

## TASK 4

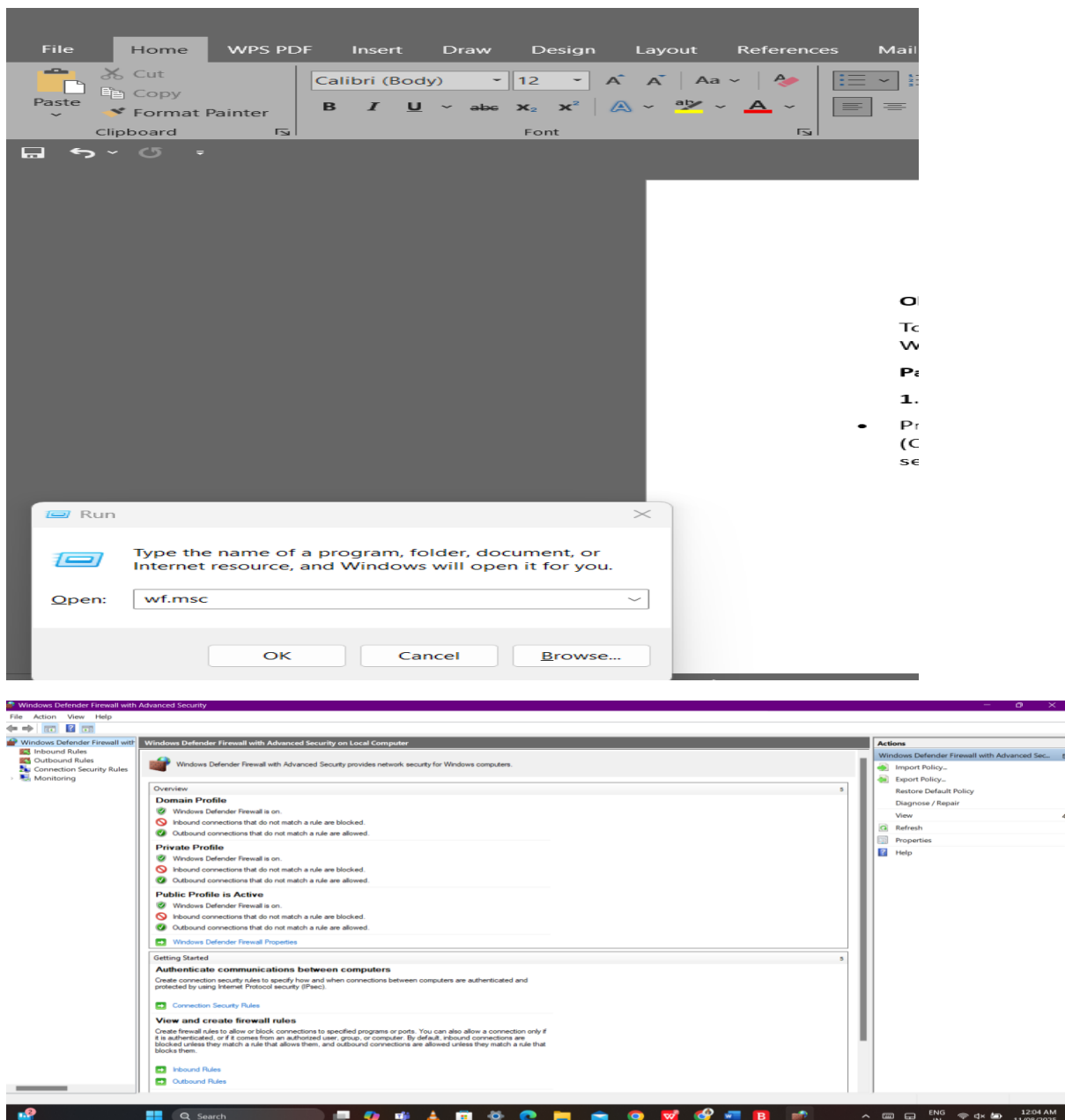
### Objective

To configure and test basic firewall rules to allow or block network traffic using Windows Firewall or UFW (Linux).

