

# Re: Maintaining AD-Integrated Reverse Zone With No DHCP Server on Domain Controller

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<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.dns/2006-05/msg00543.html>

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- *From:* "Ace Fekay [MVP]" <PleaseAskMe@xxxxxxxxxxxxxxxx>
  - *Date:* Wed, 31 May 2006 01:00:12 -0400
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In [news:BJqdnYdqwbvnXuHZnZ2dnUVZ\\_u2dnZ2d@xxxxxxxxxxxxx](mailto:news:BJqdnYdqwbvnXuHZnZ2dnUVZ_u2dnZ2d@xxxxxxxxxxxxx), Will <westes-usc@xxxxxxxxxxxxxxxx> stated, which I commented on below:

I didn't get clear answers on my questions.

I apologize.

– The domain is at the root of the forest and has two domain controllers running Windows 2000 and Windows 2003. I cannot make the reverse zones on both domain controllers AD-integrated when the DHCP server runs on a member server. Is that the right result?

No. AD Integrated zones are only available on DCs that are DNS servers. DHCP has nothing to do with zone types.

I'm making the reverse zone on Windows 2003 AD integrated but the W2K DC I'm having to use a secondary zone grabbed from the Windows 2003 DC.

That will sure cause conflicts because the DC/DNS servers will "see" the zone in the AD database (that's what AD Integrated means – stored in the database) and will auto-delete the secondary. If both DCs are in the same domain and if on a 2003 server you create a zone and make it AD Integrated, make sure (in a mixed 2000/2003) scenario that you choose the bottom button for the replication scope or other issues will occur. Once you've done that, be patient and the zone will auto appear on the 2000 machine.

– At what point will reverse zone information be populated by the DHCP server or domain computer into DNS? Will this only happen when the

Re: Maintaining AD-Integrated Reverse Zone With No DHCP Server on Domain Controller

lease is initially taken?

Yes or if there are any changes.

– When will hosts with reservations on the DHCP server update the reverse zone information on DNS?

When something changes. If nothing changes, the record remains as it is.

Here's the process (which reserved clients use too) and more info:

Integrating DNS with DHCP- Dynamic Host Configuration Protocol (DHCP);  
Domain Name System(DNS):

<http://www.microsoft.com/technet/prodtechnol/windowsserver2003/library/DepKit/3d0d1c76-05af-4fa0-aa09-c75a2>

306780 – DHCP Does Not Delete DDNS PTR Record for Expired Leases:

<http://support.microsoft.com/?id=306780>

Follow up discussion on the DNSUpdateProxy-Group (if DHCP is on a DC):

<http://msmvps.com/ulfb-simonweidner/archive/2005/03/26/39841.aspx>

255134 – Installing Dynamic Host Configuration Protocol (DHCP) and Domain Name System (DNS) on a Domain Controller:

<http://support.microsoft.com/?id=255134>

314822 – DHCP Dynamic DNS Registration for Windows 2000 Clients Does Not Work [Option 015]:

<http://support.microsoft.com/default.aspx?scid=kb;en-us;314822>

Dynamic DNS Updates Do Not Work if the DHCP Client Service Stops (264539):

<http://support.microsoft.com/support/kb/articles/264/5/39.ASP>

Dynamic Host Configuration Protocol- Frequently Asked Questions:

<http://www.microsoft.com/technet/itsolutions/network/dhcp/dhcpfaq.mspx>

Configuring and Deploying DHCP with Windows Server 2003 (June 02, 2005 ...):

[http://www.microsoft.com/technet/community/chats/trans/windowsnet/05\\_0602\\_tn\\_dhcp.mspx](http://www.microsoft.com/technet/community/chats/trans/windowsnet/05_0602_tn_dhcp.mspx)

Dynamic update:

<http://technet2.microsoft.com/WindowsServer/en/Library/e760737e-9e55-458d-b5ed-a1ae9e04819e1033.mspx>

I hope that addresses your questions.

Ace

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