

Re: AD, DHCP or maybe DNS problem?

Source:

http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.active_directory/2006-06/msg00627

- *From:* Greg P <gsp@xxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Sat, 10 Jun 2006 20:29:01 -0700
-

Jorge,

Unfortunately I m in the same spot that I started in, except we solved the file sharing issue on Laptop 2 by lowering the Norton firewall. I still can t access the internet on the desktop or laptop 2, even though they are on the dame domain as Laptop 1 which can access the internet. With that being said I'm not sure if you still think this is a DNS problem?

Well you said that now you have everything working except Internet, and you also said that you don't have Proxy or any other thing that

prevents/restricts users to access to the internet, so you must have a DNS resolution problem.

Do you have Forwarding enabled in the Dns server?

Yes, this is set up with the correct ip addresses.

Test the resolution on the DC – Go to command prompt and type ping www.microsoft.com – check if returns the Ipaddress of the site

then go to the clients and check if the ping command returns the Ipaddress of the site.

All resolve the IP address, all requests time out.

Right click on it and choose properties then you should have the "File and Print Sharing for Microsoft Networks Selected"; however you should disable/deselect this on the Public Interface (Security purposes).

The File and Print Sharing was selected previously. (there wasn t a Public Interface option for this nic, there are only 4 options in the properties

Re: AD, DHCP or maybe DNS problem?

page, Client for MS Networks, Network Load Balancing, File and Printer Sharing, and TCP/IP)

Check also if it is preventing Internet access or any other access to server or Dns, etc. Best practices here are for test DISABLE the Norton Firewall and test, in this way you can immediately check if this has relation with your current problems.

I uninstalled Norton totally from the desktop. If it can't connect to the internet I can't get a virus :)

"Jorge Silva" wrote:

In line

What is a multihomed DC?

Is a Domain controller with more than one Nic (Network Interface Card) card

What do I need to change on my server to make this work?

Well you said that now you have everything working except Internet, and you also said that you don't have Proxy or any other thing that prevents/restricts users to access to the internet, so you must have a DNS resolution problem.

– Do you have Forwarding enabled in the Dns server? If no go to the Dns console → right click Dns server choose properties → select forwarders tab → Select All other Domains → got to the Selected domain's forwarder Ipaddress list and place the ISP Dns server address → click add → restart Dns service.

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Test the resolution on the DC – Go to command prompt and type ping www.microsoft.com – check if returns the Ipaddress of the site, then go to the clients and check if the ping command returns the Ipaddress of the site.

Are you saying I shouldn't have WINS and DNS on the same computer?

No. What I said was in a Multihomed DC you could have problems with Wins and Dns.

FYI I uninstalled WINS and see the same problem, do I need to remove some records somewhere?

You'll only need WINS if you're using any APP in your network that needs NetBIOS resolution or if you have the need to browse over different subnets using for example Network Places.

As for configuring the DNS as you said I already had the interfaces set to only use the local Nic.

– Great

As for setting the binding order the internal Nic was at the top of the list. How do I check to see if file sharing is only on that NIC?

– Right click on it and choose properties then you should have the "File and Print Sharing for Microsoft Networks Selected"; however you should disable/deselect this on the Public Interface (Security purposes).

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I had lowered the windows firewall but there was a Norton Firewall that was preventing Laptop 2 from Filesharing. That now works. So both the desktop and Laptop 2 have the same issues. They get an IP, can perform Filesharing but can't connect to the internet.

Check also if is preventing Internet access or any other access to server or Dns, etc. Best practices here are for test DISABLE the Norton Firewall and test, in this way you can immediately check if this as relation with your current problems.

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I hope that the information above helps you

Good Luck
Jorge Silva
MCSA
Systems Administrator

"Greg P" <gsp@xxxxxxxxxxxxxxxxxxxx> wrote in message
news:25530004-70F9-484D-A87A-26A6B823685F@xxxxxxxxxxxxxxxxxxxx

Jorge,

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Thanks,
Greg

"Jorge Silva" wrote:

– You shouldn't have a multihomed DC.
check:

Also, make sure the internal adapter is at the top of the
binding order
and
that File Sharing is only bound on the internal adapter.
<http://support.microsoft.com/default.aspx?scid=kb:en-us:266771>

Active Directory communication fails on multihomed
domain controllers

<http://support.microsoft.com/?id=272294>

Name resolution and connectivity issues on a Routing and
Remote Access
Server that also runs DNS or WINS

<http://support.microsoft.com/kb/292822>

– If the machines are running SP2 you need to open the FW
to File share
access.
– Configure the Dns server to listen only on internal adpater
(Open Dns
server mmc console -> Right click on Dns server -> choose
properties ->
goto
interfaces tab -> choose only the following IP Addresses,
and make sure
that
you only have the internal interface there)

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I hope that the information above helps you

Good Luck
Jorge Silva
MCSA
Systems Administrator

Re: AD, DHCP or maybe DNS problem?