### Part 1 – Using Windows Firewall

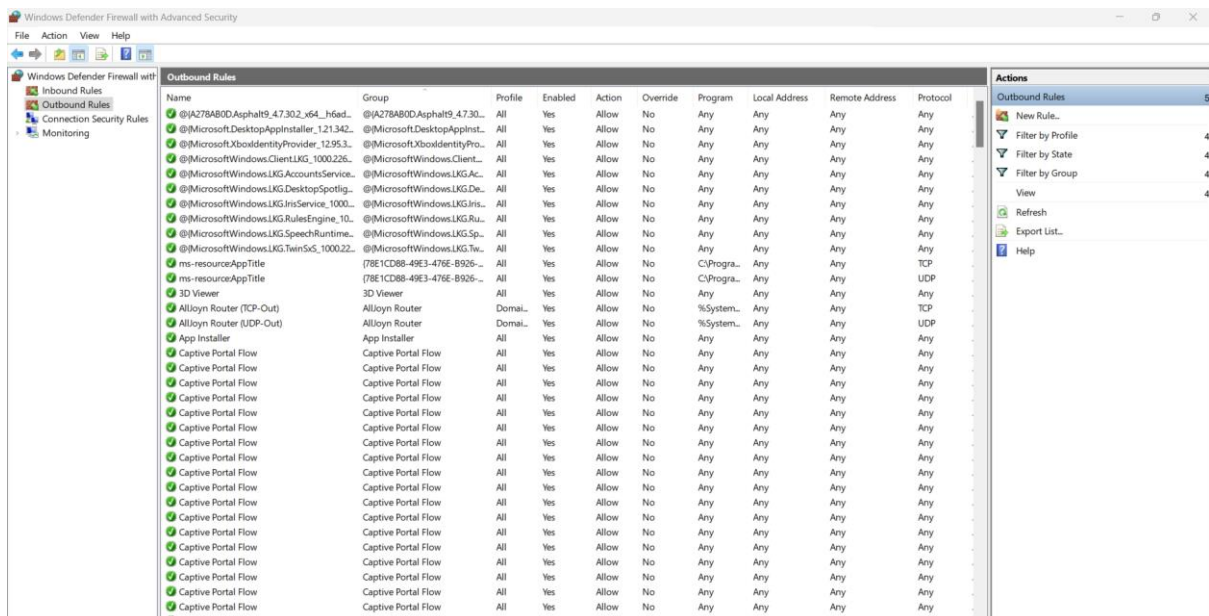
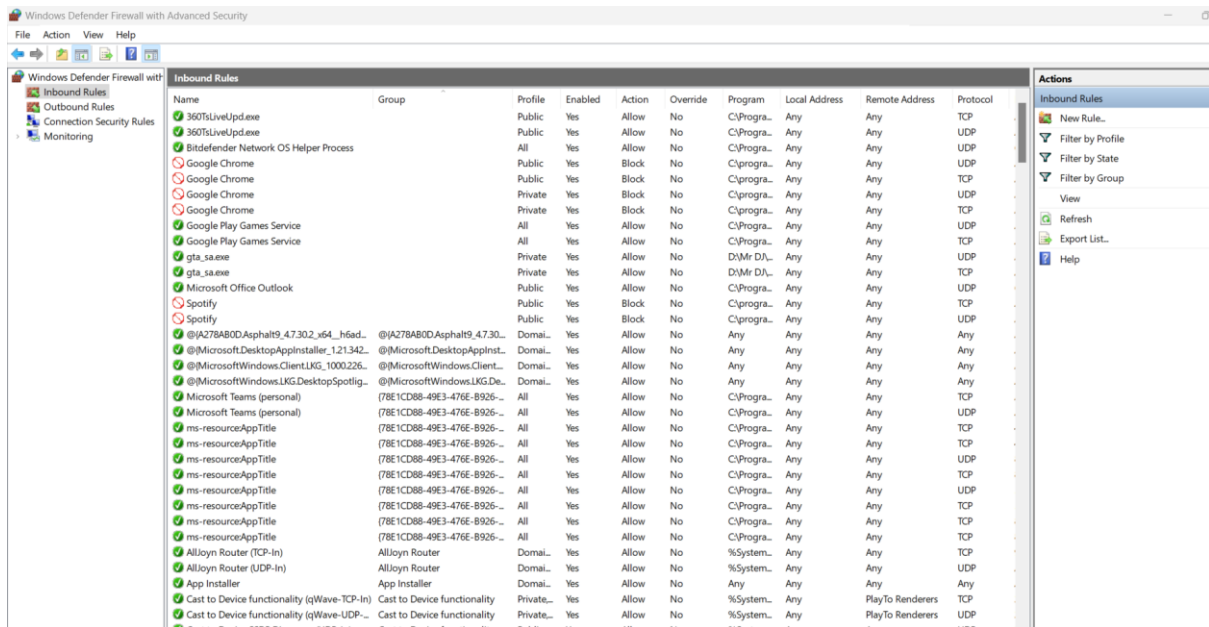
#### 1. Open Windows Firewall Configuration Tool (Below Steps)

