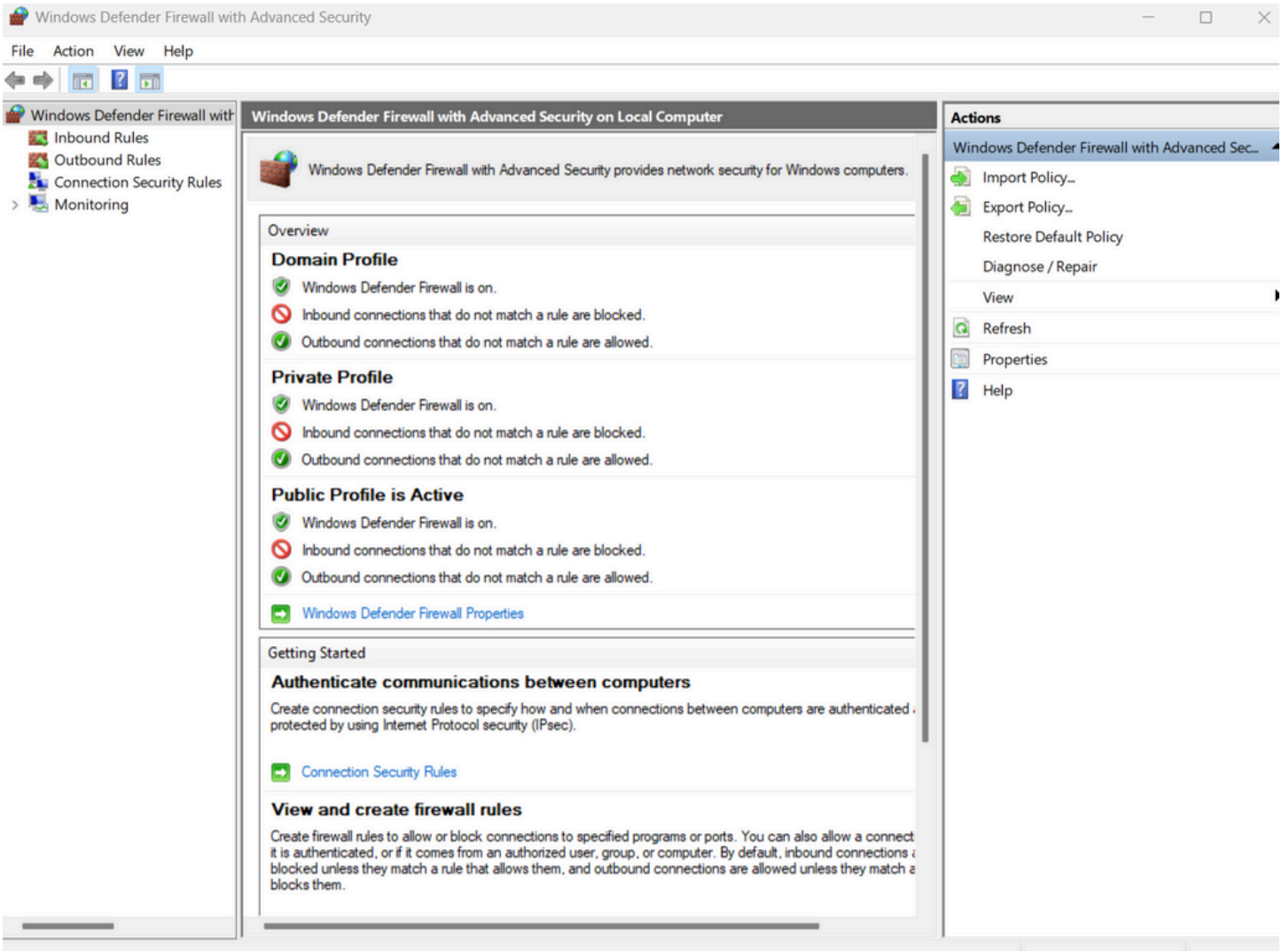
ELEVATE LABS CYBER SECURITY INTERNSHIP

Task-4:

