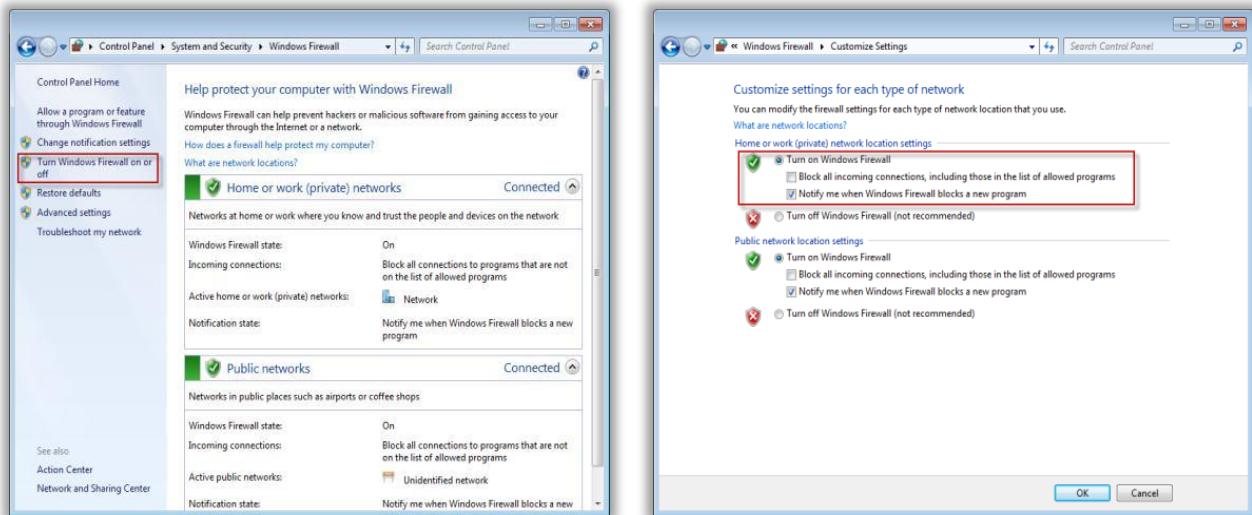


# Configuring Windows Firewall in Windows 10

Steps to configure Windows Firewall include:

- 1. Open Windows Firewall by clicking **Start → Control Panel**.
- 2. In the search box, type **Firewall** and click **Windows Firewall**.

3.



In the left pane, click **Turn Windows Firewall ON or OFF**.

## Adding New Programs in Windows Firewall in Windows 10

Users can add a program to the list of allowed programs in a firewall to allow a particular program to send information to or from your computer through the firewall. Steps to add a new program in Windows firewall include:

- Click **Start** → **Control Panel**. Type **Firewall** in the search space and press **Enter**.
- Click **Allow a program or feature through Windows Firewall**.
- Click **Change Settings**.
- Click **Allow Another Program**.