- Press **Windows Key + R** → type **wf.msc** → press **Enter**.  
(Control Panel → System and Security → Windows Defender Firewall → Advanced settings)



## 2. My windows Current Firewall Rules

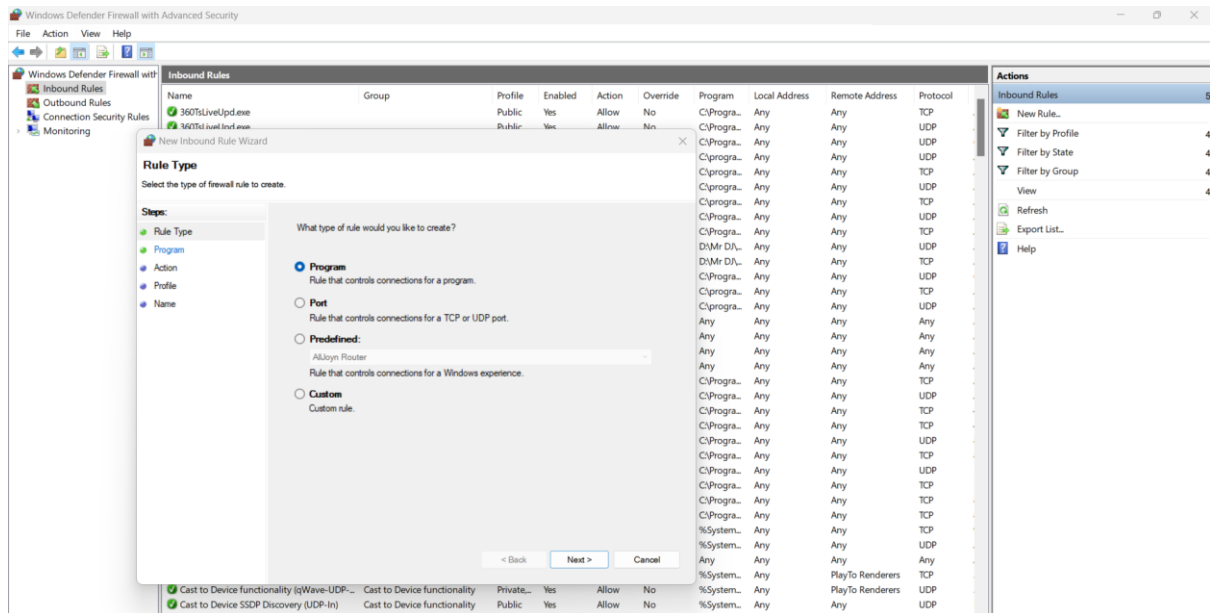
- We have to click on the left panel, click **Inbound Rules** to see rules controlling incoming connections.
- Then Click **Outbound Rules** to see rules controlling outgoing connections.



