Learning objective: The goal of the following tasks is to test the incoming data from the WAN network to the LAN network.

**Task1: Enable ping from Kali (WAN) to Windows 10/11(LAN)**

**In pfsense**

1. Log in to your pfSense firewall.
2. Navigate to "Firewall" in the top menu and select "Rules".
3. Choose the WAN interface from the list of available interfaces.
4. Click on the "Add" button to create a new rule.
5. In the newly created rule, configure the following settings:
   * Action: Set it to "Pass" to allow the traffic.
   * Interface: Choose the WAN interface.
   * Protocol: Select "ICMP" from the dropdown menu.
   * ICMP type: Choose the appropriate ICMP type (e.g., "Echo Request" for ping).
   * Source: Set it to "Any" or specify the specific IP range or IP address of the external network you want to allow.
   * Destination: Set it to the LAN IP address of the client you want to ping.
6. Save and apply the changes by clicking the "Apply Changes" button.
7. Navigate to Interfaces - WAN - scroll down and untick **block private networks in reserved networks**

**Test using Kali**

Verify that Kali can ping Windows 10/11

Note: you might need to enable ping in Windows 10/11 firewall by running the following command in CMD

**netsh advfirewall firewall add rule name="ICMPv4 Allow Ping Requests" protocol=icmpv4:8,any dir=in action=allow**

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| **Go to rules and add a new incoming rule** |  |
| **Make the action pass and chose wan and icmp for protocol** |  |
| **Go to interfaces chose wan and enable block private networks** |  |
| **Go to kali and ping windows**  **Ping 192.168.1.2** |  |