

DHCP Clients getting DNS lookup failures

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.sbs/2006-04/msg00471.html>

- *From:* "Russ" <russelldipesa@xxxxxxxxxxx>
 - *Date:* 3 Apr 2006 13:29:44 -0700
-

To All:

I posted about this earlier, but got no reply. So, I will update on the progress I have made. I am currently getting DNS lookup failures on my client machines. The server can access the Internet without issues. The server is dual NIC running ISA Server and is acting as the

DNS and DHCP server with NAT enabled. Everything was fine on Friday afternoon when I left. This morning, all of the clients were unable to

connect to the Internet. There were some automatic updates that occurred at around 4:03 A.M. Saturday, one of them being the installation of Service Pack 2 of the ISA Server 2004. Then, I noticed in the DNS event log the following events that occurred on Saturday at 4:08 A.M.:

EventID 4015

The DNS server has encountered a critical error from the Active Directory. Check that the Active Directory is functioning properly. The

extended error debug information (which may be empty) is "". The event data contains the error.

For more information, see Help and Support Center at <http://go.microsoft.com/fwlink/events.asp>.

EventID 4004

The DNS server was unable to complete directory service enumeration of zone .. This DNS server is configured to use information obtained from

Active Directory for this zone and is unable to load the zone without

DHCP Clients getting DNS lookup failures

it. Check that the Active Directory is functioning properly and repeat

enumeration of the zone. The extended error debug information (which may be empty) is "". The event data contains the error.

For more information, see Help and Support Center at <http://go.microsoft.com/fwlink/events.asp>.

EventID4004

The DNS server was unable to complete directory service enumeration of zone _msdcs.doubler.local. This DNS server is configured to use information obtained from Active Directory for this zone and is unable to load the zone without it. Check that the Active Directory is functioning properly and repeat enumeration of the zone. The extended error debug information (which may be empty) is "". The event data contains the error.

For more information, see Help and Support Center at <http://go.microsoft.com/fwlink/events.asp>.

EventID 4004

The DNS server was unable to complete directory service enumeration of zone 1.168.192.in-addr.arpa. This DNS server is configured to use information obtained from Active Directory for this zone and is unable to load the zone without it. Check that the Active Directory is functioning properly and repeat enumeration of the zone. The extended error debug information (which may be empty) is "". The event data contains the error.

For more information, see Help and Support Center at <http://go.microsoft.com/fwlink/events.asp>.

EventID 4004

The DNS server was unable to complete directory service enumeration of zone doubler.local. This DNS server is configured to use information obtained from Active Directory for this zone and is unable to load the zone without it. Check that the Active Directory is functioning properly and repeat enumeration of the zone. The extended error debug information (which may be empty) is "". The event data contains the error.

For more information, see Help and Support Center at

DHCP Clients getting DNS lookup failures

<http://go.microsoft.com/fwlink/events.asp>.

After running a dcdiag and netdiag, I noticed that there were some issues with the DNS, so I removed the DNS zones in AD and in Server Management. I recreated them, flushed the DNS and registered the DNS.

Now, when I run dcdiag and netdiag, there are no errors with the DNS.

The DHCP clients all have their Primary DNS set to the local address of the server. My ISPs DNS addresses are set in the Forwarders tab on the server. The clients can ping the local server address and the IP assigned to the 2nd NIC. However, they get no farther than that.

Can some brilliant soul point me in the right direction to get my clients back up and running on the Internet?

Regards,
Russ

.