

# Re: DNS across a WAN

---

*Source:*

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.dns/2006-04/msg00363.html>

---

- *From:* "Herb Martin" <[news@xxxxxxxxxxxxxxx](mailto:news@xxxxxxxxxxxxxxx)>
  - *Date:* Tue, 18 Apr 2006 14:28:45 -0500
- 

<kavedweller\_68@xxxxxxxxxx> wrote in message  
[news:1145385906.854313.163410@xx](mailto:news:1145385906.854313.163410@xx)

Hey Herb, this is what i get when i try various tests.

When i do ipconfig /all

Windows IP Configuration

Host Name . . . . . : WENDY  
Primary Dns Suffix . . . . . :

Not part of your MAIN problem but I would like to see you set a DNS Domain name for this machine in your SYSTEM CONTROL PANEL where you name the machine....

Node Type . . . . . : Hybrid  
IP Routing Enabled. . . . . : No  
WINS Proxy Enabled. . . . . : No

Ethernet adapter Local Area Connection:

Connection-specific DNS Suffix . :  
Description . . . . . : Intel(R) PRO/100 VE Network  
Connecti  
on  
Physical Address. . . . . : 00-13-20-CC-7F-E2  
Dhcp Enabled. . . . . : No  
IP Address. . . . . : 192.168.2.100  
Subnet Mask . . . . . : 255.255.255.0  
Default Gateway . . . . . : 192.168.2.1  
DNS Servers . . . . . : 192.168.1.44  
Primary WINS Server . . . . . : 192.168.1.44

When i try to nslookup the ip address i get

Re: DNS across a WAN

```
nslookup 192.168.1.44
```

The above is a request for a REVERSE lookup (IP to Name) and likely doesn't prove anything to you right now.

You instead wish to check if you can LOOKUP a NAME to an IP address.

AND THEN you might want to make an explicit request OF THIS DNS server (that address is also your DNS server.)

```
nslookup Some.Name.YouExpect.ToWork 192.168.1.44
```

```
DNS request timed out.  
timeout was 2 seconds.  
*** Can't find server name for address 192.168.1.44: Timed out  
*** Default servers are not available
```

The error above is perfectly normal — it is due to an artifact of the way NSLookup works. It's bogus and you can ignore the PART ABOVE as long as your real request gets and answer:

When i try nslookup by name

```
nslookup xxx.yyy.com
```

Try a specific DNS server for a name you KNOW it will be able to resolve....

```
Server: UnKnown  
Address: 192.168.1.44
```

```
DNS request timed out.  
timeout was 2 seconds.  
DNS request timed out.  
timeout was 2 seconds.  
*** Request to UnKnown timed-out
```

When i ping the ip address  
ping 192.168.1.44

Pinging 192.168.1.44 with 32 bytes of data:

```
Reply from 192.168.1.44: bytes=32 time=4ms TTL=125
```

Re: DNS across a WAN

At least (limited) routing is working.

Is 192.168.1.44 REALLY a DNS server?

Does it have any Zones?

Can it forward or otherwise resolve the Internet?

You can run the NSlookup commands from the console of the DNS server (192.168.1.44) too — prove that it is WORKING as a DNS server, then prove the clients can ask it questions and get answers etc.

Simplify and isolate the problem one level at a time.

—

Herb Martin, MCSE, MVP  
Accelerated MCSE  
<http://www.LearnQuick.Com>  
[phone number on web site]

Hope this helps!

Thanks!