

## Re: DNS Problems adding Win2K3 Server to Existing Win2K Domain

**Source:**

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.migration/2004-12/0098.html>

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**From:** Rebecca Chen [MSFT] (*v-rebc\_at\_online.microsoft.com*)

**Date:** 12/03/04

Date: Fri, 03 Dec 2004 14:32:20 GMT

Hi Robbie,

I would like to jump in and provide my opinions on this issue.

As I have understand, there are only one win2k server plays the DC, file server roles and now you want to use a new machine win2k3 replace the old DC.

The win2k server is called Dharma, DNS name is Dharma.org, it is also the public DNS name.

Below are my comments for your first thread:

1) Run ADPrep /forestprep and ADPrep /domainprep on the Win2K server.

REBC: correct.

2) Joined the Win2K3 server to the existing domain. (The Win2K3 has joined the domain without a problem, and can happily browse shares from the Win2K server.)

3) Checked the "Trust Computer For Delegation" box on the Win2K3 server's record in AD Users and Computers on the Win2K server. (This was just my idea. I don't know if it is necessary or not.)

REBC: This is not necessary.

3) Added a DNS server on the Win2K3 server

REBC: Do you mean you have installed the DNS on win2k3 server? What kind of DNS installed?

Actually, you don't need install DNS on win2k3 server, you need to install DNS on win2k server, which is your old DC.

When you add an additional DC in the network, the win2k3 server need to contact win2k DC, it is not only need to ping thought the win2k server,

win2k3 also need to located to the DNS recorder, such as A recorder to locate to the DC, SRV recorders to locate to the service.

Therefore, I suggest you read to the following article carefully to install the AD-integrated DNS on win2k DC:

To install a DNS server

[http://www.microsoft.com/windows2000/en/advanced/help/default.asp?url=/windows2000/en/advanced/help/sag\\_DNS\\_pro\\_InstallServer.htm](http://www.microsoft.com/windows2000/en/advanced/help/default.asp?url=/windows2000/en/advanced/help/sag_DNS_pro_InstallServer.htm)

Active Directory integration

[http://www.microsoft.com/windows2000/en/advanced/help/default.asp?url=/windows2000/en/advanced/help/sag\\_DNS\\_pro\\_ConfigServerForDS.htm](http://www.microsoft.com/windows2000/en/advanced/help/default.asp?url=/windows2000/en/advanced/help/sag_DNS_pro_ConfigServerForDS.htm)

After doing this, on win2k3 server, point DNS server to win2k DC. Use "nslookup Dharma" and " nslookup Dharma.org" in CMD, can you successfully resolve the name?

NOTE: Win2k should resolve Dharma.org successfully if you specify Dharma.org when you install DNS on win2k. If you do so, in other word, the internal DNS and the external DNS will use the exact the same name. the side effect by doing this is that your internal client cannot go to the www.Dharma.org, this is because win2k DC plays the DNS role and will guild the client to contact win2k DC to visit www.Dharma.org. To resolve this, please add a A recorder in DNS and point www.Dharma.org to your ISP's IP address. By doing this, the client will be guild to your ISP's host to visit the website.

The steps should be:

Rt-click your zone name, select New Host Record, type in www for the name, and give it the actual external IP address.

More details can be found from the link below:

[http://216.239.63.104/search?q=cache:EyiObFom5ckJ:www.talkroot.com/archivee/index.php/t-56641\\_DNS\\_internal\\_namespace\\_same\\_as\\_external\\_www\\_-Problems.html+internal+and+external+same+DNS+name&hl=en](http://216.239.63.104/search?q=cache:EyiObFom5ckJ:www.talkroot.com/archivee/index.php/t-56641_DNS_internal_namespace_same_as_external_www_-Problems.html+internal+and+external+same+DNS+name&hl=en)

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More information:

Enterprise Design for DNS

[http://www.microsoft.com/technet/itsolutions/wssra/raguide/Network\\_Services](http://www.microsoft.com/technet/itsolutions/wssra/raguide/Network_Services)

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SB\_1.msp

Any update, let us get in touch!

Best regards,

Rebecca Chen

MCSE2000 MCDBA CCNA

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>From: [robbie@fordpinto.com](mailto:robbie@fordpinto.com) (Robbie)  
>Newsgroups: *microsoft.public.windows.server.migration*  
>Subject: *Re: DNS Problems adding Win2K3 Server to Existing Win2K Domain*  
>Date: 2 Dec 2004 16:27:45 -0800  
>Organization: <http://groups.google.com>  
>Lines: 47  
>Message-ID: <[fcca0021.0412021627.1cf81126@posting.google.com](mailto:fcca0021.0412021627.1cf81126@posting.google.com)>  
>References: <[fcca0021.0411122117.20775515@posting.google.com](mailto:fcca0021.0411122117.20775515@posting.google.com)>  
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>Content-Type: *text/plain; charset=ISO-8859-1*  
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>X-Trace: *posting.google.com 1102033665 16742 127.0.0.1 (3 Dec 2004 00:27:45 GMT)*  
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>Xref: *cpmsftngxa10.phx.gbl microsoft.public.windows.server.migration:15718*  
>X-Tomcat-NG: *microsoft.public.windows.server.migration*

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>  
>Hi Carsyn,  
>  
>Thank you for the suggestions.  
>  
>> It could cause problems if the internal DNS name and external DNS name  
is  
>> the same. Let's try to change the name Dharma.org after upgrading to  
>> Windows Server 2003 domain to see if it works.  
>  
>Are you suggesting upgrading our old Win2K server to Win2K3 Server? I  
>hope we don't have to do that. Our idea is to replace the old server,  
>not upgrade it. I don't want to damage it before I have another server  
>to take its place.  
>  
>Perhaps you are misunderstanding how simple our old network is. We have  
>a single Win2K Server that is an AD controller. We have no other  
>servers. The Win2K Server provides DNS and DHCP, as well as file and  
>print services. That's all. It's about as plain a network as possible.  
>  
>We have purchased a new computer to replace the old server. We have  
>installed Win2k3 on it. It can join the Win2K domain. It authenticates  
>to the Win2K domain without a problem. The problem we have is that we  
>cannot promote it to be a backup domain controller, due to the  
>problems previously described here. I believe that there is a  
>configuration problem with DNS on the old server, but I don't  
>understand what it is because it appears to do the basic job of DNS  
>just fine.  
>  
>Is it a problem having the dharma as both the name of our Windows  
>domain AND a real world domain (dharma.org)? (Is that what you mean by  
>"internal DNS name and external DNS name"?) If so, please tell me how  
>to rectify it. Do I change the name of our domain from Dharma to  
>something else? And why should that matter?  
>  
>> If the issue is still there, let's try to uninstall the DNS server from  
the  
>> Windows Server 2003 computer and re-join the system to the Windows  
Server  
>> 2000 domain to see if it's okay to promote the server. And, please make  
>> sure that the Win2k3 use Windows 2000 DNS server as the preferred DNS  
>> server.  
>  
>OK, the Win2K3 server is, right now, just another client on the  
>network. It is running DNS, but no computers on the network look to it  
>for DNS. It's TCP/IP properties point to the Win2K computer for it's  
>own DNS resolution. It is not running as a domain controller. It is  
>joined to the Dharma, the Win2K domain. What should I do here?  
>  
>Thanks again,  
>Robbie

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