

# Re: Windows XP Internet Connection Sharing (ICS)

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*Source:*

<http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.accessibility/2005-06/msg00159.html>

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- *From:* Weyde\_one <[Weydeone@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:Weydeone@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Wed, 15 Jun 2005 14:02:04 -0700
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Sharon:

Thanks for the helpful tips and the links. The workgroup is already setup and was actually working fine. I have setup a few of those. This is my first time using ICS; normally I use a router with built-in hub ports or a switch/router combination so that all workstations connect to a common gateway.

I was tempted to use a static IP address for the "client", but was not sure if it would adversely effect the process.

Thanks again.

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weyde\_one

"Sharon F" wrote:

- > On Wed, 15 Jun 2005 13:00:07 -0700, Weyde\_one wrote:
- >
- >> Thanks for the tip. I read at least two versions of instructions for
- >> configuring ICS. Each set of instructions specifies that the "client"
- >> workstation(s) should be configured to obtain an IP address and DNS server
- >> address automatically.
- >>
- >> On the first day I setup ICS, I initially configured both the ICS "host"
- >> and the client to obtain an IP addresses automatically. This configuration
- >> did not work well, as the "client" was assigned a random IP address that was
- >> out of the valid range of the ICS"host". I subsequently configured the
- >> static IP address 192.168.0.1 and a mask of 255.255.255.0 on the "host" and
- >> left the "client" configured to receive its information automatically. This
- >> configuration allowed the workstations to work well together, sharing the
- >> Internet connection as well as a local printer.
- >>
- >> Today, after both workstations were restarted, the "client" workstation
- >> again was assigned the random IP address and subnet mask. Now the ICS

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>> workstation cannot communicate with the "client", nor can they share the  
>> printer, or the Internet connection.  
>>  
>> By the way, on the first day of connecting them, I did restart both  
>> computers several times to verify that could share the Internet connection as  
>> well as the local printer.  
>  
> The "host" computer has to be running for ICS to work. You'll see a 169.\*  
> address when the client computer fails to obtain an IP number in the  
> correct range from the "host." This is an APIPA address or "public IP."  
> The cause of the failure can vary. Even if you have everything setup  
> correctly, the timing can be off a hair between the various systems when  
> the client is seeking its IP and there goes your dynamically assigned  
> address. You can restart the client system and hope it succeeds (sometimes  
> works since many processes remain in memory for a restart instead of  
> loading fresh). Or perform an ipconfig /release and /renew from a command  
> prompt window. Or, and probably the simplest, assign static IPs to the  
> "clients."  
>  
> ICS is an optional part of a workgroup structure. Since you are sharing a  
> printer, is it possible that there are other resources that you want  
> shared? I'm thinking that you may want to delve a little deeper into  
> getting a workgroup setup (one that includes ICS).  
>  
> If all machines in the workgroup run XP, the network wizard is handy and  
> effective. It supposedly works well with mixed networks but I find that  
> it's better to set those manually instead of using the wizard. There are  
> several articles in the Windows XP Expert Zone on setting up a home network  
> (including ICS): <http://www.microsoft.com/windowsxp/expertzone/default.msp>  
>  
> I also find the home networking articles at [www.practicallynetworked.com](http://www.practicallynetworked.com) to  
> be helpful too.  
>  
> --  
> Sharon F  
> MS-MVP ~ Windows Shell/User  
>  
>

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• **Follow-Ups:**

- ◆ **Re: Windows XP Internet Connection Sharing (ICS)**  
◇ From: Sharon F

• **References:**

- ◆ **Windows XP Internet Connection Sharing (ICS)**  
◇ From: Weyde\_one
- ◆ **Re: Windows XP Internet Connection Sharing (ICS)**  
◇ From: Sharon F
- ◆ **Re: Windows XP Internet Connection Sharing (ICS)**

Re: Windows XP Internet Connection Sharing (ICS)

◇ *From:* Weyde\_one

◆ ***Re: Windows XP Internet Connection Sharing (ICS)***

◇ *From:* Sharon F

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