

RE: ICS between desktop and laptop

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"Tom in Michigan" wrote:

Here is my dilemma. I have a desktop that has a dial up connection. That's all that is currently available in my area. I have a Laptop with a wireless uplink card built in. I was told by my local pc repair shop that I could network the two together by installing a wirelessG card in the desktop. They also informed me that I would not have to purchase/use a router. The desktop would act as the access point. All I want to do is to be able to access the internet from my laptop without having to hardwire it. I know that since it's only dialup, the bandwidth wouldn't be the greatest. Both PCs are running Windows XP (SP2) the desktop has XP Pro while the laptop has XP Home. I also know that the desktop would have to be turned on and signed into my ISP for the laptop to log on. Could somebody walk me through the steps please. I have some knowledge but mainly in assembly not in networking. If someone is willing to walk me through this I could do it. Sorry this is so lengthy. Again - thanks for any info.

The same rules apply, but you need two NICs on the Host, one of them will be the Wireless Adapter, which will talk to the Laptop and give access to the Internet, <<<I'm not sure but you could try (Ad-Hoc) as last resort if you want to experiment>>>.

Configuring Windows XP IEEE 802.11 Wireless Networks for the Home and Small Business

<http://www.microsoft.com/technet/prodtechnol/winxppro/maintain/wifisoho.msp>

Here are some steps to perform and hopefully you will get Internet Connection sharing up and running:

How to set up a ICS:

Hardware:

- Two Computers
- The Host has Two NICs
- Cross-Over cable (if you will not use a hub with 10base-T/100base-T, cat5, patch cable)
- Client has a NIC installed and all TCP/IP, DNS configured to get the IP Auto.
- Enabling the ICS on both the Host and the Client

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1 – How to set the Host:

You need to set the Host first as the Host will play the Distributor Role in the ICS so you need to set up correctly to allow ICS;

Click Start >> Control Panel >> Network and internet connections >> Network Connections then Right click My network paces and select Properties.

Here you should see or have two internet connection one for your Internet connection and one for your local Area Network (LAN).

Right click Internet Connection and select properties.

On the Properties Window click on Advanced Tab and check these boxes:

Internet Connection Sharing:

Allow other network users to connect through this computer's Internet Connection

Allow other Network users to control or Disable the hared Internet Connection.

Click [OK] to Confirm your settings and close the Internet connection Window.

2 – Setting up the Client:

The same Go to the Control panel and Network Connections >> here at least you should have one Internet connection Icon or Service

Installed, if not then your NIC or hardware not installed and you need to install it configure it.

On the Local Area Network Right click and select properties.

Under general tab Highlight the Internet Protocol and click properties.

* Client for Microsoft Networks

* Internet Protocol (TCP/IP) 9If you don't have those then install them)

Make sure the Machine getting an Automatic IP, DNS then click Advanced and make sure also that there is not an old settings and all the DNS, WINS IP filtering are all empty and there are no entries.

Troubleshooting Internet Connection Sharing in Windows XP

<http://support.microsoft.com/kb/308006>

"Internet Connection Sharing with Windows XP by Sharon Crawford"

http://www.microsoft.com/windowsxp/using/networking/expert/crawford_02july01.msp

Service redirection does not apply to Internet Connection Firewall

<http://support.microsoft.com/kb/297942>

Description of the Windows Firewall feature in Windows XP Service Pack 2

<http://support.microsoft.com/kb/843090>

Troubleshooting Windows Firewall in Microsoft Windows XP Service Pack 2

<http://www.microsoft.com/technet/prodtechnol/winxppro/support/wftshoot.msp>

Here is a complete step-by-step on how to set up ICS:

<http://www.chicagotech.net/icssetup.htm>

Troubleshooting step by step:

<http://howtonetworking.com/Troubleshooting/notaccessibale0.htm>

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HTH.

Let us know your progress.

Regards,

nass

www.nasstec.co.uk

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