

Re: Network Communication Failure

Source:

http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.network_web/2004-05/0976.html

From: Gerry (*anonymous_at_discussions.microsoft.com*)

Date: 05/06/04

Date: Thu, 6 May 2004 16:28:43 -0700

>-----Original Message-----

>On Wed, 5 May 2004 09:37:51 -0700, "Gerry"

<anonymous@discussions.microsoft.com>

>wrote:

>

><SNIP>

>

>>I'm selecting "view workgroup computers" to check and see

>>if my computers are seeing each other. Is there a better

>>way to do this?

>>

>>I disabled the bridge with no positive results.

>>

>> Let's take a

>>>look at the static route, maybe a clue there.

>>>

>>>Try disabling ICF on both computers. ICF is only intended

>>for protection

>>>against direct connection to the internet – the NAT router

>>protects you, against

>>>the internet, in your case. For protection against the

>>wireless network, you

>>>should install Sygate or Zone Alarm, after we get this

>>working.

>>>

>>

>>I turned off ICF on both computers with no positive results.

>>

>>>Please provide static route tables for each computer –

>>GerryDT and GerryLT.

>>>Start – Run – "cmd". Type "route print >c:\route.txt"

>>into the command window –

>>>Open c:\route.txt in Notepad, copy and paste into your

>>next post.

>>>

>>

>>I've noticed when I do properties on the network bridge,
>>that there is a section called "select the adapters you
>>>want to use to connect to computers on your local network".
>>I noticed that the Local Area connection and the 1394
>>connection were selected and the wireless network
>>connection was not. So I selected the wireless connection,
>>but still no results, except that I could no longer connect
>>to the internet.
>
><SNIP Static Route listings>
>
>Gerry,
>
>The bridge is the cause of the problem, or is preventing
us from seeing the
>problem.
>
>When selected in the bridge, the wireless connection in
GerryLT uses the ip
>address of the bridge – 169.254.83.132. That address is
on a different subnet
>from GerryDT, which uses 192.168.1.101. Which gives you
no connection from
>GerryLT to GerryDT.
>
>When not selected in the bridge, the wireless connection
in GerryLT now has an
>ip address – 192.168.1.102. Unfortunately, all internet
traffic is routed thru
>the bridge – 169.254.83.132. Which gives you no internet
connection.
>
>IMHO, you need to start by deleting all connections in the
bridge. If that
>doesn't solve the problem (and doesn't create any worse
problem), you need to un
>install then re install all network connections and
hardware. By un installing
>then re installing everything, a route table on GerryLT,
similar to the one on
>GerryDT, will hopefully be built.
>
>One of the challenges here is that, with the bridge
existing, none of the
>network devices which it contains are listed in the output
from "ipconfig" or
>"route print". So we can't really know what you have
without deleting the
>bridge.

I deleted all connections in the bridge and disabled the bridge. I get the following route table from the laptop:

```

=====Interface
List
0x1 ..... MS TCP Loopback interface
0x2 ...00 0c 41 2c fa 38 ..... Wireless-G Notebook Adapter
with SpeedBooster - Packet Scheduler Miniport
0x10005 ...00 08 02 9d 25 da ..... Intel(R) PRO/100 VE
Network Connection - Packet Scheduler Miniport
=====

```

```

Routes:
Network Destination Netmask Gateway
Interface Metric
    0.0.0.0 0.0.0.0 192.168.1.1
192.168.1.102 20
    127.0.0.0 255.0.0.0 127.0.0.1
127.0.0.1 1
    192.168.1.0 255.255.255.0 192.168.1.102
192.168.1.102 20
    192.168.1.102 255.255.255.255 127.0.0.1
127.0.0.1 20
    192.168.1.255 255.255.255.255 192.168.1.102
192.168.1.102 20
    224.0.0.0 240.0.0.0 192.168.1.102
192.168.1.102 20
    255.255.255.255 255.255.255.255 192.168.1.102
10005 1
    255.255.255.255 255.255.255.255 192.168.1.102
192.168.1.102 1
Default Gateway: 192.168.1.1
=====

```

```

=====Persistent
Routes:
None
=====

```

Desktop route table:

```

=====
Interface List
0x1 ..... MS TCP Loopback interface
0x2 ...00 e0 18 e1 98 46 ..... Intel(R) PRO/100 VE Network
Connection - Packet Scheduler Miniport
=====
=====

```

```

Active Routes:
Network Destination Netmask Gateway
Interface Metric
    0.0.0.0 0.0.0.0 192.168.1.1
192.168.1.101 20
    127.0.0.0 255.0.0.0 127.0.0.1
127.0.0.1 1

```

```
192.168.1.0 255.255.255.0 192.168.1.101
192.168.1.101 20
192.168.1.101 255.255.255.255 127.0.0.1
127.0.0.1 20
192.168.1.255 255.255.255.255 192.168.1.101
192.168.1.101 20
224.0.0.0 240.0.0.0 192.168.1.101
192.168.1.101 20
255.255.255.255 255.255.255.255 192.168.1.101
192.168.1.101 1
Default Gateway: 192.168.1.1
```

=====
Persistent Routes:

None

Here is the Linksys router DHCP info that you may find useful:

The DHCP screen allows you to configure the settings for the Router's Dynamic Host Configuration Protocol (DHCP) server function. A DHCP server automatically assigns an IP address to each computer on your network. The Router can be used as a DHCP server for your network. If you already have a DHCP server for your network, then disable the DHCP Server feature.

DHCP Server: Enabled
Starting IP Address: 192.168.1.100
Maximum Number of
DHCP Users: 50
Client Lease Time: 1 day
Static DNS 1: 0.0.0.0
2: 0.0.0.0
3: 0.0.0.0
WINS: 0.0.0.0

DHCP Active IP Table
DHCP Server IP Address: 192.168.1.1
Client Host Name IP Address MAC Address Expires
GerryLT 192.168.1.102 00:0C:41:2C:FA:38 23:49:35
GerryDT 192.168.1.101 00:E0:18:E1:98:46 23:20:38

On this screen, configure the routing mode and settings for the Router. Gateway mode is recommended for most users.

Operating Mode: Gateway
Static Routing: 1()
Destination IP Address: 0.0.0.0
Subnet Mask: 0.0.0.0
Gateway: 0.0.0.0
Interface: LAN & Wireless

Routing Table Entry List

Destination	LAN IP	Subnet Mask	Gateway	Interface
192.168.1.0	255.255.255.0	0.0.0.0	LAN & Wireless	
68.98.48.0	255.255.240.0	0.0.0.0	WAN (Internet)	
0.0.0.0	0.0.0.0	68.98.48.1	WAN (Internet)	

Hope this helps, I have not uninstalled or reinstalled any network connections at this point.

Gerry

>
>*Cheers,*
>*Chuck*
>*Paranoia comes from experience – and is not necessarily a*
bad thing.
>
>