

Re: Chuck, Help! File sharing network issue

Source:

http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.network_web/2007-02/msg00618.html

- *From:* c3k <c3k@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Fri, 23 Feb 2007 11:46:03 -0800
-

Chuck,

Here are the output files again. It seems I left wordwrap enabled. Sorry.

Ken

```
*****  
kensgateway ipconfig3
```

Windows IP Configuration

```
Host Name . . . . . : kensgateway  
Primary Dns Suffix . . . . . :  
Node Type . . . . . : Unknown  
IP Routing Enabled. . . . . : No  
WINS Proxy Enabled. . . . . : No  
DNS Suffix Search List. . . . . : hsd1.ct.comcast.net.
```

Ethernet adapter Local Area Connection:

```
Connection-specific DNS Suffix . : hsd1.ct.comcast.net.  
Description . . . . . : Linksys EG1032 v2 Instant  
Gigabit Network Adapter  
Physical Address. . . . . : 00-12-17-53-71-6E
```

Re: Chuck, Help! File sharing network issue

Dhcp Enabled. : Yes
Autoconfiguration Enabled : Yes
IP Address. : 192.168.1.102
Subnet Mask : 255.255.255.0
Default Gateway : 192.168.1.1
DHCP Server : 192.168.1.1
DNS Servers : 68.87.71.226
68.87.73.242
Lease Obtained. : Friday, February 23, 2007
10:09:04 AM
Lease Expires : Saturday, February 24, 2007
10:09:04 AM

kensgateway browstat3

Status for domain MINIWEB on transport
\Device\NetBT_Tcpip_{22ADEE20-D0BA-4E54-93CB-60B88AF609F5}
Browsing is active on domain.
Master browser name is: CAROLYNCOMPUTER
Could not connect to registry, error = 53 Unable to determine build
of browser master: 53
\\\\CAROLYNCOMPUTE. Version:05.01 Flags: 71203 NT POTENTIAL BACKUP
MASTER
1 backup servers retrieved from master CAROLYNCOMPUTER
\\CAROLYNCOMPUTER
There are 2 servers in domain MINIWEB on transport
\Device\NetBT_Tcpip_{22ADEE20-D0BA-4E54-93CB-60B88AF609F5}
There are 2 domains in domain MINIWEB on transport
\Device\NetBT_Tcpip_{22ADEE20-D0BA-4E54-93CB-60B88AF609F5}

kensgateway netconfig3

Server Name \\KENSGATEWAY
Server Comment Ken's Gateway

Software version Windows 2002
Server is active on
NetBT_Tcpip_{22ADEE20-D0BA-4E54-93CB-60B88AF609F5} (00121753716e)

Re: Chuck, Help! File sharing network issue

NetbiosSmb (000000000000)

Server hidden No
Maximum Logged On Users 5
Maximum open files per session 16384

Idle session time (min) 15
The command completed successfully.

Computer name \\KENSGATEWAY
Full Computer name kensgateway
User name Ken

Workstation active on
NetbiosSmb (000000000000)
NetBT_Tcpip_{22ADEE20-D0BA-4E54-93CB-60B88AF609F5} (00121753716E)

Software version Windows 2002

Workstation domain MINIWEB
Workstation Domain DNS Name (null)
Logon domain KENSGATEWAY

COM Open Timeout (sec) 0
COM Send Count (byte) 16
COM Send Timeout (msec) 250
The command completed successfully.

carolyncomputer ipconfig3

Windows IP Configuration

Host Name : CAROLYNCOMPUTER

Primary Dns Suffix :

Node Type : Unknown

IP Routing Enabled. : No

WINS Proxy Enabled. : No

DNS Suffix Search List. : hsd1.ct.comcast.net.

Re: Chuck, Help! File sharing network issue

Ethernet adapter Local Area Connection:

Connection-specific DNS Suffix . : hsd1.ct.comcast.net.

