

IT Essentials 5.0

10.3.1.9 Lab - Configure a Windows Vista Firewall

Print and complete this lab.

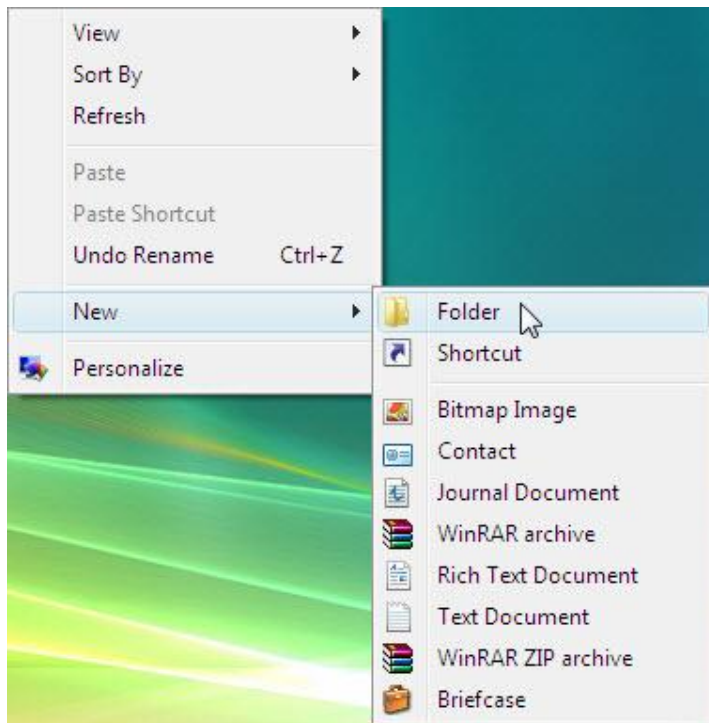
In this lab, you will explore the Windows Vista Firewall and configure some advanced settings.

Recommended Equipment

- Two computers directly connected or connected through a hub or switch
- Windows Vista installed on both computers
- Computers are in the same workgroup and share the same subnet mask

Step 1

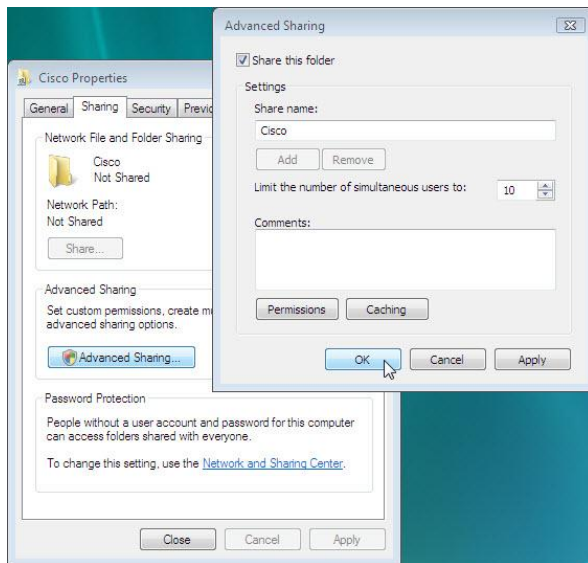
For computer 1, right-click on the desktop, select **New > Folder**.



Name the folder Cisco.

