

RE: About DNS naming convention for Active Directory

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.dns/2005-06/msg00105.html>

- *From:* v-rebc@xxxxxxxxxxxxxxxxxxxxxx ("Rebecca Chen [MSFT]")
 - *Date:* Tue, 07 Jun 2005 08:11:58 GMT
-

Hello,

I am glad to see you here and this the correct place to discuss the DNS issue. We can share the experience from other partners, such as Ace's excellent reply. :)

I would like to add some cents regarding Ace's question about your questions.

- > a) Is it necessary to use our Internet domain name as Domain Name for Active Directory? At the moment, I'm using something like:
 - > corporate.companynamelocal.com for the first AD in the forest. We do have a public Internet domain name (i.e. companyname.com) but >not sure if this is necessary. For the rest of the AD in the forest, what naming convention should I use? Most likely, we'll have one AD
 - > per physical building.

I have discussed this question with other partner for several times. You can use the same name or the different name, however, my opinion is that if you have registered company.com for the internet DNS name, then use corp.company.com for your domain name. It is easier to manager the DNS resolution. You may take a look at the following article also:

Enterprise Design for DNS

http://www.microsoft.com/technet/itsolutions/wssra/raguide/NetworkServices/ignsbp_2.msp

- > b) I set up a brand new install of W2K3 server and ran DCPRMO, I > couldn't make the server to contact first AD. I set up WINS on the > first AD and on the fresh W2K3, I added WINS address as well in the > LMHOST file, I have the DNS of the first AD. From a DOS window, I > can ping first AD using DNS name.

I have the same opinion with Ace, this is the DNS srv record as I have said in another newsgroup. However, I understand you are using Unix DNS to serve win2k3 domain. Actually, it would be better and easier if you have an AD

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integrated DNS in the network. The issue you have encounter is because the client can find the DNS server, however, the DNS server has not the srv record to let the client know where is the domain controller. When the domain controller starts up, it will automatically register the srv record in DNS server; the client query DNS server to get srv record and then can locate to the DC. Therefore, the Unix DNS should support srv record, dynamic update and so on. If the Unix DNS version does not support these conditions, you can create a win2k3 DNS integrated with the Unix DNS. Please take a look at the article below, the concept is the same in win2k3 domain:

Integrating Your Active Directory Namespace Into an Existing DNS Infrastructure With Name Overlap

http://www.microsoft.com/windows2000/techinfo/reskit/deploymentscenarios/scenarios/dns04_integ_adnspc_with_nameoverlap.asp

there are some third-party websites address Unix DNS and windows, you may be interested:

Windows 2003 Interoperability with unix DNS Servers

<http://www.avidware.net/Linux/Windows-2003-linux-dns-server.asp>

Integrating UNIX DNS with Windows 2000

<http://emea.windowssitpro.com/Windows/Article/ArticleID/7874/7874.html>

If you intend to use Unix DNS server does not support SRV, upgrading Unix DNS is a easier way; otherwise, implement win2k3 DNS in the network could be a little complicated task. You may consider contacting Microsoft phone support engineer to smoothly implement the DNS service in the network.

There are really many things to learn to be familiar with win2k3 domain. If you have any update or questions, please feel free to post back.

Good luck!

>From: "Newbie" <newbie@xxxxxxxxxxxx>
>Subject: About DNS naming convention for Active Directory
>Date: Mon, 6 Jun 2005 09:04:03 -0400
>Lines: 30
>X-Priority: 3
>X-MSMail-Priority: Normal
>X-Newsreader: Microsoft Outlook Express 6.00.2900.2527
>X-RFC2646: Format=Flowed; Original
>X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2900.2527
>Message-ID: <eOV04gpaFHA.3328@xxxxxxxxxxxxxxxxxxxxxxxx>
>Newsgroups: microsoft.public.windows.server.dns
>NNTP-Posting-Host: gw1.gennum.com 209.47.33.228
>Path: TK2MSFTNGXA01.phx.gbl!TK2MSFTNGP08.phx.gbl!TK2MSFTNGP09.phx.gbl
>Xref: TK2MSFTNGXA01.phx.gbl microsoft.public.windows.server.dns:12450

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>X-Tomcat-NG: microsoft.public.windows.server.dns
>
>Below is the email I posted on windows.server.active_directory newsgroup
>and
>someone suggested to re-post here as it's related to DNS issues.
>
>-----
>
>
>Hi,
>
>I've successfully upgraded a NT4 PDC to Windows 2003 Active Directory
>running interm mode. Clients can connect to AD no problem. I configured
>without setting up AD as DNS server.
>
>I have a few questions:
>
>a) Is it necessary to use our Internet domain name as Domain Name for
>Active
>Directory? At the moment, I'm using something like:
>corporate.companynamelocal.com for the first AD in the forest. We do have
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>public Internet domain name (i.e. companyname.com) but not sure if this is
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>DNS of the first AD. From a DOS window, I can ping first AD using DNS
>name.
>
>Thanks,
>
>Simon
>
>
>

Best regards,

Rebecca Chen

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that others may learn and benefit from your issue.

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• *Follow-Ups:*

- ◆ *Re: About DNS naming convention for Active Directory*
◇ *From:* Ace Fekay [MVP]

• *References:*

- ◆ *About DNS naming convention for Active Directory*
◇ *From:* Newbie

- Prev by Date: *Re: NSLOOKUP*
- Next by Date: *RE: ForestDNSZones and DoaminDNSZones do not show.*
- Previous by thread: *Re: About DNS naming convention for Active Directory*
- Next by thread: *Re: About DNS naming convention for Active Directory*
- Index(es):
 - ◆ *Date*
 - ◆ *Thread*