

# How to Assign a Static IP Address in Windows 7, Vista, XP

When organizing your home network it's easier to assign each computer it's own IP address than using DHCP. Here we will take a look at doing it in XP, Vista, and Windows 7.

If you have a home network with several computes and devices, it's a good idea to assign each of them a specific address. If you use DHCP *(Dynamic Host Configuration Protocol),* each computer will request and be assigned an address every time it's booted up. When you have to do troubleshooting on your network, it's annoying going to each machine to figure out what IP they have.

Using Static IPs prevents address conflicts between devices and allows you to manage them more easily. Assigning IPs to Windows is essentially the same process, but getting to where you need to be varies between each version.

#### Windows 7

To change the computer's IP address in Windows 7, type *network and sharing* into the Search box in the Start Menu and select Network and Sharing Center when it comes up.

Control Panel (3)
Network and Sharing Center
📧 Find and tx networking and connection problems
🐝 Choose homegroup and sharing options
₽ See more results
network and sharing × Shut down +
🧐 🖉 🚍 🔍 🥥 🔛

Then when the Network and Sharing Center opens, click on *Change adapter settings*.



Right-click on your local adapter and select Properties.



In the Local Area Connection Properties window highlight *Internet Protocol Version 4 (TCP/IPv4)* then click the Properties button.

Local Area Connection Properties
Networking Sharing
Connect using:
Intel(R) 82578DC Gigabit Network Connection
Configure
This connection uses the following items:
✓       Client for Microsoft Networks         ✓       ✓
Description Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.
OK Cancel

Now select the radio button *Use the following IP address* and enter in the correct IP, Subnet mask, and Default gateway that corresponds with your network setup. Then enter your Preferred and Alternate DNS server addresses. Here we're on a home network and using a simple Class C network configuration and Google DNS.

Check *Validate settings upon exit* so Windows can find any problems with the addresses you entered. When you're finished click OK.

Internet Protocol Version 4 (TCP/IPv4)	Properties ? X
General	
You can get IP settings assigned autor this capability. Otherwise, you need to for the appropriate IP settings.	matically if your network supports o ask your network administrator
Obtain an IP address automatical	lly
• Use the following IP address:	
IP address:	192.168.2.2
Subnet mask:	255.255.255.0
Default gateway:	192.168.2.1
Obtain DNS server address autor	natically
Ouse the following DNS server add	dresses:
Preferred DNS server:	8.8.8.8
Alternate DNS server:	8 . 8 . 4 . 4
Validate settings upon exit	Advanced
	OK Cancel

Now close out of the Local Area Connections Properties window.

Local Area Connection Properties
Networking Sharing
Connect using:
Intel(R) 82578DC Gigabit Network Connection
Configure
This connection uses the following items:
<ul> <li>✓ Client for Microsoft Networks</li> <li>✓ WWare Bridge Protocol</li> <li>✓ QoS Packet Scheduler</li> <li>✓ File and Printer Sharing for Microsoft Networks</li> <li>✓ Internet Protocol Version 6 (TCP/IPv6)</li> <li>✓ Internet Protocol Version 4 (TCP/IPv4)</li> <li>✓ Link-Layer Topology Discovery Mapper I/O Driver</li> <li>✓ Link-Layer Topology Discovery Responder</li> </ul>
Install     Uninstall     Properties       Description     Allows your computer to access resources on a Microsoft network.
Close Cancel

Windows 7 will run network diagnostics and verify the connection is good. Here we had no problems with it, but if you did, you could run the network troubleshooting wizard.



Now you can open the command prompt and do an *ipconfig* to see the network adapter settings have been successfully changed.

Windows IP Configuration	
Ethernet adapter Local Area Connect	ion:
Connection-specific DNS Suffix Link-local IPv6 Address	. : . : fe80::11e3:1d23:al
IPv4 Address	. : 192.168.2.2 . : 255.255.255.0
Default Gateway	. : 192.168.2.1

### Windows Vista

Changing your IP from DHCP to a Static address in Vista is similar to Windows 7, but getting to the correct location is a bit different. Open the Start Menu, right-click on Network, and select Properties.



The Network and Sharing Center opens...click on Manage network connections.



Right-click on the network adapter you want to assign an IP address and click Properties.

File Edit	View Too	ls Adv	anced	Help		
🎍 Organize	▼ 📰 Vie	ews 🔻	🗙 Dis	able t	his netwo	rk device
Name	Status	Dev	ice Nam	ie	Connect	ivity N
LAN or High	-Speed Inter	met (1) –				
Loc Net	al Area Con	nection				
🎻 Inte	el(R) Pl	Disable				
		Status				
		Diagnos	se			
		Bridge (	Connect	ions		
		Create S	Shortcut	:		
		Delete				
		Rename	2			
		Properti	ies			
	_	l	2			

Highlight Internet Protocol Version 4 (TCP/IPv4) then click the Properties button.