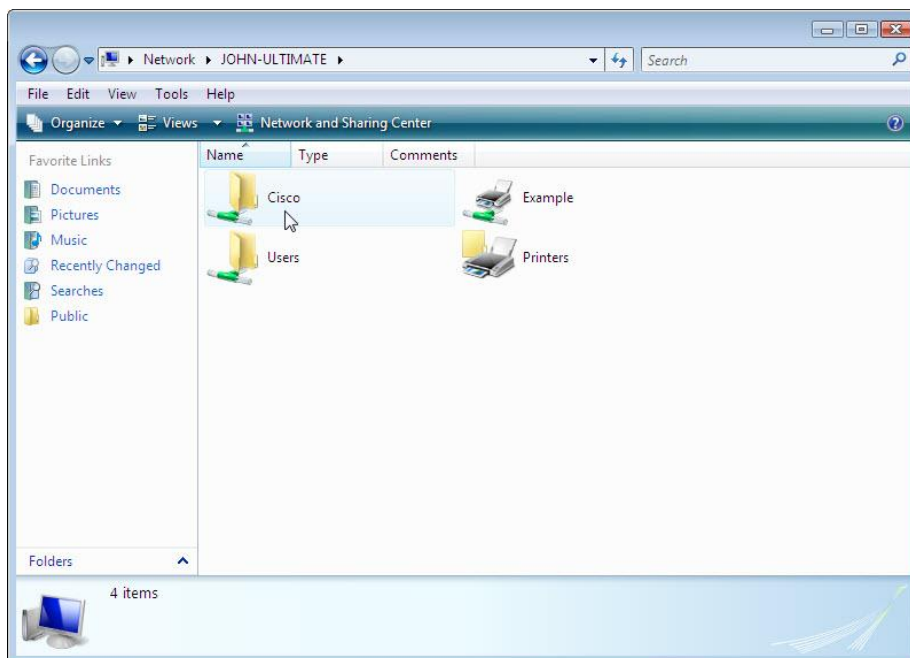
Right-click on the Cisco folder then select **Share > Continue**.

The “Advanced Sharing” window opens.



Share the folder, use the default name **Cisco**.

From computer 2 click **Start > Control Panel > Network and Sharing Center > Network** icon (icon with the network name you are connected to).



Double click **computer 1**.

Can you see the shared folder Cisco?

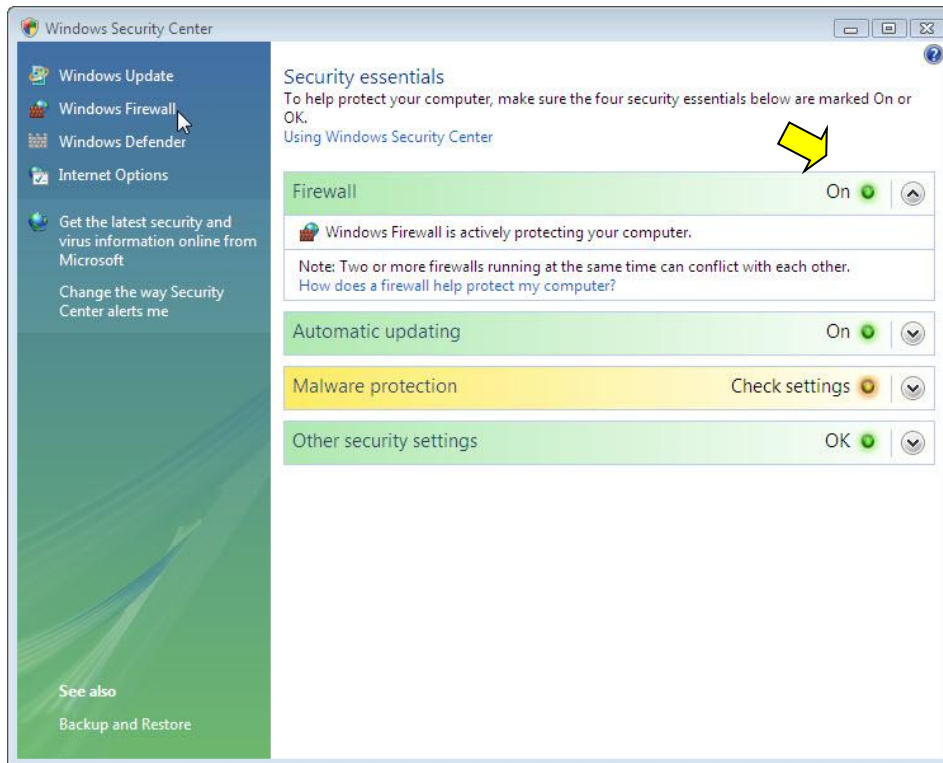
Note: If you answered no, ask the instructor for help.

Close **Network**.

Note: Use computer 1 for the rest of the lab unless otherwise stated.

Step 2

Navigate to the Windows Vista Firewall.