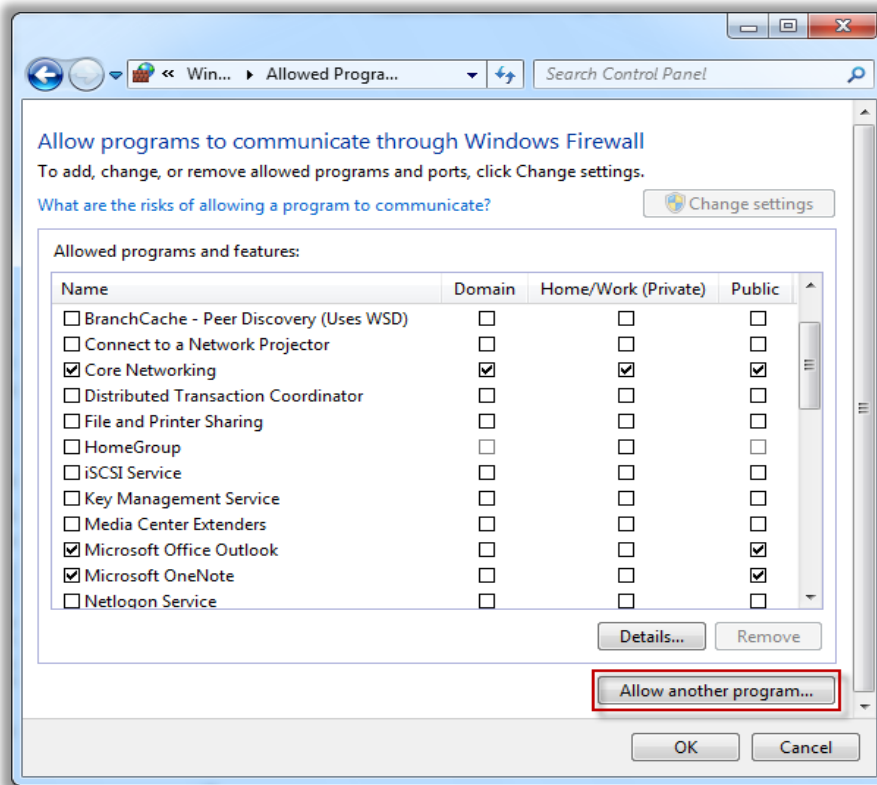
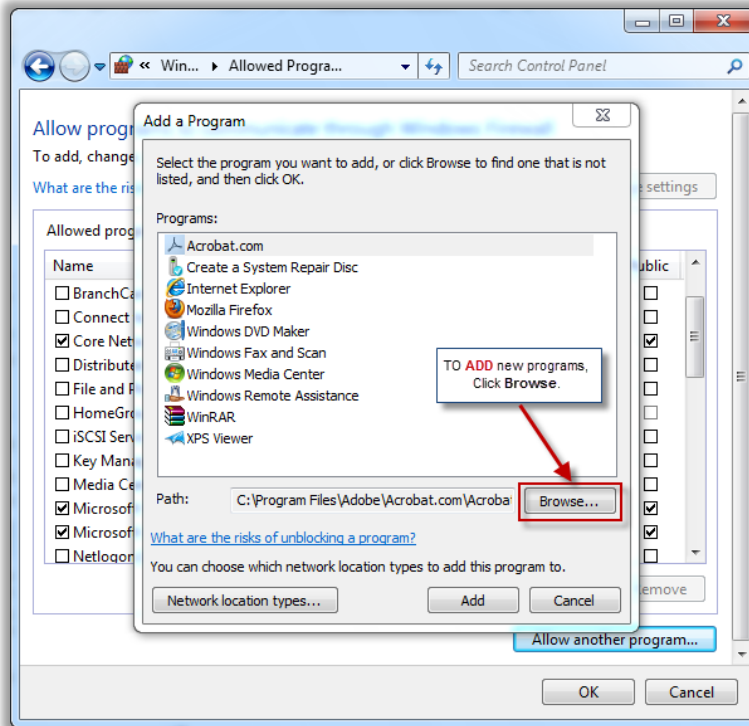


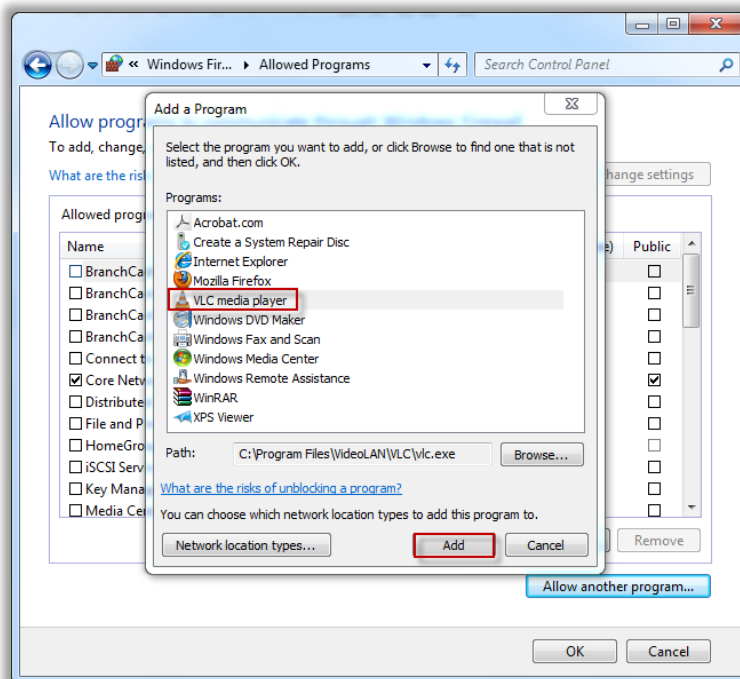
Figure 02-10: Allowing a Program to Communicate through Windows Firewall.

