

Re: Windows 2003 server, DNS forwarding to internet not working

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.networking/2006-02/msg00526.html>

- *From:* network_out <none.none.none>
 - *Date:* Sun, 26 Feb 2006 16:16:07 -0800
-

OK, from the workstation, ping of www.google.com does return the ip address but also 'destination host unreachable'. Ping of the ip address results in 'destination host unreachable'.

Today, when I run nslookup, I get

```
***Can't find server name for address 192.168.0.10: non-existent domain
***Default servers are not available
Default server: unknown
Address: 192.168.0.10
```

I can ping 192.168.0.10 from the ws. Didn't see this error yesterday with nslookup. using nslookup on www.microsoft.com:

```
www.microsoft.com
```

```
server: unknown
address: 192.168.0.10
```

```
Name: www.microsoft.com
address: 63.219.151.20
```

Re the second part of your message (and thanks for helping) yes the ws has the def dns server listed as the server ip (192.168.0.10). However no def gateway address is listed. I have the auto assign ip address option selected and that disables the def gateway field.

I am able to browse the internet from the server. I'm not sure how to check to see if http etc traffic is allowed with the internal network?

In article <O73IFVwOGHA.1040@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>, PleaseSubstituteMyActualFirstName&LastNameHere@xxxxxxxxxxxxx says...

In news:MPG.1e6ae8febf4582f9899b7@xxxxxxxxxxxxxxxxxxxxxxxxxxxx, network_out <none.none.none> stated, which I commented on below:

Re: Windows 2003 server, DNS forwarding to internet not working

Hi – no I'm not able to ping a public ip addr from a workstation. nslookup does work. I've only used nslookup a couple of times so I'm not sure what it implies about my issues.

Thanks

Lack of pinging indicates blocked ICMP. Nonetheless, attempting to ping a name should resolve it. When you ping from the workstation, ping using a public name, such as www.macromedia.com. Tell us if it at least resolves the name to an IP.

Example using nslookup in batch mode querying www.microsoft.com:

=====

```
C:\>nslookup
Default Server: london.nwtraders.msft
Address: 192.168.5.200
```

(at the next prompt line signified by the ">" symbol, type in www.microsoft.com and the results will follow below)

```
www.microsoft.com
```

```
Server: london.nwtraders.msft
Address: 192.168.5.200
```

```
Non-authoritative answer:
Name: lb1.www.ms.akadns.net
Addresses: 207.46.19.30, 207.46.20.60, 207.46.20.30, 207.46.18.30
207.46.198.60, 207.46.19.60, 207.46.199.60, 207.46.198.30
Aliases: www.microsoft.com, toggle.www.ms.akadns.net
g.www.ms.akadns.net
```

```
exit
```

=====

If it cannot resolve www.microsoft.com, then it's indicating DNS traffic is being blocked. Now if you are only using the server's IP for DNS in the workstations, I would suggest to double check if DNS traffic (TCP and UDP 53) is allowed in/out from the server. But since you said the server works, then do you allow HTTP and HTTPS traffic to the internal network? I assume the gateway on the workstations is the Smoothwall.

Ace

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