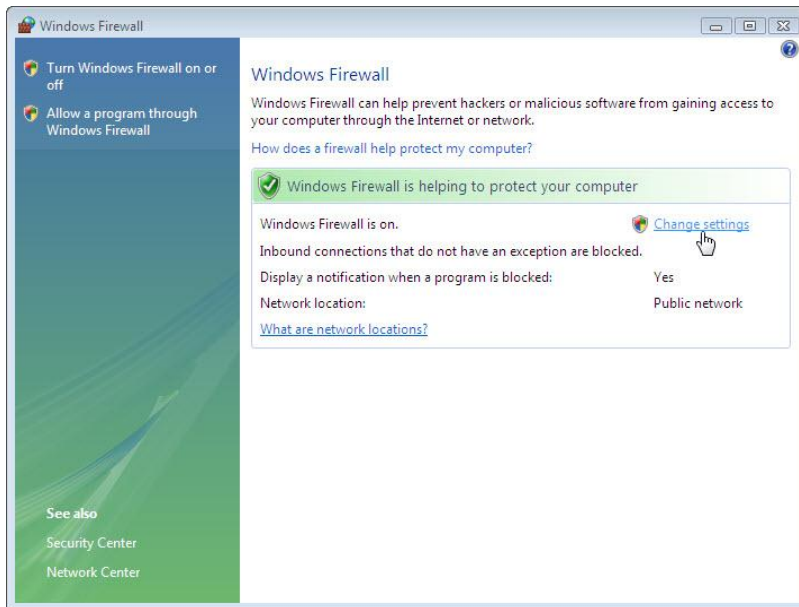
Click **Start > Control Panel > Security Center**.

The Firewall indicator shows the status of the firewall. The normal setting is “**On**”.

Access Windows Firewall by clicking **Firewall** at the right side of the window.

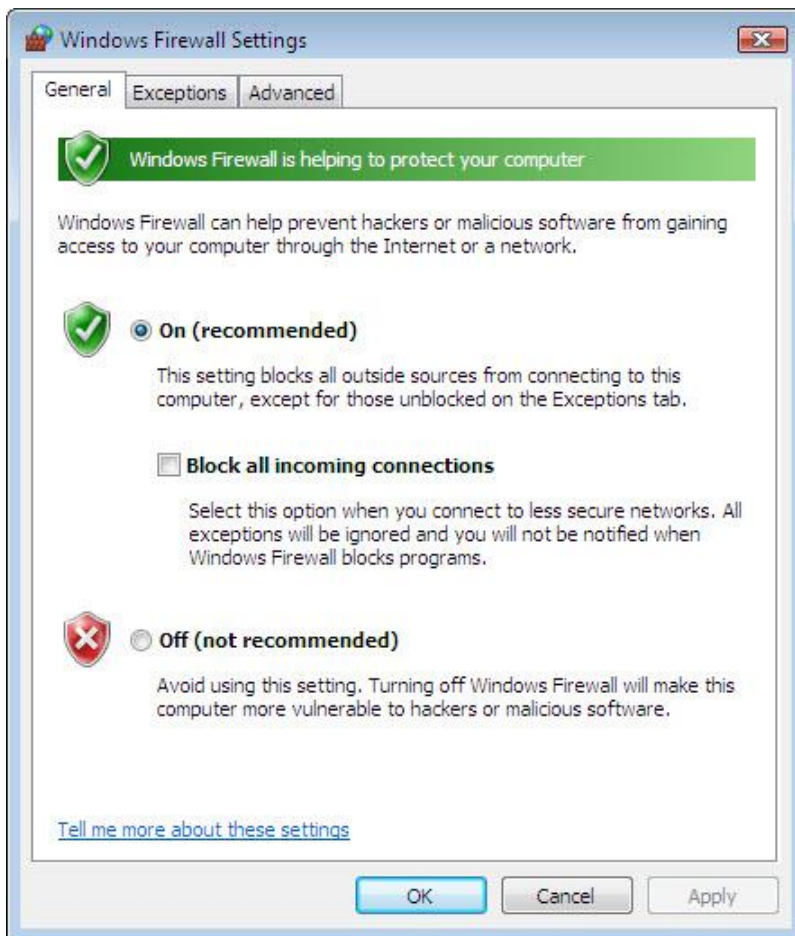
Step 3

The “Windows Firewall” window opens.



Click **Change settings > Continue**.

