

## Re: Using XP PC as Gateway, add Wireless router, can't share across

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[http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.network\\_web/2007-05/msg00478.html](http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.network_web/2007-05/msg00478.html)

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- *From:* Jay <[Jay@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:Jay@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Wed, 23 May 2007 18:03:01 -0700
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Hi Steve,

The changes you suggested worked and I now have my wireless router set up as a gateway/access point with the LAN port plugged into my switch.

However, it didn't work right away and took over an hour for things to settle out and allow me to quickly connect to the Internet with a decent connection speed.

Not sure why.

I rebooted my cable modem, router, switch, gateway computer, local PCs, etc. but this didn't immediately fix the problem. Had to leave the house for a while and when I came back home everything was working ...

There was another thing I noticed that seemed different with the gateway PC than when I used my router as the DHCP server. When I made the changes and then went to my local PCs to change the IP address that had previously been assigned by the router, the PC had already recognized the new address from the gateway server without my intervention and had already updated it.

(Then again, I'm not getting enough sleep these days and it's possible my recollection of the details isn't as accurate as I imagine ;-)

As you instructed, I assigned a new IP address to my router to match the subnet the gateway PC uses. (192.168.0.x) However, I wasn't able to figure out how to set the range of IP addresses the gateway computer doles out in order to prevent it from using the one I assigned to my router. This may eventually cause a potential IP address conflict so I wonder if you know where I go to make these changes on my XP gateway computer ?

Thanks again for your help. Will update the thread if anything new develops.

Jay

"Steve Winograd [MVP]" wrote:

Re: Using XP PC as Gateway, add Wireless router, can't share across

In article <FA293327-3C19-40D1-919F-74F8DA45AAA6@xxxxxxxxxxxxxx>, Jay <Jay@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote:

Hi All,

I'm using a spare PC running Windows XP Pro configured as a gateway to allow other computers to access the Internet through this PC. (I set this up using the Connection Wizard so please don't be too impressed ... ;-)

I did this at my ISP's request to help us troubleshoot a very persistent but intermittent problem we've been working on for two months. Apparently they can run better analysis tools on the PC than they can when using my router.

Thanks.

Jay

You've already come up with a common way to solve the problem: connect one of the wireless router's LAN ports to the Netgear switch, and disable the router's DHCP server. That should let the host computer act as the DHCP server for a single subnet serving both the wired and wireless computers. But you say that it doesn't work. What problem happens with that setup?

Another solution, which I use in my home network, is to configure the wireless router as a wireless access point only. My Belkin Wireless G router has a "Use as Access Point" option built in. Your USR router might, too.

Internet Connection Sharing always assigns a static IP address of 192.168.0.1 to the host computer's LAN connection. That's normal.

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

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<http://mvp.support.microsoft.com>