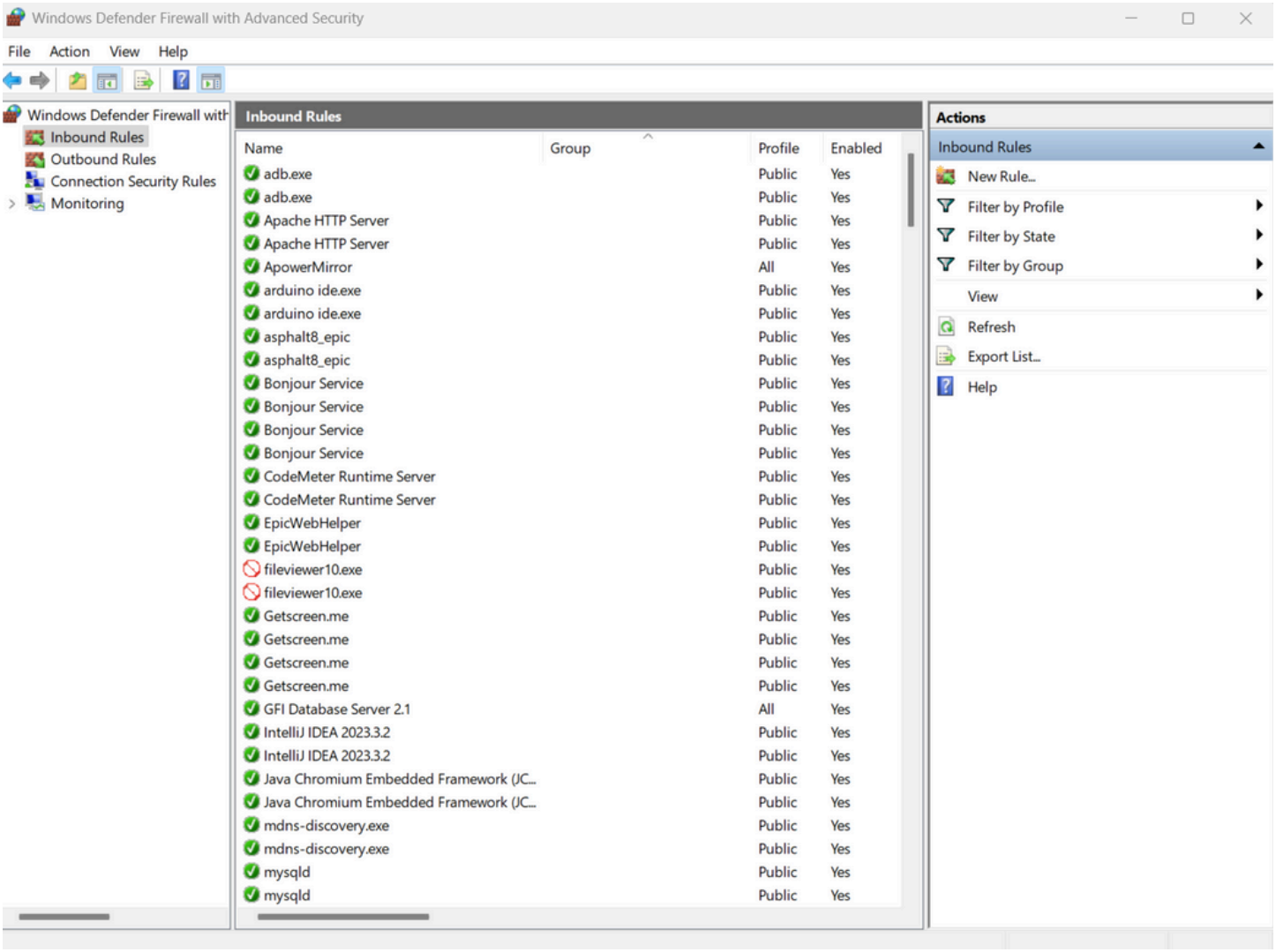
1)

using “windows+r and wf.msc



2)