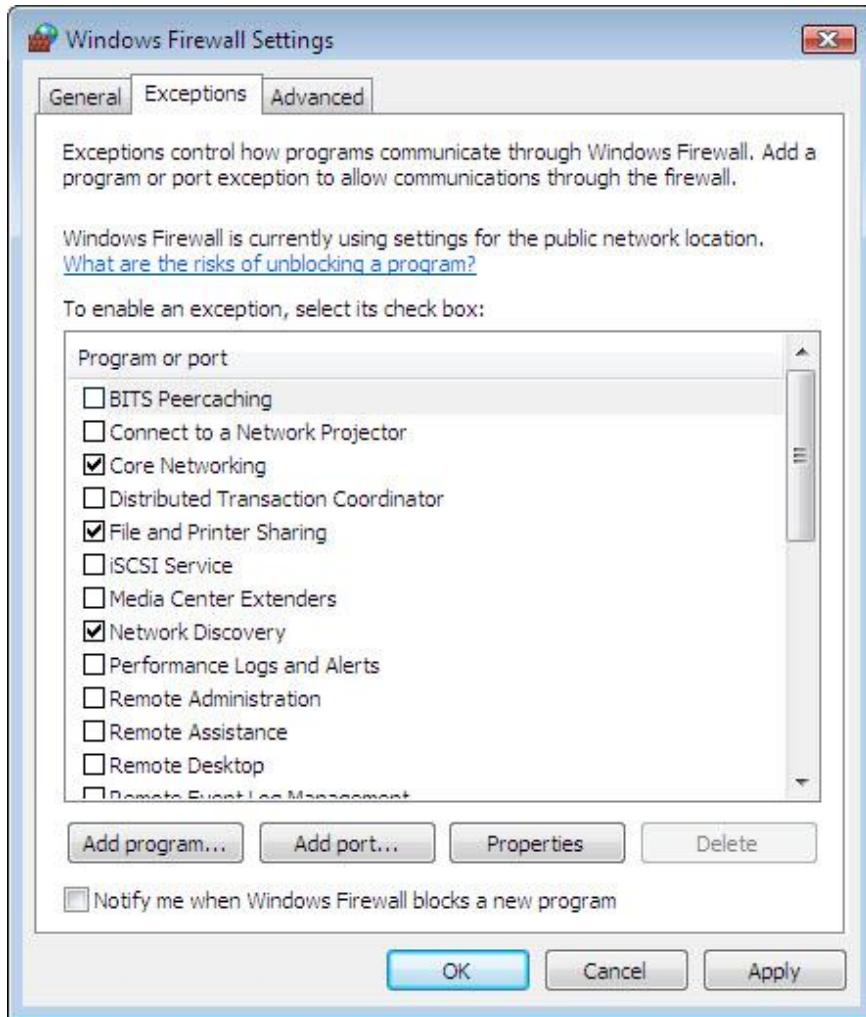
The “Windows Firewall Settings” window opens.



In the space below, state why turning off the Windows Firewall is not advised.

Step 4

From the Windows Firewall Settings window, select the **Exceptions** tab.



Programs and services that Windows Firewall is not blocking will be listed with a checkmark.

You can add applications to this list. This may be necessary if your customer has an application that requires outside communications but for some reason the Windows Firewall cannot perform the configuration automatically. You must be logged on to this computer as an administrator to complete this procedure.

Click **What are the risks of unblocking a program?**.

The "Window Help and Support" window opens.

