

Re: Why adding secondary IP to NIC of DNS servers failed ?

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.dns/2006-08/msg00272.html>

- *From:* "Marlon Brown" <MarlonBrown@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Mon, 31 Jul 2006 15:41:42 -0700
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On MyApplicationServer on the network 1.0.0.0, here is the IP address configuration:

The servers which freaked out are all under static IP address configuration. It is true folks are testing a new DHCP server on given networks, but since our servers point to static IP address, I think that is unrelated.

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DHCP Enabled. . . . . : No
IP Address. . . . . : 1.0.0.200
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : 1.0.0.254
DNS Servers . . . . . : 200.1.1.2 (note it is pointing to the
original DNS IP address)
200.1.1.1
Primary WINS Server . . . . Wrong IP ( I don't think this is related to
the DNS issue, but I noticed that WINS IP existing there is invalid)
Secondary WINS Server . . . Wrong IP
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"Greg Lindsay [MSFT]" <greg.lindsay@xxxxxxxxxxxxxx> wrote in message <news:u4%23nqnOtGHA.4968@xxxxxxxxxxxxxxxxxxxxxxxxxx>

Are the people on other networks using a different DHCP server?

What is the order of the preferred DNS servers being sent to clients on the 200.1.1.x network?

—
Greg Lindsay [MSFT]
greg.lindsay@xxxxxxxxxxxxxx

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"Marlon Brown" <MarlonBrown@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message news:ea3NWlTGHA.1888@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

This is the situation:

DNS-ADI-WINS1 = IP=200.1.1.1
DNS-ADI-WINS2 = IP=200.1.1.2

I will have to replace DNS-ADI-WINS1 IP addresses by IP=1.0.0.1 and 1.0.0.2 respectively.

What I did:

I added the IP addresses to the NIC of the DNS servers. That way addresses 200.1.1.1 and 1.0.0.1 coexist. I did that so people could start updating firewall rules, static member server IP addresses, DHCP scope to point to the new DNS IP addresses 10.0.0.x. At scheduled date I would remove the 200.1.1.1 addresses from the NIC of the respective DNS-ADI-WINS servers.

Problem:

After adding the secondary 1.x.x.x IP addresses to the DNS servers TCP/IP properties, people with servers on the specific network 200.1.1.x experienced problems with server resolution. All servers on 200.1.1.1 was unable to successfully return nslookup queries and locate DNS resources. Can someone explain what could be causing this ? Servers on other networks performed OK, only the ones on the same network than the DNS servers