- The **Add a Program** window opens, which lists pre-installed programs. Click **Browse** to add a program (if required).



**Figure 02-11: Browsing to Add Program**

- Find the location of the program, select its executable file, and click **Open**.
- Click **Add** → **OK** to exit the Windows Firewall.



**Figure 02-12: Adding New Programs in Windows Firewall in Windows 7**

## Removing/Disabling Programs Rules from the Windows Firewall in Windows 10

Steps to remove or disable programs from the Windows Firewall in Windows 7 include:

- Click **Start** → **Control Panel**. Search for **Windows Firewall** and go to **Allow a program or feature through Windows Firewall**. Click **Change Settings**.
- Select the rule you want to **Remove/Disable**.
- To **Disable** any rule for any specific network location, uncheck its respective checkbox and click **OK**.
- To remove any program completely from the allowed program list, click **Remove** → **YES** → **OK**.

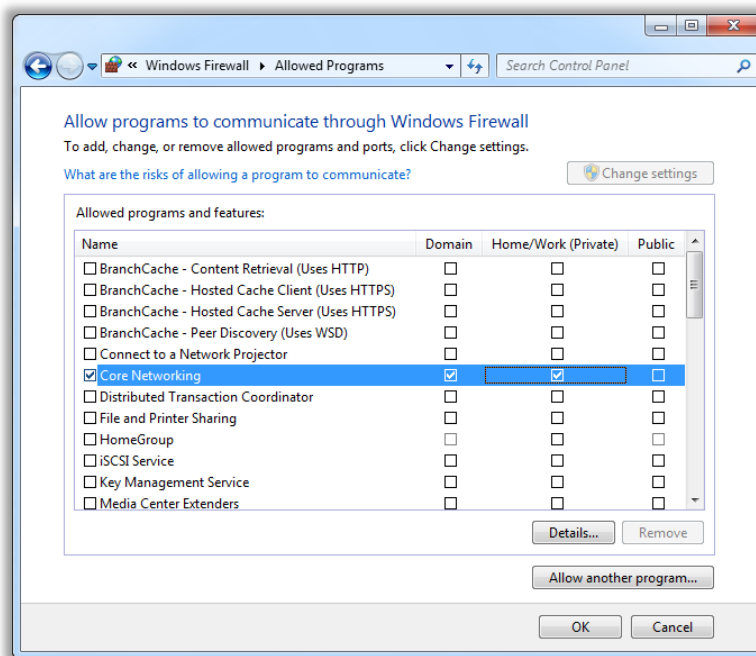


Figure 02-13: Removing/Disabling Programs Rules from the Windows Firewall in Windows 7

## Creating a New Windows Firewall Rule in Windows 10

Windows Firewall with Advance Security allows a user to create custom rules. Steps to create a new Windows Firewall Rule in Windows 7 include:

- Click **Start** → **Control Panel**. Search for **Windows Firewall** and click **Check Firewall Status** → On the left pane click **Advanced Settings**.
- In the **Windows Firewall with Advanced Security** window, click **Inbound Rules** → **New Rule**.

