

Re: How to ICS WinXP-SP2? This should be simple! !ALMOST SOLVED!

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Source:

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 - *Date:* Tue, 30 May 2006 18:23:25 -0600
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In article <bn1p72p950n1cvsaulpbqgiteiasduk3ih@xxxxxxxx>, Ribs <Whiteboi@xxxxxxxxxxxx> wrote:

Your setup should work fine. ICS can use a USB connection for the Internet and a FireWire connection for the home network. I've just set it up that way on my network, and I'm sending this message from the client computer.

Make sure that the host is using the FireWire connection, not the LAN connection, for the home network.

These tests should help find the problem:

1. On the host, right click the FireWire connection and click Status | Support | Details. It should show:

IP Address: 192.168.0.1
Subnet Mask: 255.255.255.0
Default Gateway: none
DNS Server = none

2. On the client, right click the FireWire connection and click Status | Support | Details. It should show:

IP Address: 192.168.0.x (1<x<255)
Subnet Mask: 255.255.255.0
Default Gateway: 192.168.0.1
DNS Server = 192.168.0.1

3. If #1 and #2 are right, open a command prompt window on the client and enter these lines. Each one should get four replies:

```
ping 192.168.0.1  
ping 216.239.39.99  
ping google.com
```

4. If #1-#3 are right, enter these addresses in Internet Explorer on

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the client. They should both take you to the Google web page:

<http://216.239.39.99>

<http://google.com>

Steve,

Thank you! This is where I was before, it's what's in the ICS set-up instructions everywhere. However, you have presented some diagnostics that should help. Because of your networking background, I think the complete solution should be trivial for you.

First, this all worked fine from the client, including pinging Google at 216.239.39.99 and opening their page via <http://216.239.39.99>.

To reach other sites, I used my host to ping other web and news sites, and get their IP addresses. Then I went to my client and entered these in manually. Everything worked!

But trying to access 'Net addresses from my client via the names, i.e., google.com or news.comcast.net, no names are resolved into addresses. It appears my host PC is not working as a DNS properly.

My next step was to find the addresses of the primary and secondary DNS's on my client. Using "Status | Support | Details..." I found both addresses. Everything works perfect now!

Now, a further question, hopefully a perfect solution. I think it will cause trouble in the future that I needed to manually enter my "Preferred" and "Alternate" DNS servers in manually on my client. I know that occasionally, my ISP changes these.

Isn't there a way to get my client to find the host's DNS addresses automatically?

Maybe the settings on my client need to be adjusted, so it seeks the current DNS servers from my host.

Thanks so far!

You're welcome, Ribs. Setting the client's DNS server address to the default of 192.168.0.1 should work, but I've seen cases where it doesn't. You've found the right solution for that: configuring the client to use your ISP's DNS servers. If your ISP changes them in the future, you'll know it, because the host will be able to access web sites by name, and the client won't be able to. If that happens, you know how to fix it.

I don't know of any way to have the client automatically get the

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current DNS servers from the host.

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Best Wishes,
Steve Winograd, MS-MVP (Windows Networking)

Please post any reply as a follow-up message in the news group for everyone to see. I'm sorry, but I don't answer questions addressed directly to me in E-mail or news groups.

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