## 3. Adding a Rule to Block Port 23 (Telnet)

1. In **Inbound Rules**, click **New Rule** (right panel).

2. Select **Port** → **Next**.
3. Choose **TCP** and enter 23 in **Specific local ports** → **Next**.
4. Select **Block the connection** → **Next**.
5. Apply to **Domain, Private, Public** → **Next**.
6. Name it Block Telnet → **Finish**.





```
Command Prompt x Windows PowerShell x + v
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

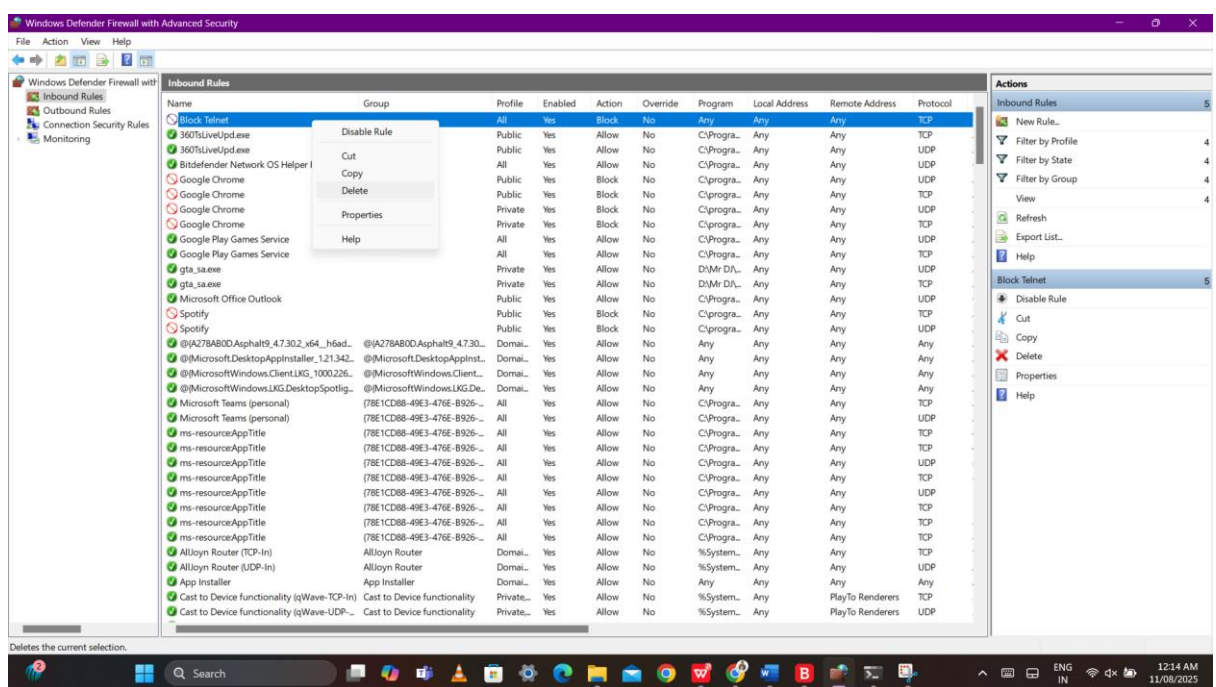
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

Warning: PowerShell detected that you might be using a screen reader and has disabled PSReadLine for compatibility purposes. If you want to re-enable it, run 'Import-Module PSReadLine'.

PS C:\Users\SAHIL S. ZAVARE> Telnet google.com 23
Connecting To google.com...Could not open connection to the host, on port 23: Connect failed
PS C:\Users\SAHIL S. ZAVARE>
```

## 5. Removing the Rule

- In Inbound Rules, find Block Telnet, right-click → **Delete**.



## Summary

- Firewalls filter network traffic using rules for inbound and outbound connections.
- **Inbound rules** control traffic entering the system.
- **Outbound rules** control traffic leaving the system.
- Blocking Telnet (port 23) is a security best practice because it's insecure and transmits data in plain text.