

# Can't Ping My Own IP Address

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*Source:*

[http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.network\\_web/2005-12/msg00286.html](http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.network_web/2005-12/msg00286.html)

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- *From:* "Don" <[don.mies@xxxxxxx](mailto:don.mies@xxxxxxx)>
  - *Date:* 7 Dec 2005 10:23:00 -0800
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I'm running XP Pro with all the latest updates. I have 2 machines both running the same version of XP Pro on my local net. The 2 machines are connected to the same D-Link router and the router is connected to a cable modem and on to my ISP.

Something happened on one of the machines that suddenly cut off access to the Internet for most of the applications. Applications like Firefox and Thunderbird will not talk to the net at all getting a "connection refused by server" message. Outlook can sometimes get out. IE is the only application that can get to the net pretty consistently but even that is not 100%. Some pages won't come up.

The second machine on the local net is still working fine so I assume the router hardware and cable modem are still working correctly and the problem must be software on the bad machine.

The obviously wrong symptom on the broken machine is that I cannot ping that machine's own IP address (either numerically or symbolically).

The good computer can ping its own IP address with no problems and has no trouble getting out to the Internet and this second machine can ping the computer that is having the trouble.

I've tried adding entries for both local machines into the hosts file but that had no effect on the problem.

I've tried running with the XP firewall disabled and enabled with no change in the symptoms and currently have it disabled and the service is not even running. The firewall does not make any difference to the good machine. That machine works with the firewall either disabled or enabled so the firewall is probably not the problem.

I've tried resetting the TCP/IP stack using "netsh" with no effect.

I've tried restoring the system to a previously known good working point using the system restore utility and it reported that there were no differences in the system files and did nothing.

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I've tried reinstalling XP and that did not fix the problem either.

I've tried updating the driver on my NIC to the latest version and that did not fix the problem.

I can ping the other computer on my home network and I can ping both 127.0.0.1 and "localhost" on the problem machine with no problems. The "good" computer can ping all of the above and it can ping the "bad" computer. It can also ping its own IP address just fine. Both machines can ping the router with no problems. The only ping that does not work is on the problem machine trying to ping itself.

Running the XP network diagnostic on the "good" computer shows everything passing with no errors but running it on the bad computer shows everything passing except the ping of itself.

In the process of trying to post information on the net from my good machine, I had to somehow get data from the bad machine to the good one. I can't use a floppy because the bad machine does not have a floppy drive.

What I wound up doing was creating a shared folder on the "good" machine and mapping it on the "bad" machine and that worked. I am able to map network drives that exist on the "good" machine onto the "bad" one. The reverse does not work though. I cannot create a shared folder on the "bad" machine and map it on the "good" one. When I try to map a folder this way, the "good" machine sees the "bad" machine's name as part of my local network but it cannot see anything inside the machine.

The IP is set up as DHCP from my local router. I've released and renewed the license several times using ipconfig and even forced it to use a different IP address by changing the settings in my router. None of that had any effect.

The DNS server is passed through my router to the ISP and appears to work fine as the other computer on my home net has no problems accessing the net.

The WINS settings are to enable LMHOSTS lookup and the NetBIOS is set to the "default" setting. No WINS servers are specified.

I tried comparing the settings on the two machines. So far, I think I've gone through all the dialog boxes there are and have not found any differences in the setting on the two machines except one. In the Network Connections dialog box (Start/Settings/Network Connections), the good machine shows only one entry under "LAN or High-Speed Internet" which is the local area connection.

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The bad machine has 2 entries under that heading but one is for the firewire interface (that I'm not currently using). However, the bad machine also has a heading entitled "Internet Gateway" and there is one connection listed under that which reads "Internet Connection" with type "Internet Gateway", status "Connected", and name "Internet Connection". I've been told that this is an entry for the ICS service.

Trying to bring up the properties window on this connection results in a dialog box that does not have any useful information in it. Right clicking on it and asking for it's status brings up a dialog box that indicates that the connection is good and working fine and there is constant send and receive traffic on the interface (not a large amount but the counters do constantly increment). There is a "disable" button on this form and pressing it causes the router to release it's IP address thereby disabling the connection to my ISP. Choosing the "enable" option causes the router to "renew" its IP address and everything works fine again.

I've tried everything I can think of to get rid of this entry and cannot. I've even resorted to disabling the firewall/ICS service and confirmed that it is not running any more but the entry still exists. I've also tried manually editing the registry to disable the ICS service (per a posting on the net) and that did not work either.

When I reboot the bad system and immediately log on and bring up the Network Connections dialog box, the Gateway entry is missing but after about 30–60 seconds, it suddenly appears in the window again.

Can anyone tell me if this Internet Gateway entry is what is causing my ping problems and if so, what can I do to fix it?

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- *Follow-Ups:*

- ◆ *Re: Can't Ping My Own IP Address*

- ◇ *From: Chuck*

- Prev by Date: *Re: XP Boots Fast, But Logs On Really Slow*

- Next by Date: *Windows XP Prof can't see server*

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