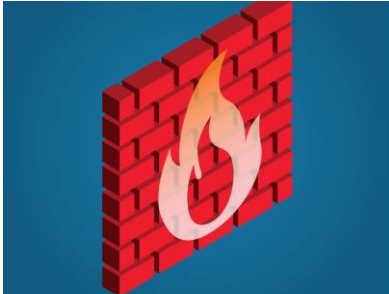




FIREWALL: HOW DOES IT WORK?



A firewall is a network security device that monitors and filters incoming and outgoing network traffic based on an organization's security policies. It essentially acts as a protective barrier between a private internal network and the public Internet.

Configure Firewall on your Computer...

- Click the **Start** button and type Windows Firewall in the search box.
- Click **Windows Firewall** and then click **Allow** a program or feature through Windows Firewall.
- Click the **Change** settings button.
- If a User Account Control window appears, click **Yes**, or
- Enter your username and password, then click **OK**

Use firewall on router

- Access the router's configuration page.
- Locate an entry labeled Firewall (or similar).
- Select Enable.
- Select Save and Apply.
- Wait while the router restarts.
- Add firewall rules and access control lists to meet your security needs.

Use a network firewall to:

- Secure the firewall.
- Establish firewall zones and an IP address structure.
- Configure access control lists (ACLs)
- Configure other firewall services and logging.
- Test the firewall configuration.

• Use firewall on server

From the **Start** menu, select **Control Panel**, select **System and Security**, and then choose **Windows Firewall**. > Select **Advanced Settings**. > Select **Inbound Rules** > Select **New Rule in the Actions** window > Choose the **Port** rule type > Select **Next** > On the Protocol and Ports page, choose **TCP** > Select **Specific Local Ports** and enter a value of **80** > Select **Next** > On the Action page, select **Allow** the connection > Select **Next** > On the **Profile** page, select the appropriate options for your environment > Select **Next** > On the **Name** page, enter the name of ReportServer (**TCP on port 80**) > Select **Finish** > **Restart** the computer.

• Allow Internet Access Through Firewall

Go to **Start** and open Control Panel > Select **System and Security** > **Windows Defender Firewall** > Choose **Turn Windows Defender Firewall on or off** > Select **Turn on Windows Defender Firewall** for domain, private, public network settings.

Turn Microsoft Defender Firewall on-off

Select **Start**, then open **Settings** > Select a **network** profile: Domain Private, or Public Network > Under Microsoft Defender Firewall switch the setting to **On** > To turn it off, switch the setting to **Off**.

Advantages of Using Firewalls

- It provides enhanced security and privacy from vulnerable services.
- It prevents unauthorized users from accessing a private network.
- It provides faster response time and can handle more traffic loads.
- It allows easily handle and update the security protocols.
- It safeguards networks from phishing attacks.