

Re: Changing Node Type

Source:

http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.network_web/2006-04/msg00552.html

- *From:* Chuck <none@xxxxxxxxxxx>
 - *Date:* Thu, 13 Apr 2006 20:45:48 -0700
-

On Thu, 13 Apr 2006 18:31:02 -0700, MNM <MNM@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote:

"Chuck" wrote:

On Wed, 12 Apr 2006 20:25:01 -0700, MNM
<MNM@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote:

"Chuck" wrote:

On Mon, 10 Apr 2006 18:19:01 -0700,
MNM
<MNM@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>
wrote:

"MNM" wrote:

Give me a
few days to
get the time
to run the
programs
and gather
the info.

Thanks a
whole
bunch
Chuck.

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I feel I must reiterate an important point. The two computers can only communicate when the ADSL modem is powered up. Everything, computers and modem, is connected to the hub.

Also, under the network setup wizard I chose OTHER in the "Select Connection Method" screen. On the next I chose, "This computer connects to the Internet directly or through a network hub..." This was done on both machines.

I do remember during the intall of XP Pro (desktop w/ Unknown Node Type) I beleive I answered NO to a question relateing to DHCP. And, some networking compocomponents are not intsalled as well.

MNM

What make and model modem are we talking about?

Details might be very useful here. The question that you answered, and the missing network components, are very likely at least part of the problem. The diagnostics that I requested will provide some good clues.

<http://nitecruZR.blogspot.com/2005/06/background-information-useful-in.html>

There are two states in which I gathered the information. State 1 is with the ADSL unpowered, and state 2 with it powered up. I also included a ping

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test for each state since there was something very interesting
I found in
State 1, the laptop could ping the desktop but not vice versa.

The desktop is running XP Pro Ver 2002, SP 2 (English
Lang. OS)
The laptop is running XP Home Ver 2002, SP2 (Japanese
Lang. OS)
The ADSL modem is an NEC- Aterm DR207C (Japanese
Market)
[Yes, I currently reside in Japan.]

- I. No ADSL
 - A. Desktop
 - 1. IP Config/all
 - 2. Browstat
 - 3. Ping
 - B. Laptop
 - 1. IP Config/all
 - 2. Browstat
 - 3. Ping
- II. With ADSL
 - A. Desktop
 - 1. IP Config/all
 - 2. Browstat
 - 3. Ping
 - B. Laptop
 - 1. IP Config/all
 - 2. Browstat
 - 3. Ping

I.A.1
Windows IP Configuration

Host Name : M

Primary Dns Suffix :

Node Type : Unknown

IP Routing Enabled. : No

WINS Proxy Enabled. : No

Ethernet adapter Mark's Connection:

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Connection-specific DNS Suffix . :

Description : 3Com EtherLink 10/100 PCI NIC
(3C905-TX)

Physical Address. : 00-60-08-16-B7-30

Dhcp Enabled. : Yes

Autoconfiguration Enabled : Yes

Autoconfiguration IP Address. . . : 169.254.27.194

Subnet Mask : 255.255.0.0

Default Gateway :

I.A.2

Status for domain UCHI on transport

\\Device\NetBT_Tcpip_{83E1E4BC-21BE-4765-BEC7-45823D15EE33}

Browsing is active on domain.

Master browser name is: M

Could not connect to registry, error = 5 Unable to determine
build of

browser master: 5

Unable to determine server information for browser master:

5

1 backup servers retrieved from master M

\\M

Unable to retrieve server list from M : 2351

I.A.3

Pinging 169.254.1.26 with 32 bytes of data:

Request timed out.

Request timed out.

Request timed out.

Request timed out.

