

# Re: DNS problems – This is driving me crazy

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*Source:*

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.sbs/2006-07/msg00733.html>

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- *From:* "SuperGumby [SBS MVP]" <[not@xxxxxxxxxxx](mailto:not@xxxxxxxxxxx)>
  - *Date:* Fri, 7 Jul 2006 16:01:36 +1000
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the funny thing about this one is the DNS Suffix Search List. . . . . :  
192.168.0.200.

did you choose 192.168.0.200 as your AD DNS Name? or have you manually  
changed this (more likely I believe).

the WS appears to be getting dan.local which would seem correct, but that IP  
as domain on the server, well, I just ain't never encountered that, but I  
suspect it will cause problems.

<[danmaday@xxxxxxxxxxx](mailto:danmaday@xxxxxxxxxxx)> wrote in message  
[news:1152251196.248349.177090@xx](mailto:news:1152251196.248349.177090@xx)

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
```

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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  
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