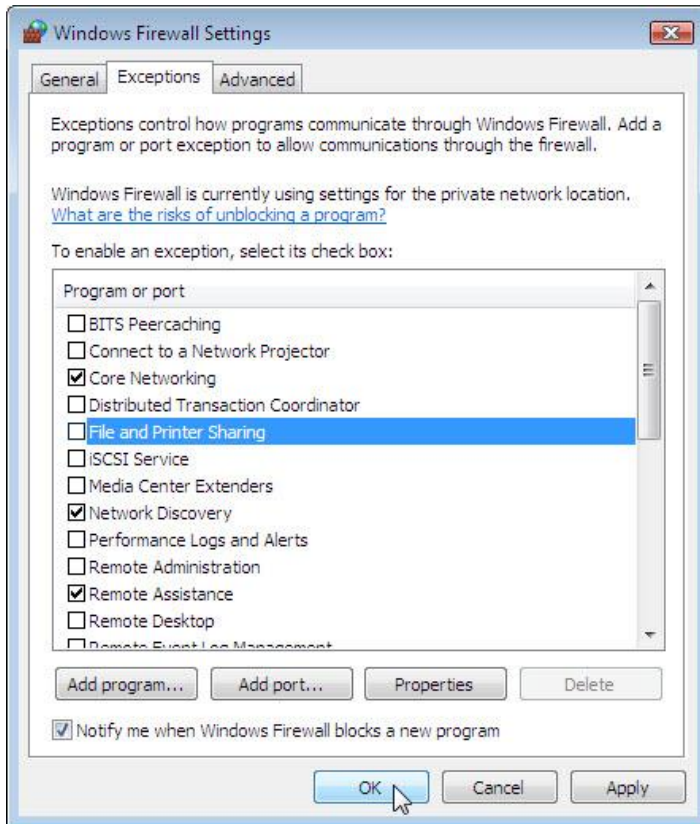


Creating too many exceptions in your Programs and Services file can have negative consequences. Describe a negative consequence to having too many exceptions.

Close the Windows Help and Support window.

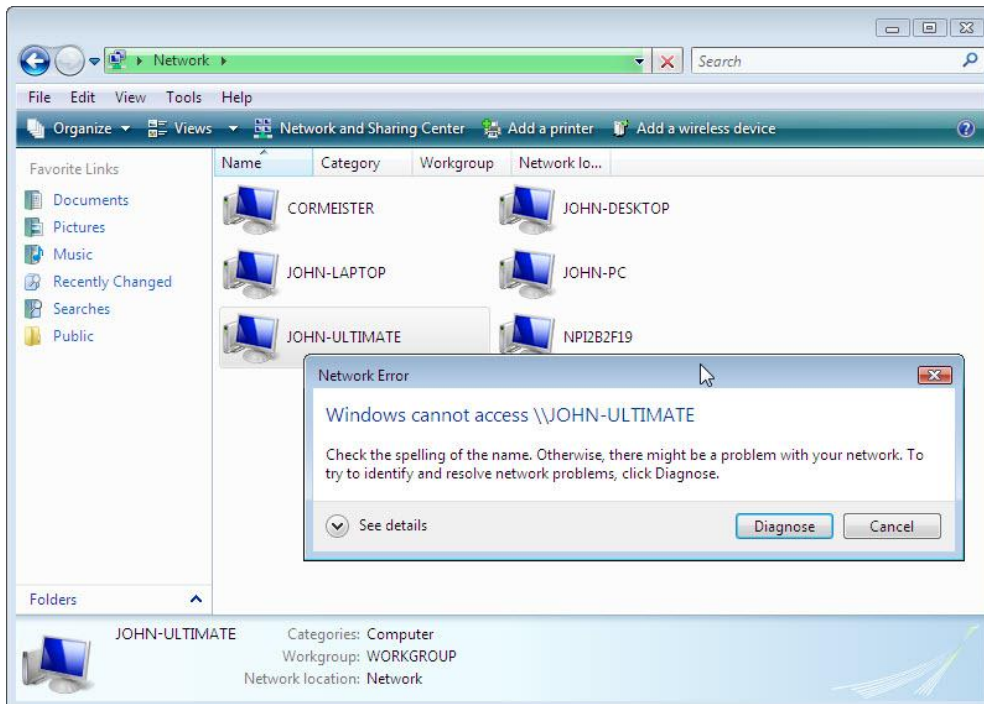
Step 5

From computer 1:



To turn off an exception, remove the check mark from **File and Printer Sharing** > **OK**.

From computer 2:



Click **Start > Control Panel > Network and Sharing Center > Network** icon (icon with the network name you are connected to) and connect to computer 1.

