

## Re: Host of networking problems ...

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*Source:*

[http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.network\\_web/2006-02/msg00255.html](http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.network_web/2006-02/msg00255.html)

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- *From:* Chrejo <[Chrejo@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:Chrejo@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Mon, 6 Feb 2006 13:31:58 -0800
- 

I did as you said by disabling ipv4 and restarted both computers to boot and a few things changed. One, most notably and not sure how significant was the disappearing of the gateway that I described as being disabled. I noticed tho before it disappeared that it was also enabled and I'm not sure why. Yesterday I ran the network wizard a few times trying to get it to work proper and I had some progress by maybe activating ICS like Tony said I needed to but I'm not sure yet if I did, anyways I was thinking that was why the gateway was enaled after I took off IPv6, but why did it disappear? I am thinking it's a good thing because I know it wasn't needed to connect to the internet and was just there as far as I know.

I did notice tho that the tunneling adapters are still there and not sure why.

Here is the latest config so far for pc 1.

Microsoft Windows XP [Version 5.1.2600]  
(C) Copyright 1985-2001 Microsoft Corp.

```
C:\Documents and Settings\Reed>ping 192.168.3.2
```

Pinging 192.168.3.2 with 32 bytes of data:

```
Request timed out.  
Request timed out.  
Request timed out.  
Request timed out.
```

```
Ping statistics for 192.168.3.2:  
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

