Experiment No. 12

Install firewall on any operating system.

I. Minimum Theoretical Background

A firewall is a software program or piece of hardware that blocks fraudsters from entering and using your computer. Fraudsters search the Internet in much the same way that some telemarketers automatically dial random phone numbers. Fraudsters send electronic probes, or pings, to thousands of computers and wait for responses. Firewalls prevent your computer from responding to these random pings. A firewall blocks communication to and from sources you don't permit. This is especially important if you have a high-speed Internet connection, such as DSL or cable.

Some operating systems have built-in firewalls that may be shipped in the "off" mode. Therefore:

1. Be sure to turn your firewall on.

2. Ensure your firewall is set up properly and updated regularly.

3. Check your online "Help" feature for specific instructions.

A. Configure firewall settings on any operating system.

II. Minimum Theoretical Background

1. Set up system and security settings

1. From the Start menu, click **Control Panel**, then click **System and Security**

2. Under Windows Firewall, select either **Check firewall status** to determine whether the firewall is turned on or off, or **Allow a program through Windows Firewall** to allow a blocked program through the firewall


2. Select program features

1. Click **Turn Windows Firewall on or off** from the left side menu

2. Configure the settings for your home/work (private) or public network

3. Click **OK** to save your changes

3. Choose firewall settings for different network location types

1. Turn on Windows Firewall for each network location you use - **Home or work (private)** or **Public**

   o Click **What are network locations?** for more information on network types

   o Domain network locations are controlled by your network administrator and can't be selected or changed

2. Select **Turn on Windows Firewall** under the applicable network location type (in image below, both locations are selected)

3. Select **Notify me when Windows Firewall blocks a new program** for each network type, if the box is not already checked

4. Click **OK** to save your changes
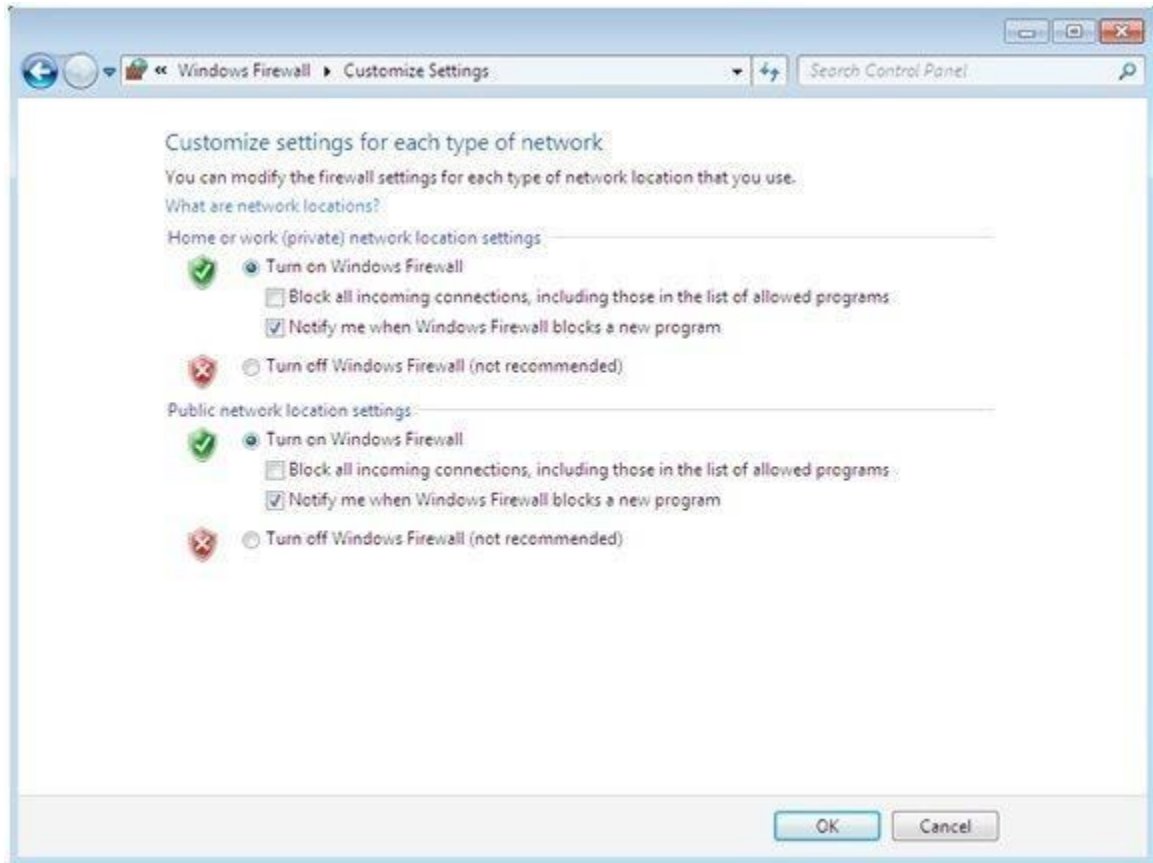
IV. Exercise

1. What is firewall?

2. What are the three types of firewalls?

3. Where firewall is used?

4. What are the Benefits of Firewall Security ?

Answers

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