hi Herb,

Thanks for the reply; comments in-line:

"Herb Martin" wrote:

<snip>

But you should be running a complete DCDiag /c on each and every DC sending the output to a text file (e.g, >dc1.txt) and searching those files for FAIL or WARN messages.

Fix those FAIL or WARN problems, or post them with the other symptoms here.

<snip>

I fixed two items that this brought to my attention (a DC that was less-than-gracefully demoted still had a stray FRS record in the AD and the root hint for l.root-servers.net hadn't been updated)

It's WARNING about non-secure dynamic update being enabled; I can change this to secure only if I have to, but I'm concerned about that breaking updates for certain non-PC network devices.

Also, sometimes after you fix DNS/DC problems you have to either reboot or to avoid that run "DCDiag /fix" (Or NetDiag /Fix) to update those DNS records.

Done.

You might want to check:

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your DCs site membership in AD Sites and Services.

DC #2 is assigned to site #2, DC #1 is assigned to Site #1, and there is an inter-site transport for the two sites.

your #2 DC has its PRIMARY DOMAIN NAME set in the System Control Panel (don't know if this would cause the problem for a DC but it should be done anyway)

I'm not sure I understand where I should look for this; on the "Computer Name" tab, the domain name is listed, and it is the "DNS Suffix for this connection" in the TCP/IP properties — is there somewhere else that this gets set?

review that checklist for renaming the Domain, especially as it applies to each DC and specifically to #2 (and then re-run that DCDiag /fix if you correct anything.)

I don't see a checklist per se, in the domain rename procedure, so I may be looking in the wrong place, but I have read and reread the sections "Domain Rename Requirements" and "Preliminary Steps to Prepare for Domain Rename".

I haven't made any changes to trusts because as I understand it since I'm starting with one domain and ending with one domain there's no trust issue to worry about, nor have I done any of the DFS-related steps since we aren't using DFS.

I have read and verified the information regarding preparing DNS zones

check that the problem DC has ONLY the INTERNAL DNS Servers listed in its NIC->IP Properties->DNS Server. It must be able to find the DYNAMIC zone that corresponds to the domain

Each DC is pointing at the other DC as the primary DNS and itself as secondary; I tried various permutations of both pointing at #1 or #2 as primary with no change.

The DNS zone is likely dynamic since you have one of them registering but check that setting anyway since you just recreated the zones.

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The new zone is set up to allow secure dynamic updates only; I had previously tried allowing secure and unsecure dynamic updates, again with no change

And I'll admit this now... Network Admin is only about 10% of my overall job responsibilities, so this is venturing into fresh territory for me.

Don't worry about that -- we'll help if you just ask and try to be specific in both your requests AND in following instructions and posting the results of doing that.

Thanks! I appreciate the help. Let me know if I need to be more specific