"Greg P" <gsp@xxxxxxxxxxxxxxxxxxxx> wrote in message
news:D1DAA442-DF0E-42DC-9725-02A55AFEF4AB@xxxxxxxxxxxxxxxxxxxx

Each client machine is running Win XP Pro.

No Proxy devices.

I can access the internet from the server.

Ipconfig on all 4 machines:

Win 2003 Server

Windows IP Configuration

Host Name : Nugget
Primary Dns Suffix : sbs.net
Node Type : Unknown
IP Routing Enabled. : Yes
WINS Proxy Enabled. : Yes
DNS Suffix Search List. : sbs.net
austin.rr.com

Ethernet adapter Local Area Connection:

Connection-specific DNS Suffix . :
austin.rr.com
Description : NVIDIA nForce
Networking
Controller
Physical Address. :
00-XX-8D-DB-16-XX
DHCP Enabled. : Yes
Autoconfiguration Enabled . . . : Yes
IP Address. : xxx.112.216.xxx
Subnet Mask : 255.255.240.0
Default Gateway : 70.112.208.1
DHCP Server : 10.37.160.1
DNS Servers : 24.93.40.62
24.93.40.63
24.93.40.75
Lease Obtained. : Thursday, June
08, 2006 11:20:40
AM
Lease Expires : Thursday, June
08, 2006 1:20:40
PM

Ethernet adapter Local Area Connection 2:

Connection-specific DNS Suffix . :

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Description : D-Link
DFE-530TX+ PCI Fast
Ethernet
Adapt
er (rev.F)
Physical Address. :
00-xx-46-78-02-xx
DHCP Enabled. : No
IP Address. : 192.168.10.1
Subnet Mask : 255.255.255.0
Default Gateway :
DNS Servers : 192.168.10.1

Laptop 1

Windows IP Configuration

Host Name : Inspiron6000
Primary Dns Suffix : sbs.net
Node Type : Hybrid
IP Routing Enabled. : No
WINS Proxy Enabled. : No
DNS Suffix Search List. : sbs.net
sbs.net
sbs.net

Ethernet adapter Local Area Connection:

Connection-specific DNS Suffix . : sbs.net
Description : Broadcom 440x
10/100
Integrated
Cont
roller
Physical Address. :
00-XX-43-79-BA-XX
Dhcp Enabled. : Yes
Autoconfiguration Enabled : Yes
IP Address. : 192.168.10.4
Subnet Mask : 255.255.255.0
Default Gateway : 192.168.10.1
DHCP Server : 192.168.10.1
DNS Servers : 192.168.10.1
Primary WINS Server :
192.168.10.1
Lease Obtained. : Thursday, June
08, 2006
11:02:35
PM
Lease Expires : Monday,
January 18, 2038

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10:14:07 PM

Ethernet adapter Wireless Network
Connection:

Connection-specific DNS Suffix . : sbs.net
Description : Intel(R)
PRO/Wireless
2915ABG
Networ
k Connection
Physical Address. :
00-12-F0-49-8B-CC
Dhcp Enabled. : Yes
Autoconfiguration Enabled : Yes
IP Address. : 192.168.10.5
Subnet Mask : 255.255.255.0
Default Gateway : 192.168.10.1
DHCP Server : 192.168.10.1
DNS Servers : 192.168.10.1
Primary WINS Server :
192.168.10.1
Lease Obtained. : Thursday, June
08, 2006
9:19:27
PM
Lease Expires : Monday,
January 18, 2038
10:14:07 PM

Desktop 1

Windows IP Configuration

Windows IP Configuration

Host Name :
GREGSDESKTOP
Primary Dns Suffix : sbs.net
Node Type : Hybrid
IP Routing Enabled. : No
WINS Proxy Enabled. : No
DNS Suffix Search List. : sbs.net
sbs.net

Ethernet adapter Local Area Connection:

Connection-specific DNS Suffix . : sbs.net
Description : Intel(R) PRO/100

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VE Network
Connecti
on