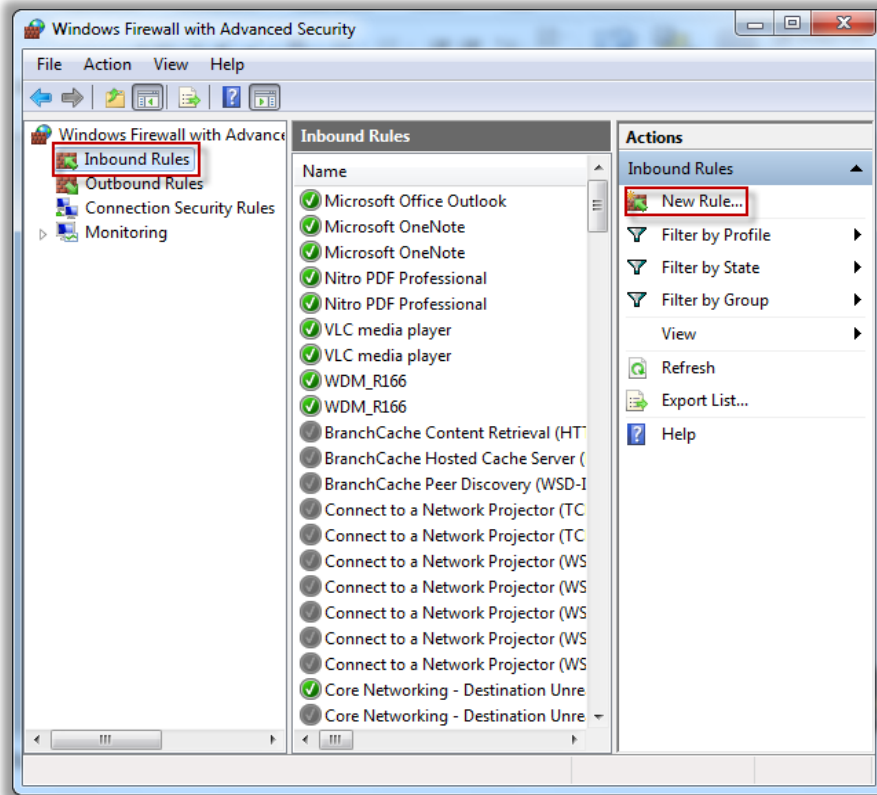


Figure 02-14: Windows Firewall with Advanced Security

- The **New Inbound Rule Wizard** opens. Select (any) the **Rule Type** (Program, Port, Predefined, and Custom rules) you would like to create. Select **Rule Type** as **Port** for this example. Click **Next**.
- Select the type of protocol (**TCP/UDP**) and provide the ports numbers or select the option **All Local Ports** for the rule you want to be applied. Click **Next**.

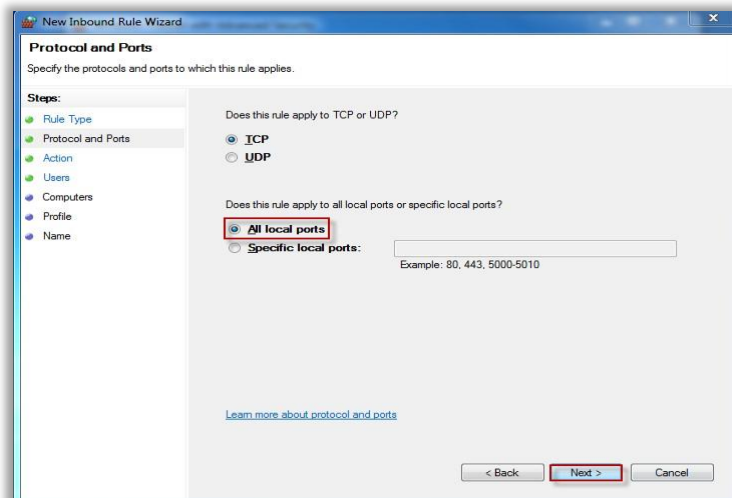
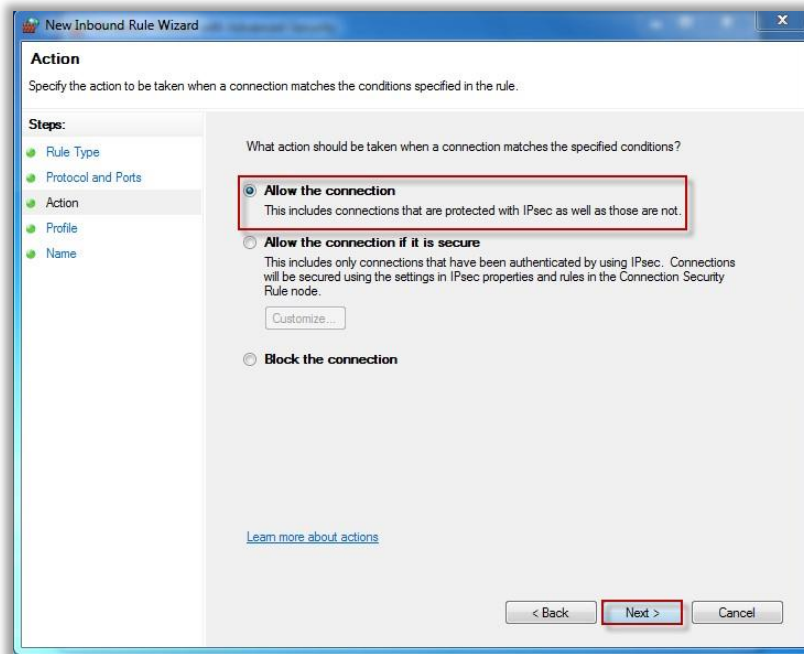