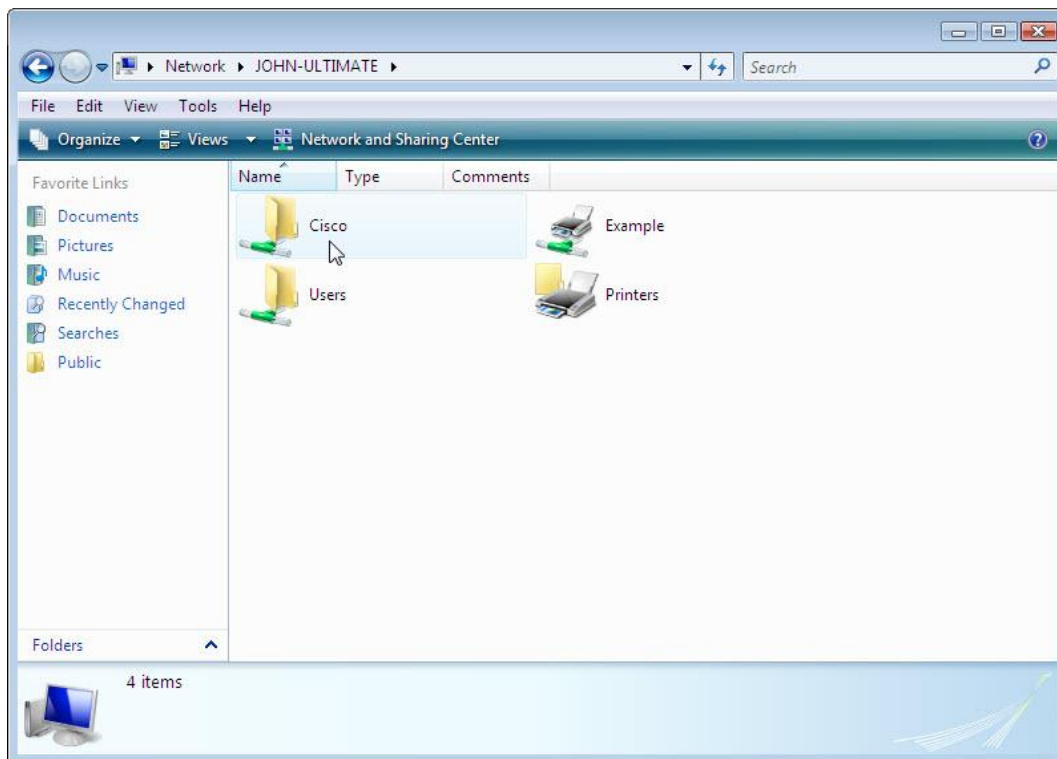
Can you connect to computer 1?

From computer 1:

To turn on an exception add a check mark to **File and Printer Sharing > OK**.

From computer 2:

Refresh **Network** screen and connect to computer 1.

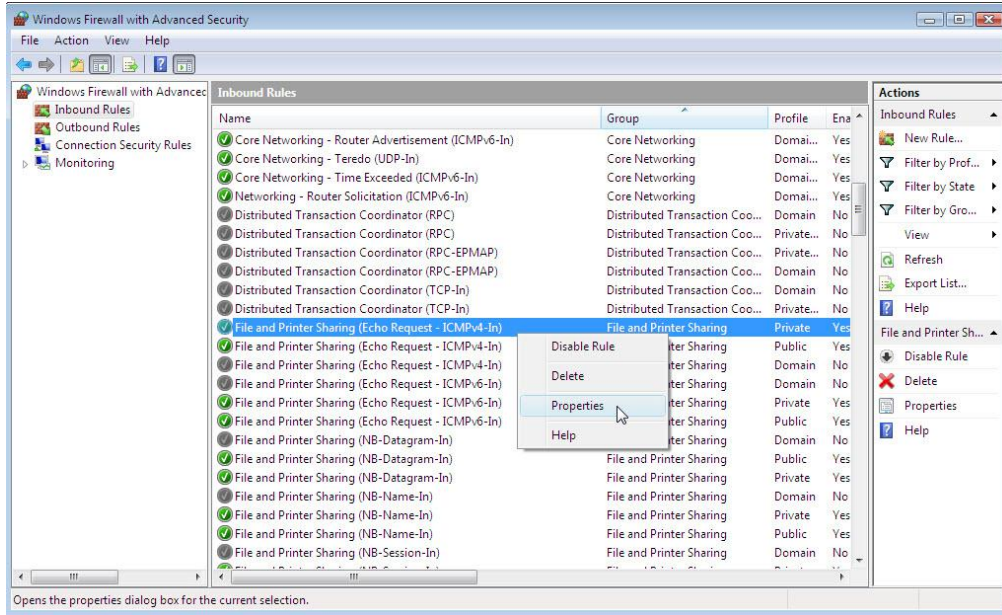


Can you connect to computer 1?

