

Re: DHCP assigned DNS servers don't work

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.networking/2007-09/msg00086.html>

- *From:* Joe <Joe@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Fri, 7 Sep 2007 08:10:01 -0700
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Olaf,

An ipconfig /all printout is below. This is definitely not a firewall issue. Although the WinXP firewall is enabled and configured via Group Policy, the problem only affects certain machines. (It does seem to affect laptops more than desktops. Not sure why.) None of the clients are multi-homed. The first two DNS servers are AD controllers running ONLY core services (AD, DNS, DHCP, IAS, WINS.)

C:\>ipconfig /all

Windows IP Configuration

Host Name : vmtest
Primary Dns Suffix : internal.com
Node Type : Hybrid
IP Routing Enabled. : No
WINS Proxy Enabled. : No
DNS Suffix Search List. : internal.com
internal.com

Ethernet adapter Local Area Connection:

Connection-specific DNS Suffix . : internal.com
Description : Intel(R) PRO/100 VE Network
Connecti
on
Physical Address. : 00-07-E9-D6-5A-D1
Dhcp Enabled. : Yes
Autoconfiguration Enabled . . . : Yes
IP Address. : 192.168.1.153
Subnet Mask : 255.255.255.0
Default Gateway : 192.168.1.75
DHCP Server : 192.168.1.38
DNS Servers : 192.168.1.38
192.168.1.39
192.168.1.14
Primary WINS Server : 192.168.1.38
Secondary WINS Server : 192.168.1.39

Re: DHCP assigned DNS servers don't work

Lease Obtained. : Tuesday, September 04, 2007

11:23:01

AM

Lease Expires : Wednesday, September 12, 2007

11:23:

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C:\>

"Olaf Engelke [MVP Windows Server]" wrote:

Hello,

"Joe" <Joe@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message

news:249BBF41-75D1-4AD2-AEA9-D7CD7FF4B7E1@xxxxxxxxxxxxxxxxxxxx

I've posted this issue in other newsgroups with little success. Hopefully someone here can help me.

I have 75 WinXP machines on a Win2K3 domain using DHCP for address assignment. I have found that for some machines, using the DHCP-provided DNS servers fails to resolve all internal host names. If I use DHCP for the IP address only and manually add the DNS servers, name resolution works every time.

In more detail, if I use DHCP to assign the name servers, the ping command will fail on certain internal hosts. However, nslookup works every time.

If

I manually assign the name servers (using the same addresses provided by DHCP) ping works and so does nslookup.

Any thoughts or ideas are greatly appreciated. This problem is preventing me from taking a new system live because a number of machines can't resolve the name.

I have seen a similar behaviour only with the Windows Live One Care Firewall on my laptop. That blocked DHCP and DNS traffic by default.

What is the output of ipconfig /all on the affected clients?

Are the client PCs "multihomed" (multiple network interfaces)?

Best greetings from Germany

Olaf