

Re: Need DNS For Dummies! Please help!

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.dns/2005-04/msg00813.html>

- *From:* "Ace Fekay [MVP]" <PleaseSubstituteMyActualFirstName&LastNameHere@xxxxxxxxxxxxx>
 - *Date:* Thu, 28 Apr 2005 01:01:38 -0400
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RBell wrote:

> I feel dumb as a brick that I can't figure this out! Here's my
> situation:
>
> For years my company used an ISP that gave us a range of real IP
> addresses. I set up DNS and DHCP on my Win2k Server without any
> trouble and it worked perfectly. Recently we were solicited by a new
> ISP that promised faster service at a better rate. Needless to say
> that we switched. The good news is the service is indeed faster. The
> bad news is I CANNOT get DNS to work.
>
> Setup:
> Firewall/Router (FW/R) statically configured with the one Class A IP
> address assigned to us by the new ISP. DHCP is not enabled on the
> FW/R however NAT is enabled.
>
> The FW/R is connected to the hub as are both of my servers.
>
> The primary server is Win2K (SP4). DHCP is configured to use IP
> addresses in the 192.168.1.X range. The FW/R is specified in the DHCP
> scope. DHCP is working great. All clients are assigned an IP address
> and can access the web with no trouble.
>
> The domain name we use is DomainName.CompanyName.com. I have two name
> servers provided to me by the web host. I also have two DNS servers
> provided by the ISP. I have tried setting up DNS using the name
> servers from our web provider and the DNS servers provided by the
> ISP. Nothing works. I know there is a definite problem as logins take
> 2 minutes now (literally) whereas they used to be 10 to 15 seconds.
> Also I cannot add a network printer to any client by browsing the
> domain. I cannot change permissions on shares because when I try to
> add someone I receive an error that says "The program cannot open the
> required dialog box because no locations can be found."
>
> This is driving me up a wall. Can anyone shed some light on this for
> me?

DNS 101:

Re: Need DNS For Dummies! Please help!

All AD machines (DCs, member servers and clients) MUST always and ONLY use the internal DNS server(s) that AD is using in their IP properties. If using DHCP for your clients, make sure Option 006 ONLY lists the internal DNS server(s) that AD is using.

For Internet resolution, DNS will use the root hints. If you want efficient resolution, you can use a Forwarder to your ISP's DNS server. That is set in DNS properties, Forwarders Tab.

If that rule has been followed, and you are still experiencing problems, please post: an ipconfig /all from your DC and one of your clients.

Thanks!

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Regards,
Ace

Please direct all replies ONLY to the Microsoft public newsgroups so all can benefit.

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Ace Fekay, MCSE 2003 & 2000, MCSA 2003 & 2000, MCSE+I, MCT, MVP
Microsoft Windows MVP – Windows Server – Directory Services

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Infinite Diversities in Infinite Combinations.

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• ***Follow-Ups:***

◆ ***Re: Need DNS For Dummies! Please help!***

◇ *From:* RBell

• ***References:***

◆ ***Need DNS For Dummies! Please help!***

◇ *From:* RBell

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