Description : Intel(R) PRO/100 VE Network
Connection

Physical Address. : 00-07-E9-BC-33-C0

Dhcp Enabled. : Yes

Autoconfiguration Enabled : Yes

IP Address. : 192.168.1.100

Subnet Mask : 255.255.255.0

Default Gateway : 192.168.1.1

DHCP Server : 192.168.1.1

DNS Servers : 68.87.71.226

68.87.73.242

Lease Obtained. : Friday, February 23, 2007
8:23:14 AM

Lease Expires : Saturday, February 24, 2007
8:23:14 AM

carolyncomputer browstat3

Status for domain MINIWEB on transport
\Device\NetBT_Tcpip_{0F95EA8D-4A5C-4918-8B0C-2AA6E1F0ED51}
Browsing is active on domain.

Master browser name is: CAROLYNCOMPUTER

Master browser is running build 2600

1 backup servers retrieved from master CAROLYNCOMPUTER

\\CAROLYNCOMPUTER

There are 2 servers in domain MINIWEB on transport

\Device\NetBT_Tcpip_{0F95EA8D-4A5C-4918-8B0C-2AA6E1F0ED51}

There are 2 domains in domain MINIWEB on transport

\Device\NetBT_Tcpip_{0F95EA8D-4A5C-4918-8B0C-2AA6E1F0ED51}

Re: Chuck, Help! File sharing network issue

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carolyncomputer netconfig3

Server Name \\CAROLYNCOMPUTER
Server Comment Carolyn's Super Mega Computer

Software version Windows 2002
Server is active on
NetBT_Tcpip_{0F95EA8D-4A5C-4918-8B0C-2AA6E1F0ED51} (0007e9bc33c0)
NetbiosSmb (000000000000)

Server hidden No
Maximum Logged On Users 5
Maximum open files per session 16384

Idle session time (min) 15
The command completed successfully.

Computer name \\CAROLYNCOMPUTER
Full Computer name CAROLYNCOMPUTER
User name Super Carolyn

Workstation active on
NetbiosSmb (000000000000)
NetBT_Tcpip_{0F95EA8D-4A5C-4918-8B0C-2AA6E1F0ED51} (0007E9BC33C0)

Software version Windows 2002

Workstation domain MINIWEB
Workstation Domain DNS Name (null)
Logon domain CAROLYNCOMPUTER

COM Open Timeout (sec) 0
COM Send Count (byte) 16
COM Send Timeout (msec) 250
The command completed successfully.

kidscomputer ipconfig3

Windows IP Configuration

Host Name : kidscomputer

Primary Dns Suffix :

Node Type : Unknown

IP Routing Enabled. : No

Re: Chuck, Help! File sharing network issue

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WINS Proxy Enabled. : No

DNS Suffix Search List. : hsd1.ct.comcast.net.

Ethernet adapter Local Area Connection:

Connection-specific DNS Suffix . : hsd1.ct.comcast.net.

Description : Linksys EG1032 v2 Instant
Gigabit Network Adapter

Physical Address. : 00-12-17-53-71-5C

Dhcp Enabled. : Yes

Autoconfiguration Enabled : Yes

IP Address. : 192.168.1.101

Subnet Mask : 255.255.255.0

Default Gateway : 192.168.1.1

DHCP Server : 192.168.1.1

DNS Servers : 68.87.71.226

68.87.73.242

Lease Obtained. : Friday, February 23, 2007
6:46:58 AM

Lease Expires : Saturday, February 24, 2007
6:46:58 AM

kidscomputer browstat3

Status for domain HOME on transport
\\Device\NetBT_Tcpip_{690F587C-999F-4C7B-86FB-61E5B911B2B0}
Browsing is active on domain.
Master browser name is: KIDSCOMPUTER
Master browser is running build 2600
1 backup servers retrieved from master KIDSCOMPUTER
\\KIDSCOMPUTER
There are 1 servers in domain HOME on transport

Re: Chuck, Help! File sharing network issue

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\\Device\NetBT_Tcpip_{690F587C-999F-4C7B-86FB-61E5B911B2B0}
There are 2 domains in domain HOME on transport
\\Device\NetBT_Tcpip_{690F587C-999F-4C7B-86FB-61E5B911B2B0}

kidscomputer netconfig3

Server Name \\KIDSCOMPUTER
Server Comment Kid's Computer

Software version Windows 2002
Server is active on
NetbiosSmb (000000000000)
NetBT_Tcpip_{690F587C-999F-4C7B-86FB-61E5B911B2B0} (00121753715c)

Server hidden No
Maximum Logged On Users 5
Maximum open files per session 16384

Idle session time (min) 15
The command completed successfully.

