

Re: DHCP/DNS problems when migrating computers

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.migration/2009-03/msg00095.html>

- *From:* "Ace Fekay [Microsoft Certified Trainer]" <firstname.lastname@xxxxxxxxxxxxx>
 - *Date:* Mon, 23 Mar 2009 13:57:33 -0400
-

In [news:F766CBCB-C0A6-44F7-AA0B-569B3D876534@xxxxxxxxxxxxxx](mailto:F766CBCB-C0A6-44F7-AA0B-569B3D876534@xxxxxxxxxxxxxx),
Steve Kadish <SteveKadish@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>, posted the following:

Hi all,

Thanks for the responses!

Actually the networks are on different subnets. I am routing between all the subnets and everything is on private lines so there are no VPNs.

Also, our DHCP server is the Cisco one. "Their" DHCP server is the Active Directory one.

Marcin – thanks for the GPO suggestion and link. Definitely a possibility.

Ace – we already have the secondary DNS zones set up as you describe; this was done when we created the trusts between the domains. If I understand you correctly, you are suggesting that we only use our DNS servers in *both* DHCP configs and let DNS sort it out. Is that right? That would be simple, and elegant.

Thanks,
– Steve

Simple and elegant, yes, and if you are routed, that will work. VPN or routed, same thing, you are connected. As for which machine gets an IP from a DHCP server, the ones on their subnet is getting their config from their DNS, and your subnet from your router. So I do not see how they are getting an IP from your router or your machines are getting from their DHCP unless of course the Cisco router is interconnecting and you have a DHCP scope set for both subnets on the router. If that is the case, I would suggest to disable the other scope otherwise it is a conflict of DHCP services on the same subnet.

Since you are assimilating THEM, I would suggest to move away from Cisco DHCP and use your own DC as the DHCP server. And I highly suggest to use WINS on both sides. Configure a WINS server on one of your servers, probably the same DC you configure DHCP on. Then configure the following options on your server.

Re: DHCP/DNS problems when migrating computers

Add the WINS options on THEIR DHCP server for YOUR WINS server: Also use YOUR DNS server instead of theirs on their side. This is the first step to pointing everything on your end.

003 Router address

006 Internal DNS address

015 Internal AD DNS domain name

044 Wins Address

046 WINS Mode – 0x8

This way all resolution is on your end instead of theirs. It consolidates it and centralizes it, and makes it easier towards the final switch over.

Ace

.