

DNS problems – This is driving me crazy

Source:

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I have one server (sbs 2003 sp1 using 192.168.0.200) with one ethernet card; one client PC (XP Pro sp2 using 192.168.0.6); and one D-Link broadband router with a gateway address of 192.168.0.1. Both the server and the client are physically connected to the router.

I have configured and re-configured DNS on the server numerous times. Below is the current ipconfig of my server:

```
Windows IP Configuration
Host Name . . . . . : dansbs
Primary Dns Suffix . . . . . : dan.local
Node Type . . . . . : Hybrid
IP Routing Enabled. . . . . : Yes
WINS Proxy Enabled. . . . . : No
DNS Suffix Search List. . . . . : 192.168.0.200
```

```
Ethernet adapter Server Local Area Connection:
Connection-specific DNS Suffix . :
Description . . . . . : 3Com EtherLink XL 10/100 PCI
For Complete PC
Management NIC (3C905C-TX) #2
Physical Address. . . . . : 00-04-76-BB-59-56
DHCP Enabled. . . . . : No
IP Address. . . . . : 192.168.0.200
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : 192.168.0.1
DNS Servers . . . . . : 192.168.0.200
Primary WINS Server . . . . . : 192.168.0.200
```

The server has passed all of the DNS self-tests and can access the internet just fine. The server CANNOT ping the client.

Below is the current ipconfig of my client:

```
Windows IP Configuration
Host Name . . . . . : danxp
```

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Primary Dns Suffix :
Node Type : Hybrid
IP Routing Enabled. : No
WINS Proxy Enabled. : No
DNS Suffix Search List. : dan.local

Ethernet adapter Local Area Connection 3:
Connection-specific DNS Suffix . : dan.local
Description : VIA Rhine II Fast Ethernet
Adapter
Physical Address. : 00-50-2C-06-D0-E5
Dhcp Enabled. : No
IP Address. : 192.168.0.6
Subnet Mask : 255.255.255.0
Default Gateway : 192.168.0.200
DNS Servers : 192.168.0.200
Primary WINS Server : 192.168.0.200

The client can ping the server by IP, name, and fully qualified name.
The client can ping the D-Link box. The client CANNOT access the internet. The client CANNOT join the domain.

I am puzzled. This should be so easy. I've tried various scenarios. It seems when I fix one side the other side breaks somewhere else.

Any help would be greatly appreciated.

Thanks in advance.

Dan Maday

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