# 16.3.2 Lab: Configure Windows XP Firewall

Print and complete this lab.

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

# **Recommended Equipment**

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

### Step 1

From computer 1, right-click the **desktop**, select **New > Folder**. Name the folder Cisco. Share the folder, use the default name Cisco.

From computer 2 open **My Network Place >** select **View workgroup computers** and connect to computer 1.

Can you see the shared folder Cisco?

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

#### Close My Network Place.

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

### Step 2

Navigate to the Windows XP Firewall:

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

The Firewall indicator shows the status of the firewall. The normal setting is "ON".

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Access Windows firewall by clicking **Windows Firewall** at the bottom of the window.

# Step 3

The Windows Firewall window opens.



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

### Step 4

From the Windows Firewall window select the **Exceptions** tab. Programs and services that Windows Firewall is not blocking will be listed with a checkmark.

🐸 Windows Firewall 🛛 🚺
General Ecosptions Advanced
Windows Reveal is blocking incoming network connections, except for the programs and services selected below. Adding exceptions allows some programs to work better but night increase your security risk.
Programs and Services:
Nore
☑ bt.downloadgui
DNSCST Module
Re and Plinter Sharing
☑ Finefax
Recomm
🗹 Internet Explorer
Internet pomographic images blocker (PicBlock)
Logtech Desktop Messenger
Microsoft Management Console
Remote Assistance
Renote Desiton
Add Ppogram. Add Pgs. Edt. Delete
Display a notification when Windows Frewall blocks a program
What are the lisks of allowing exceptions?
OK Cancel

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 allowing exceptions?

Help and Support Center	
🕝 Back 🔹 💿 - 🏠 🚺 I <u>n</u> dex	Favorites 🚱 History 🕅 Support 📝 Options
Search Set search options	B Windows XP Professional
Allowing a program to comm	unicate through Windows Firewall 🛛 🥂 🕯
to your computer. Because the firewall Internet, you might need to adjust setti	uter, Windows Firewall blocks unsolicited requests to connect restricts communication between your computer and the ngs for some programs that prefer an open connection to the or these programs, so that they can communicate through the
Risks of allowing exceptions	
your computer is made more vulner, the firewall. If there are too many ho intruders often use software that sca	on for a program to communicate through Windows Firewall, able. To allow an exception is like poking a hole through oles, there is not much <i>wall</i> left in your firewall. Unknown ans the Internet looking for computers with unprotected ptions and open ports, your computer can become a victim
To help decrease your security risk i	
<ul> <li>Only allow an exception when you</li> </ul>	u really need it.
<ul> <li>Never allow an exception for a pr</li> </ul>	ogram that you don't recognize.
<ul> <li>Remove an exception when you r</li> </ul>	no longer need it.
Allowing exceptions despite the	risk
Sometimes you might want someone	e to be able to connect to your computer, despite the risk— a file sent through an instant messaging program, or when
file (a photo, for example), Windows and allow the photo to reach your co	instant messages with someone who wants to send you a Firewall will ask you if you want to unblock the connection omputer. Or, if you want to play a multiplayer network you can add the game as an exception so that the firewall each your computer.
tab in Windows Firewall. If the progr	nect to a program on your computer, use the <b>Exceptions</b> am or service that you want to allow an exception for is not an add it by clicking <b>Add Program</b> . If you do not find the add, click <b>Browse</b> to search for it.

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 Help and Support Center window.

## Step 5

From computer 1: To turn off an exception, remove the check mark from **File and Printer Sharing > OK**.

From computer 2: Open **My Network Place > View workgroup computers** 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 **My Network Place** 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

From the Windows Firewall control menu select the **Advanced** tab to view the **Network Connection Settings**. Network Connection Settings displays the different connections configured for your computer.

😺 Windows Firewall 🛛 🔀
General Ecceptions Advanced Network Connection Settings Windows Frewall is enabled for the connections selected below. To add acceptions for an individual connection, select it, and then click Sattings:
IS94 Connection     Settings     Settings     MSN     Wilvers Network Adapter VMnet 1
Security Logging You can create a log file for troubleshooting purposes. Settings
CVP
With Internet Control Message Protocol (ICMP), the computers on a network can share error and status information.
C Defw.A Settings
To restore all Windows Freevall settings to a default state, Festore Defaults click Restore Defaults.
OK Carcal

Click the **Settings** button in the Network Connection Settings area. The Advanced Settings window has two tabs: Services and ICMP. Click the **Services** tab.

In the space below, list the services that are available.

## 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.

Under the ICMP heading, click the **Settings** 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 and how fast information travels to and from it.

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

Close all windows.