Local Area Connection Properties
Networking
Connect using:
Intel(R) PRO/1000 MT Network Connection
Configure
This connection uses the following items:
<ul> <li>Client for Microsoft Networks</li> <li>QoS Packet Scheduler</li> <li>File and Printer Sharing for Microsoft Networks</li> <li>Internet Protocol Version 6 (TCP/IPv6)</li> <li>Internet Protocol Version 4 (TCP/IPv4)</li> <li>Internet Protocol Version 4 (TCP/IPv4)</li> <li>Internet Protocol Version 4 (TCP/IPv4)</li> <li>Ink-Layer Topology Discovery Mapper I/O Driver</li> <li>Ink-Layer Topology Discovery Responder</li> </ul>
Install Uninstall Properties Description Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.
OK Cancel

Now change the IP, Subnet mask, Default Gateway, and DNS Server Addresses. When you're finished click OK.

Internet Protocol Version 4 (TCP/IPv4)	Properties ? X			
General				
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.				
Obtain an IP address automatically				
O Use the following IP address:				
IP address:	192.168.2.4			
Subnet mask:	255.255.255.0			
Default gateway:	192.168.2.1			
Obtain DNS server address auton	natically			
Ose the following DNS server add	resses:			
Preferred DNS server:	8.8.8.8			
Alternate DNS server:	8.8.4.4			
	Advanced			
	OK Cancel			

You'll need to close out of Local Area Connection Properties for the settings to go into effect.

Local Area Connection Properties
Networking
Connect using:
Intel(R) PRO/1000 MT Network Connection
Configure
This connection uses the following items:
<ul> <li>Client for Microsoft Networks</li> <li>QoS Packet Scheduler</li> <li>File and Printer Sharing for Microsoft Networks</li> <li>Internet Protocol Version 6 (TCP/IPv6)</li> <li>Internet Protocol Version 4 (TCP/IPv4)</li> <li>Internet Protocol Version 4 (TCP/IPv4)</li> <li>Ink-Layer Topology Discovery Mapper I/O Driver</li> <li>Link-Layer Topology Discovery Responder</li> </ul>
Install Uninstall Properties
Description
Allows your computer to access resources on a Microsoft network.
Close

Open the Command Prompt and do an *ipconfig* to verify the changes were successful.

C:\Users\mysticgeek>ipconfig		
Windows IP Configuration		
Ethernet adapter Local Area Connect Connection-specific DNS Suffix Link-local IPv6 Address IPv4 Address Subnet Mask	ion - : - : - :	: fe80::b1b1:6eba: 192.168.2.4 255.255.255.0 192.168.2.1

## Windows XP

In this example we're using XP SP3 Media Center Edition and changing the IP address of the Wireless adapter.

To set a Static IP in XP right-click on My Network Places and select Properties.



Right-click on the adapter you want to set the IP for and select Properties.

LAN or High-Speed Internet	
5	Vireless Network Connection
_ (m) ,	View Available Wireless Networks
	Status
	Repair
	Bridge Connections
	Create Shortcut
	Delete
	Rename
	Properties

Highlight Internet Protocol (TCP/IP) and click the Properties button.

🕹 Wireless Network Connection Properties 🛛 🕐 🔀
General Wireless Networks Advanced
Connect using:
High Rate Wireless LAN Mini PCI Ad Configure
This connection uses the following items:
Client for Microsoft Networks
File and Printer Sharing for Microsoft Networks
Internet Protocol (TCP/IP)
Install     Uninstall     Properties     Description
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.
<ul> <li>Show icon in notification area when connected</li> <li>Notify me when this connection has limited or no connectivity</li> </ul>
OK Cancel

Now change the IP, Subnet mask, Default Gateway, and DNS Server Addresses. When you're finished click OK.

Internet Protocol (TCP/IP)Properties ? 🔀	
General	
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.	
Obtain an IP address automatically	/
• Use the following IP address:	
IP address:	192.168.2.5
Subnet mask:	255 . 255 . 255 . 0
Default gateway:	192.168.2.1
Obtain DNS server address autom	atically
<ul> <li>Use the following DNS server add</li> </ul>	resses:
Preferred DNS server:	8.8.8.8
Alternate DNS server:	8 . 8 . 4 . 4
	Advanced
	OK Cancel

You will need to close out of the Network Connection Properties screen before the changes go into effect.

🕹 Wireless Network Connection Properties 🛛 🕐 🔀	
General Wireless Networks Advanced	
Connect using:	
High Rate Wireless LAN Mini PCI Ad Configure	
This connection uses the following items:	
<ul> <li>Client for Microsoft Networks</li> <li>File and Printer Sharing for Microsoft Networks</li> <li>QoS Packet Scheduler</li> <li>Internet Protocol (TCP/IP)</li> </ul>	
Install Uninstall Properties	
Allows your computer to access resources on a Microsoft network.	
<ul> <li>Show icon in notification area when connected</li> <li>Notify me when this connection has limited or no connectivity</li> </ul>	
Close	

Again you can verify the settings by doing an *ipconfig* in the command prompt. In case you're not sure how to do this, click on Start then Run.



In the Run box type in *cmd* and click OK.



Then at the prompt type in *ipconfig* and hit Enter. This will show the IP address for the network adapter you changed.





### Technical Support Information Monday-Friday 9:00am-5:00pm (Eastern Time Zone) Toll Free: 888-271-6807 Support@Thinksign.com