

# Re: DHCP and DNS

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*Source:*

[http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.network\\_web/2007-08/msg00526.html](http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.network_web/2007-08/msg00526.html)

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- *From:* "Robert L [MVP – Networking]" <noreply@xxxxxxxxxxx>
  - *Date:* Tue, 28 Aug 2007 12:38:51 –0500
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Assuming you can ping the computer by IP, can you ping it by FQDN?

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Networking, Internet, Routing, VPN Troubleshooting on <http://www.ChicagoTech.net>

How to Setup Windows, Network, VPN & Remote Access on <http://www.HowToNetworking.com>

"Joe" <Joe@xxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message

[news:5698A0F4-265B-4D68-976C-B2F460E86695@xxxxxxxxxxxxxxxxxxx](mailto:news:5698A0F4-265B-4D68-976C-B2F460E86695@xxxxxxxxxxxxxxxxxxx)

This is a repost of a question from a couple of weeks ago. I'm hoping someone can point me to some more information, other than a suggestion to 'diagnose the problem'. Any help is appreciated.

I have about 120 Win XP Pro users on my network, all configured to use DHCP. Most network functions are working well, but I have recently found a name resolution problem after adding a new host to the network.

About 10% of the users cannot resolve the new host name. If I ping the host, I get the message "ping request could not find host". But if I run nslookup, I get the correct IP address immediately. The responses are the same if I use the simple host name or the FQDN.

I have run ipconfig /flushdns countless times with no effect. (I have noticed that even after running /flushdns some machines still have many entries when I run /displaydns.)

I can make name resolution work by changing the IP configuration from 'obtain DNS server address automatically' to 'use the following DNS server addresses' and specifying the SAME DNS servers as provided by DHCP. Name resolution then works. If I change the settings back to automatic, name resolution works for about 30 minutes and then stops.

From the number of posts on this issue, it seems to be a 'known' issue, but I have not been able to find a good fix. Does anyone know what the root cause is, and how to fix it?

Thanks,  
Joe