Computer name \\KIDSCOMPUTER
Full Computer name kidscomputer
User name All

Workstation active on
NetbiosSmb (000000000000)
NetBT_Tcpip_{690F587C-999F-4C7B-86FB-61E5B911B2B0} (00121753715C)

Software version Windows 2002

Workstation domain HOME
Workstation Domain DNS Name (null)
Logon domain KIDSCOMPUTER

COM Open Timeout (sec) 0
COM Send Count (byte) 16
COM Send Timeout (msec) 250
The command completed successfully.

"Chuck" wrote:

On Wed, 21 Feb 2007 07:29:20 -0800, c3k <c3k@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote:

Re: Chuck, Help! File sharing network issue

Re: Chuck, Help! File sharing network issue

"Chuck" wrote:

On Tue, 20 Feb 2007 09:39:08 -0800, c3k
<c3k@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote:

Chuck,

Thank you for that explanation. Before I change any settings, I want to be sure I understand that explanation!

Because my LAN is set up through a switch, I must explicitly enable NetBT. The setting which does this is called "NetBIOS" and I set this, not to "default" – where it is now on all 3 machines, but to "enable".

Is that correct?

As for firewalls, I am using the Windows XP firewall on all 3 computers. What setting would I use to ensure the firewall allows the 3 computers access to each other's shared files?

Thank you,
Ken

Ken,

The NetBIOS Over TCP/IP is a very easily misunderstood setting. It's a checkbox, and from the name, you'd seem to be enabling "NetBIOS" over TCP/IP (as opposed to what?). Actually, you're Enabling Server Message Blocks (SMBs) over "NetBIOS Over TCP/IP", as opposed to SMBs directly hosted on IP. And the SMBs involved affect multiple issues on your computer:

- # The browser (ability to see other computers).
- # Name resolution (ability to find out the addresses of other computers).
- # File sharing (ability to access resources on other computers).
- # Firewall filtering (SMBs use different ports in either case).

<<http://nitecruzr.blogspot.com/2006/07/advanced-windows-networking-using.html>>

Re: Chuck, Help! File sharing network issue

<http://nitecruZR.blogspot.com/2006/07/advanced-windows-networking-using.html>

Chuck,

At the risk of monopolizing more of your time, I must admit that I am thoroughly confused now! I only THOUGHT I was confused before....

I set all computers to enable NetBIOS. That did not change anything.

Then, again digging into your website, using the link you provided below, the applicable situation seems to be my ipconfig /all showing all three node types as "unknown". Your site, and Microsoft's knowledge base, seem to suggest that I run regedit and modify my "EnableProxy" value to either 1 or 0. Is this correct?

That for my situation, a LAN with a switch with NO internet connection problems, but with file sharing access problems, that a regedit enableproxy value change is indicated as the next step in troubleshooting?

How difficult would it be to completely eradicate any networking artifacts from my computers and try to start from scratch? (I am assuming that following the network setup wizard somehow led me into an erroneous configuration.)

Ken,

The NetBT setting is where you start. If you have another problem (not uncommon here), you have to work on that problem next. Node Type "Unknown" is normally NOT a problem.

<<http://nitecruZR.blogspot.com/2005/05/address-resolution-on-lan.html>>
<http://nitecruZR.blogspot.com/2005/05/address-resolution-on-lan.html>

Let's look at "browstat status", "ipconfig /all", "net config server", and "net config workstation", from each computer, [HERE](#), and diagnose the problem. Read this article, and linked articles, and follow instructions precisely (download browstat!):

<<http://nitecruZR.blogspot.com/2005/05/troubleshooting-network-neighborhood.html#AskingForHelp>>
<http://nitecruZR.blogspot.com/2005/05/troubleshooting-network-neighborhood.html#AskingForHelp>

Or, you can read my tutorial on solving network problems.

<<http://nitecruZR.blogspot.com/2005/08/solving-network-problems-tutorial.html>>
<http://nitecruZR.blogspot.com/2005/08/solving-network-problems-tutorial.html>

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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.

Re: Chuck, Help! File sharing network issue

My email is AT DOT
actual address pchuck mvps org.