Log off computer 2. Use computer 1 for the rest of the lab.

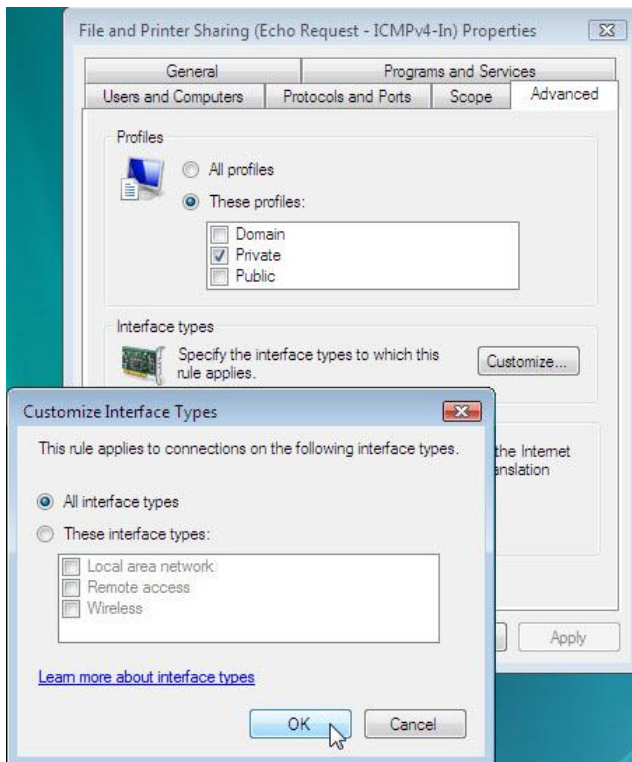
Step 6

Click **Start > Control Panel > Administrative Tools > Windows Firewall with Advanced Security > Continue > Inbound Rules**.



Expand the window so you can see the full name of the Inbound rules. Locate Files and Printer Sharing (Echo Request – ICMPv4-In).

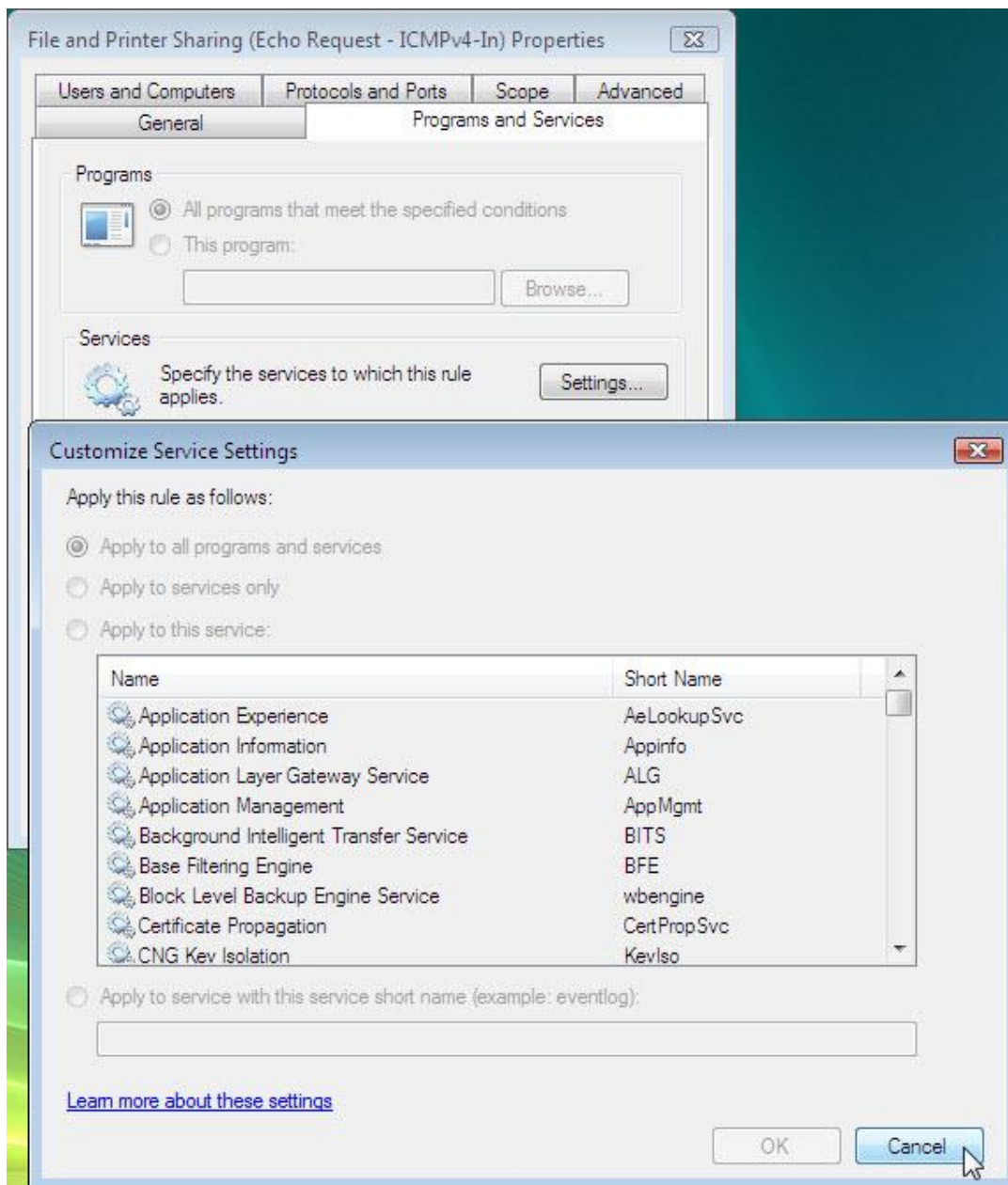
Right-click on the rule and select **Properties > Advanced tab > Customize**. The Advanced tab displays the profile(s) used by the computer and the “Customize Interface Types” window displays the different connections configured for your computer.