```
C:\Documents and Settings\Reed>ipconfig /all
```

Windows IP Configuration

```
Host Name . . . . . : user-a15a222baf  
Primary Dns Suffix . . . . . :  
Node Type . . . . . : Unknown
```

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IP Routing Enabled. . . . . : Yes  
WINS Proxy Enabled. . . . . : No  
DNS Suffix Search List. . . . . : no-domain-set.bellcanada

Ethernet adapter Local Area Connection 3:

Connection-specific DNS Suffix . :  
Description . . . . . : NVIDIA nForce Networking  
Controller  
Physical Address. . . . . : 00-13-D4-A1-38-20  
Dhcp Enabled. . . . . : No  
IP Address. . . . . : 192.168.3.1  
Subnet Mask . . . . . : 255.255.255.0  
Default Gateway . . . . . :

Ethernet adapter Local Area Connection 2:

Connection-specific DNS Suffix . : no-domain-set.bellcanada  
Description . . . . . : Marvell Yukon 88E8001/8003/8010  
PCI  
Gigabit Ethernet Controller  
Physical Address. . . . . : 00-13-D4-A1-43-10  
Dhcp Enabled. . . . . : Yes  
Autoconfiguration Enabled . . . : Yes  
IP Address. . . . . : 192.168.2.10  
Subnet Mask . . . . . : 255.255.255.0  
Default Gateway . . . . . : 192.168.2.1  
DHCP Server . . . . . : 192.168.2.1  
DNS Servers . . . . . : 192.168.2.1  
192.168.2.1  
Lease Obtained. . . . . : February 6, 2006 12:06:38 PM  
Lease Expires . . . . . : February 9, 2006 12:06:38 PM

Tunnel adapter Teredo Tunneling Pseudo-Interface:

Connection-specific DNS Suffix . :  
Description . . . . . : Teredo Tunneling Pseudo-Interface  
Physical Address. . . . . : FF-FF-FF-FF-FF-FF-FF-FF  
Dhcp Enabled. . . . . : No  
IP Address. . . . . : fe80::5445:5245:444f%4  
Default Gateway . . . . . :  
NetBIOS over Tcpi. . . . . : Disabled

Tunnel adapter Automatic Tunneling Pseudo-Interface:

Connection-specific DNS Suffix . : no-domain-set.bellcanada  
Description . . . . . : Automatic Tunneling  
Pseudo-Interface  
  
Physical Address. . . . . : C0-A8-02-0A  
Dhcp Enabled. . . . . : No

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IP Address. . . . . : fe80::5efe:192.168.2.10%2  
Default Gateway . . . . . :  
DNS Servers . . . . . : fec0:0:0:ffff::1%1  
fec0:0:0:ffff::2%1  
fec0:0:0:ffff::3%1  
NetBIOS over Tcpip. . . . . : Disabled

Tunnel adapter Automatic Tunneling Pseudo-Interface:

Connection-specific DNS Suffix . :  
Description . . . . . : Automatic Tunneling  
Pseudo-Interface

Physical Address. . . . . : C0-A8-03-01  
Dhcp Enabled. . . . . : No  
IP Address. . . . . : fe80::5efe:192.168.3.1%2  
Default Gateway . . . . . :  
DNS Servers . . . . . : fec0:0:0:ffff::1%1  
fec0:0:0:ffff::2%1  
fec0:0:0:ffff::3%1  
NetBIOS over Tcpip. . . . . : Disabled

C:\Documents and Settings\Reed>

And here is the config data for pc 2:

Microsoft Windows XP [Version 5.1.2600]  
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings\Owner>ping 192.168.3.1

Pinging 192.168.3.1 with 32 bytes of data:

Request timed out.  
Request timed out.  
Request timed out.  
Request timed out.

Ping statistics for 192.168.3.1:  
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\Documents and Settings\Owner>ping 192.168.2.10

Pinging 192.168.2.10 with 32 bytes of data:

Destination host unreachable.  
Destination host unreachable.  
Destination host unreachable.  
Destination host unreachable.

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Ping statistics for 192.168.2.10:  
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\Documents and Settings\Owner>ipconfig /all

Windows IP Configuration

Host Name . . . . . : ATHELON1600XP  
Primary Dns Suffix . . . . . :  
Node Type . . . . . : Mixed  
IP Routing Enabled. . . . . : No  
WINS Proxy Enabled. . . . . : No

Ethernet adapter Local Area Connection:

Connection-specific DNS Suffix . :  
Description . . . . . : Realtek RTL8139/810x Family Fast  
Eth  
ernet NIC  
Physical Address. . . . . : 00-50-FC-32-BB-F8  
Dhcp Enabled. . . . . : No  
IP Address. . . . . : 192.168.3.2  
Subnet Mask . . . . . : 255.255.255.0  
Default Gateway . . . . . :

Tunnel adapter Teredo Tunneling Pseudo-Interface:

Connection-specific DNS Suffix . :  
Description . . . . . : Teredo Tunneling Pseudo-Interface  
Physical Address. . . . . : FF-FF-FF-FF-FF-FF-FF-FF-FF-FF-FF-FF-FF-FF-FF-FF  
Dhcp Enabled. . . . . : No  
IP Address. . . . . : fe80::5445:5245:444f%4  
Default Gateway . . . . . :  
NetBIOS over Tcpip. . . . . : Disabled

Tunnel adapter Automatic Tunneling Pseudo-Interface:

Connection-specific DNS Suffix . :  
Description . . . . . : Automatic Tunneling  
Pseudo-Interface  
  
Physical Address. . . . . : C0-A8-03-02  
Dhcp Enabled. . . . . : No  
IP Address. . . . . : fe80::5efe:192.168.3.2%2  
Default Gateway . . . . . :  
DNS Servers . . . . . : fec0:0:0:ffff::1%1  
fec0:0:0:ffff::2%1  
fec0:0:0:ffff::3%1  
NetBIOS over Tcpip. . . . . : Disabled

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C:\Documents and Settings\Owner>

So that's what it's saying so far. I'm going to try to figure out what Tony suggested now and see how that fairs :-).

Thanks again for the patience and explaining these things to me.

"Chuck" wrote:

On Mon, 6 Feb 2006 08:05:31 -0800, Chrejo <Chrejo@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote:

"Chuck" wrote:

On Sun, 5 Feb 2006 14:35:35 -0800, Chrejo <Chrejo@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote:

(sigh) Where do I start ...

I have been working several hours now on my network problem and have gotten nowhere. I have searched the newsletters and found good info but nothing for my problem exactly.

It seems I can't figure out how to get my two computers to see eachother on the network through a game, this is how it started. It also seems that I can't get my other computer to even share the internet with this one (main comp).