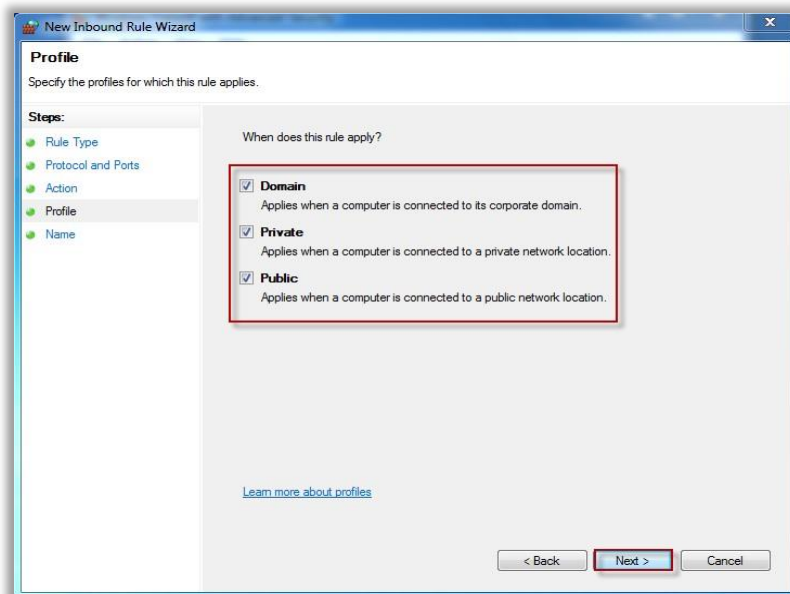
Figure 02-15: Selecting protocol and port number

- Decide the **Action** to take when a connection matches the specified condition (here, **Allow the Connection**). Click **Next**.



**Figure 02-16: Allowing the Connection**

- Select the **Network Location** for which the rule has to be applied. Click **Next**.