Click **OK**.

Click **Programs and Services** tab.

The “Customize Service Settings” window opens.



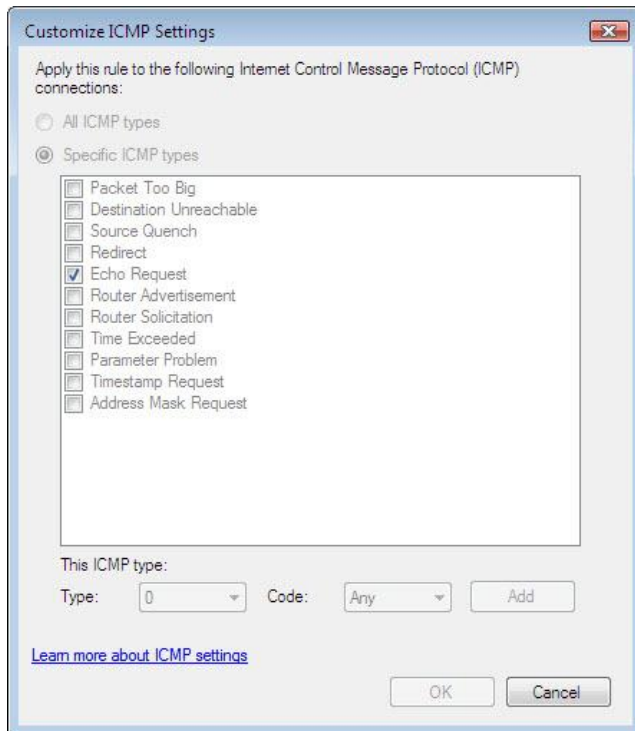
In the space below, list the short name of four services that are available.

Click **Cancel**.

Step 7

There are many applications that users do not normally see that also need to get through the Windows Firewall to access your computer. These are the network level commands that direct traffic on the network and the Internet.

Click **Protocols and Ports** tab. For the ICMP settings, click the **Customize** button. You will see the menu where ICMP exceptions are configured.



In the example here, allowing incoming echo requests is what allows network users to ping your computer to determine if it is present on the network. It also allows you to see how fast information travels to and from your computer.

In the space below, list the requests for information that your computer will respond to.

Close all windows.