Ok, so I'll mention now that I'm using DSL and the ISP gives me a dynamic ip that the modem comverts to a static one I see through DHCP as 192.168.2.10 (looks like a standard router ip). I'll also mention now that I have 2 network adapters (but acually three show up in network connections, the third is listed as 1394 Net Adapter and is disabled) and I have a gateway that I'm not sure why it's there but it's diabled (I think it installed with the ISP software but unsure). There is only two ports at the back of my computer for

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ethernet (but three adapters?) and those two adapters are the ones I'm trying to use for the network. I basically have my Marvell Yukon 88E8001/8003/8010 PCI Gigabit Ethernet Controller as the one that connects to the internet (modem) and my NVIDIA nForce Networking Controller as the one connected to my second pc via crossover cable (both controllers are onboard). The second pc has a Realtek RTL8139/810x Family Fast Ethernet NIC. I have no router.

I hope this isn't too much but i'll continue (sigh).

Ok, on to the software ... I have windows firewall disabled but have Trend Micro PC-cillin Internet Security 2005 with a firewall enabled and I took steps to make sure it was setup proper but I could be wrong. I will also mention now that both computers can see each other in network neighbourhood and that they can access each others files. I believe when I was setting up the firewall settings in Trend Micro I messed up the ip for the NVIDIA nForce controller, I tried to locate the gateway IP addy and MAC addy with the find feature and it came up with nothing and after that the adapter said it has a "Manually Configured" IP of 192.168.0.1 (I believe it was different before).

I'll mention now that I'm also running XP home on both systems with service pack 2 and I have ran the network setup wizzard on both machines successfully. I have tried pinging both systems and my main pc says "Request timed out" and the second pc says "Destination host unreachable" to both adapters (I figured I would try pinging both adapters since they both have separate IP's). I'll also list now what the ipconfig /all yielded for me.

<SNIP>

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Also when I try to connect with the second PC it asks me to use dialup (it's installed or was installed by the Sympatico software as a backup way to connect if DSL failed for emergencies). I should have mentioned this earlier too but the Network adapter on the second PC says that there is little or no connectivity. Prior to messing around with my network I have now, I was networked with my brothers laptop and it was fine except we couldn't see each other in lan games (could be game related) but everything else looked A'ok. Because I couldn't see him in a lan game tho I got him to install service pack 2 because I thought this might be the issue and it made it so he too had limited or no connectivity to me. I tried to resolve that issue myself but gave up and am now working on my own setup. I mentioned the service pack 2 issue with the laptop to maybe show a connection with that and my two PC's since both had little or no connectivity with my comp but could still access the network. Also the connectivity on my end has always seemed fine (host PC)

I know all this is an awful lot of info but I didn't know what was pertinent and what wasn't, I'm sorry if it's long winded also :-( but I always hated grammar. I really hope someone can help and if I missed anything let me know?

Also what's a tunnel adapter?

Teredo Tunneling (which uses a tunnel adapter) is Microsoft providing IPV6 on a native IPV4 platform. Some folks claim that IPV6 and Windows Networking (browsing / file sharing) works fine with IPV6. My experience is if you have problems, the first thing to do is to remove it from both computers. Get file

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sharing working, then add it back and see if file sharing works.

<<http://nitecruzr.blogspot.com/2005/05/fix-network-problems-but-clean-up.html>>  
<http://nitecruzr.blogspot.com/2005/05/fix-network-problems-but-clean-up.html>

Thanks Chuck, but now I need to know or rather I'm curious what a tunnel adapter is lol!

I'm not sure if you were thinking that was my problem, but I'm pretty sure it's not (but I really don't know) because File sharing has never been the problem, I have always been able to share files even tho I had no connectivity.

But I really appreciate the info I'm so interested in all this I simply love computers, it just frustrates the \*poo\* out of me when I can get something to work but I don't give up (sigh).

Windows Networking (file sharing), and Internet access, uses TCP/IP (with "IP" being IPV4). IPV4 uses IP addresses with the format nnn.nnn.nnn.nnn. TCP/IP (IPV4) and NetBIOS Over TCP/IP, is the default and supported transport for Windows XP, and most preceding Windows versions.

Tunneling is the process of letting an application, running on your native IPV4 computer, communicate with a host that uses only IPV6. The IPV6 communications "tunnel" thru IPV4 to the distant IPV6 network and host.

Teredo Tunneling, and IPV6, are supposed to be transparent to NetBIOS Over TCP/IP. In cases like yours, this may not be the case. Many times, folks like you have written here describing problems like yours. In most cases, removal of IPV6 is essential to resolution of their problems. Google in this forum, if you don't believe me.

<[http://groups.google.com/group/microsoft.public.windowsxp.network\\_web/search?q=IPV6&start=0&scoring=](http://groups.google.com/group/microsoft.public.windowsxp.network_web/search?q=IPV6&start=0&scoring=)  
[http://groups.google.com/group/microsoft.public.windowsxp.network\\_web/search?q=IPV6&start=0&scoring=](http://groups.google.com/group/microsoft.public.windowsxp.network_web/search?q=IPV6&start=0&scoring=)

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Cheers,

Chuck, MS-MVP [Windows - Networking]

<http://nitecruzr.blogspot.com/>

Paranoia is not a problem, when it's a normal response from experience.

My email is AT DOT

actual address pchuck mvps.org.