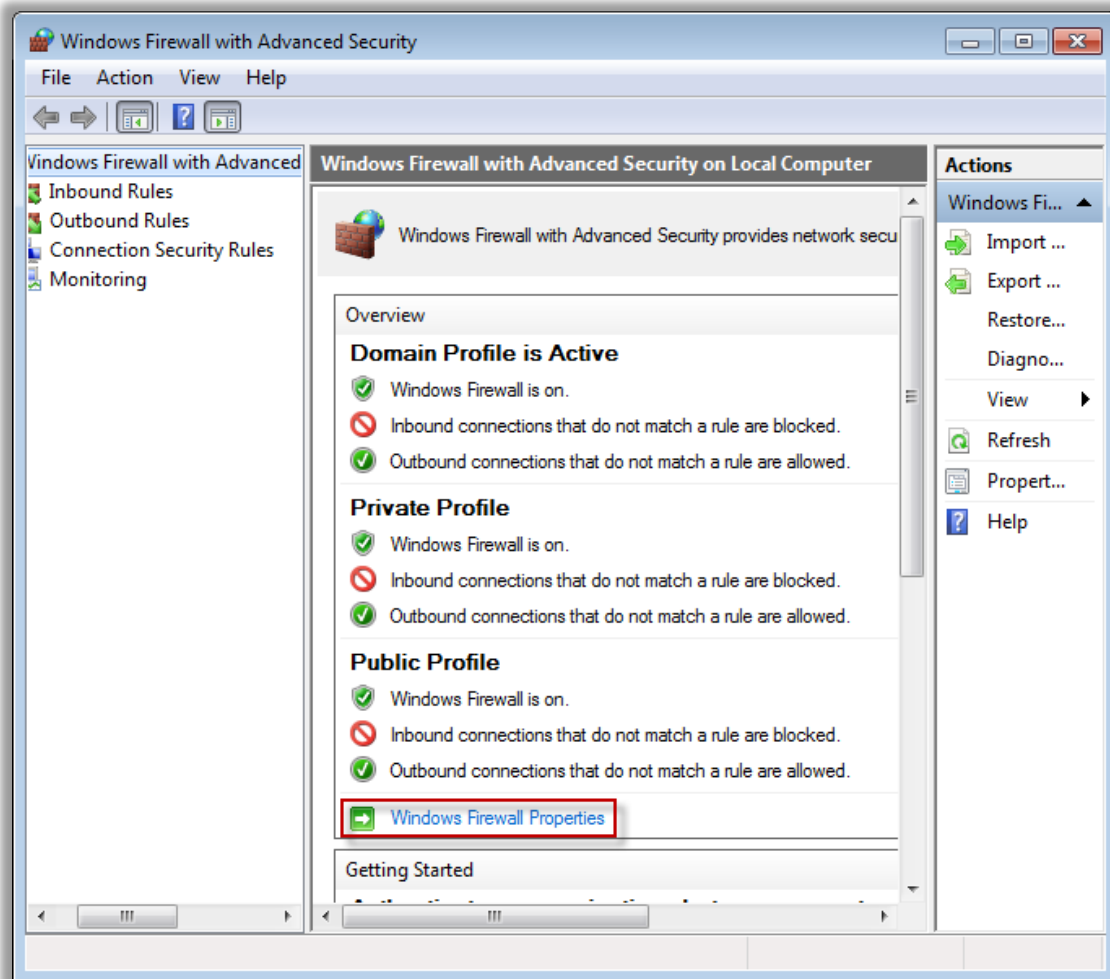
**Figure 02-17: Selecting Network Location**

- Give a **name** to the newly created rule and description (optional). Click **Finish**.  
The rule is created and allows **TCP Inbound Traffic** to all the ports.

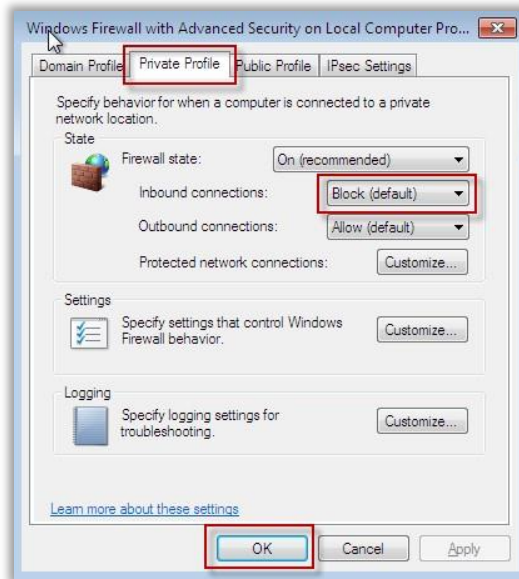
## Two-Way Firewall Protection in Windows

Threats travel through the web looking for suitable systems with low security levels and outdated or unpatched software. They enter these systems quietly without the knowledge of the user. Installing a better firewall solution could solve the problem. Steps to avail two-way firewall protection include:

- Click **Start**, type **wf.msc** or **Firewall** in the search space, and press **Enter**.
- Click the **Windows Firewall with Advanced Security** icon.
- This management interface displays the inbound and outbound rules.
- Click **Windows Firewall Properties**.
- A dialog box with several tabs will appear.
- For each profile—Domain, Private, and Public—change the setting to **Block**, and then click **OK**.



**Figure 02-18: Windows Firewall with Advanced Security**



**Figure 02-19: Two-Way Firewall Protection in Windows**