Ping statistics for 169.254.1.26:

Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

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I.B.1

Windows IP Configuration

Host Name : R

Primary Dns Suffix :

Node Type : Hybrid

IP Routing Enabled. : No

WINS Proxy Enabled. : No

Ethernet adapter Rumi's Connection:

Connection-specific DNS Suffix . :

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

Physical Address. : 00-00-39-F1-10-C4

Dhcp Enabled. : Yes

Autoconfiguration Enabled : Yes

Autoconfiguration IP Address. . . : 169.254.1.26

Subnet Mask : 255.255.0.0

Default Gateway :

I.B.2

Status for domain UCHI on transport

\\Device\NetBT_Tcpip_{1A1696A7-23BE-4059-B7F1-E47D3DFD0DBB}

Browsing is NOT active on domain.

Master name cannot be determined from GetAdapterStatus.

I.B.3

Pinging 169.254.27.194 with 32 bytes of data:

Reply from 169.254.27.194: bytes=32 time<1ms TTL=128

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Reply from 169.254.27.194: bytes=32 time<1ms TTL=128

Reply from 169.254.27.194: bytes=32 time<1ms TTL=128

Reply from 169.254.27.194: bytes=32 time<1ms TTL=128

Ping statistics for 169.254.27.194:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 0ms, Average = 0ms

II.A.1

Windows IP Configuration

Host Name : M

Primary Dns Suffix :

Node Type : Unknown

IP Routing Enabled. : No

WINS Proxy Enabled. : No

Ethernet adapter Mark's Connection:

Connection-specific DNS Suffix . :

Description : 3Com EtherLink 10/100 PCI NIC
(3C905-TX)

Physical Address. : 00-60-08-16-B7-30

Dhcp Enabled. : Yes

Autoconfiguration Enabled : Yes

IP Address. : 192.168.0.2

Subnet Mask : 255.255.255.0

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Default Gateway : 192.168.0.1

DHCP Server : 192.168.0.1

DNS Servers : 192.168.0.1

Lease Obtained. : Tuesday, April 11, 2006
20:42:52

Lease Expires : Wednesday, April 12, 2006
20:42:52

II.A.2

Status for domain UCHI on transport

\\Device\NetBT_Tcpip_{83E1E4BC-21BE-4765-BEC7-45823D15EE33}

Browsing is active on domain.

Master browser name is: M

Could not connect to registry, error = 5 Unable to determine
build of

browser master: 5

Unable to determine server information for browser master:
5

1 backup servers retrieved from master M

\\M

Unable to retrieve server list from M : 2351

II.A.3

Pinging r [192.168.0.6] with 32 bytes of data:

Reply from 192.168.0.6: bytes=32 time<1ms TTL=128

Reply from 192.168.0.6: bytes=32 time<1ms TTL=128

Reply from 192.168.0.6: bytes=32 time<1ms TTL=128

Reply from 192.168.0.6: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.0.6:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 0ms, Average = 0ms

II.B.1

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Windows IP Configuration

Host Name : R

Primary Dns Suffix :

Node Type : Hybrid

[SNIP]

"Did you take the "ipconfig /all" and "ping x" at the same time?"

I don't think I did them in the same session. I did check to make sure the IP addresses were matching w/ ZoneAlarm before the ping.

{Now I know I can set a range to make life easier. I feared some else might hack into the network through one of the other addresses.}

[SNIP]

"And concentrate on the two computers while powered up and connected."

They communicate and share files/printers just fine when the ADSL is powered up. Since starting down this path, I wonder if the time and effort are worth it. I wanted to have the two computers communicate with out the ADSL just as before (Desktop had Windows 2000 Pro). I think that XP, regardless of the flavor, will not let this happen. I reouted the ADSL power adapter to the power strip to make life easier. Now, it powers up with everything else.

So Chuck, Do you think I should be happy with what I have (live with just having the ADSL running with everything else)?

Mark

Mark,

I have to admit, I'm a bit curious about what you had earlier, when they would communicate without the modem being powered up. It's pretty basic – if you have computers connected thru a powered hub (switch / NAT router), and the power is cut, you're not going to have any communication. In fact, one of the advantages of using a hub is supposed to be a central point where you can terminate all communication, as desired, without having to spend time unplugging cables. Just cut the power.

I think you should accept reality. Communication requires electricity. If you have communication, be thankful.

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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.

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