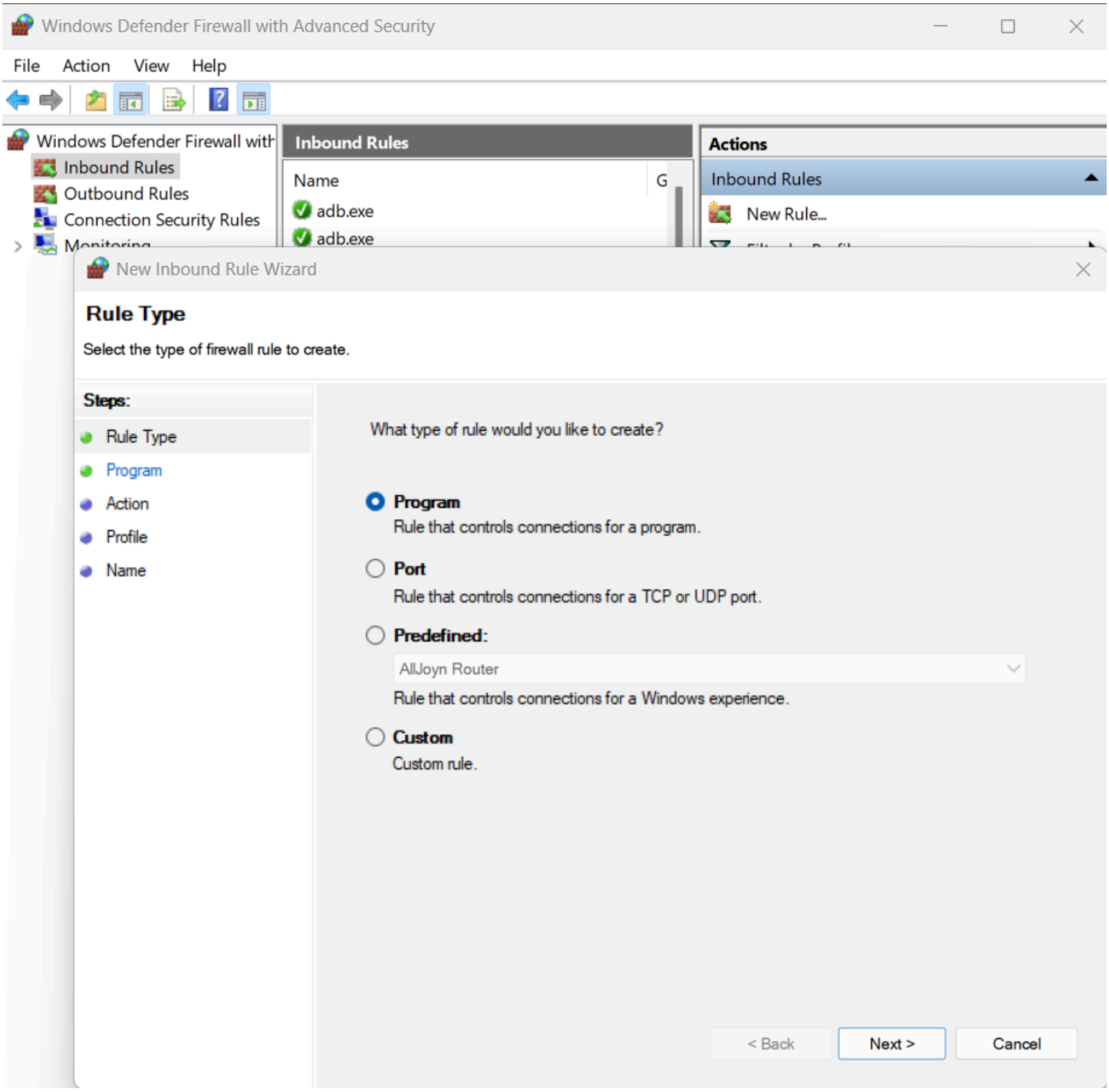
these are inbound rules of my firewall



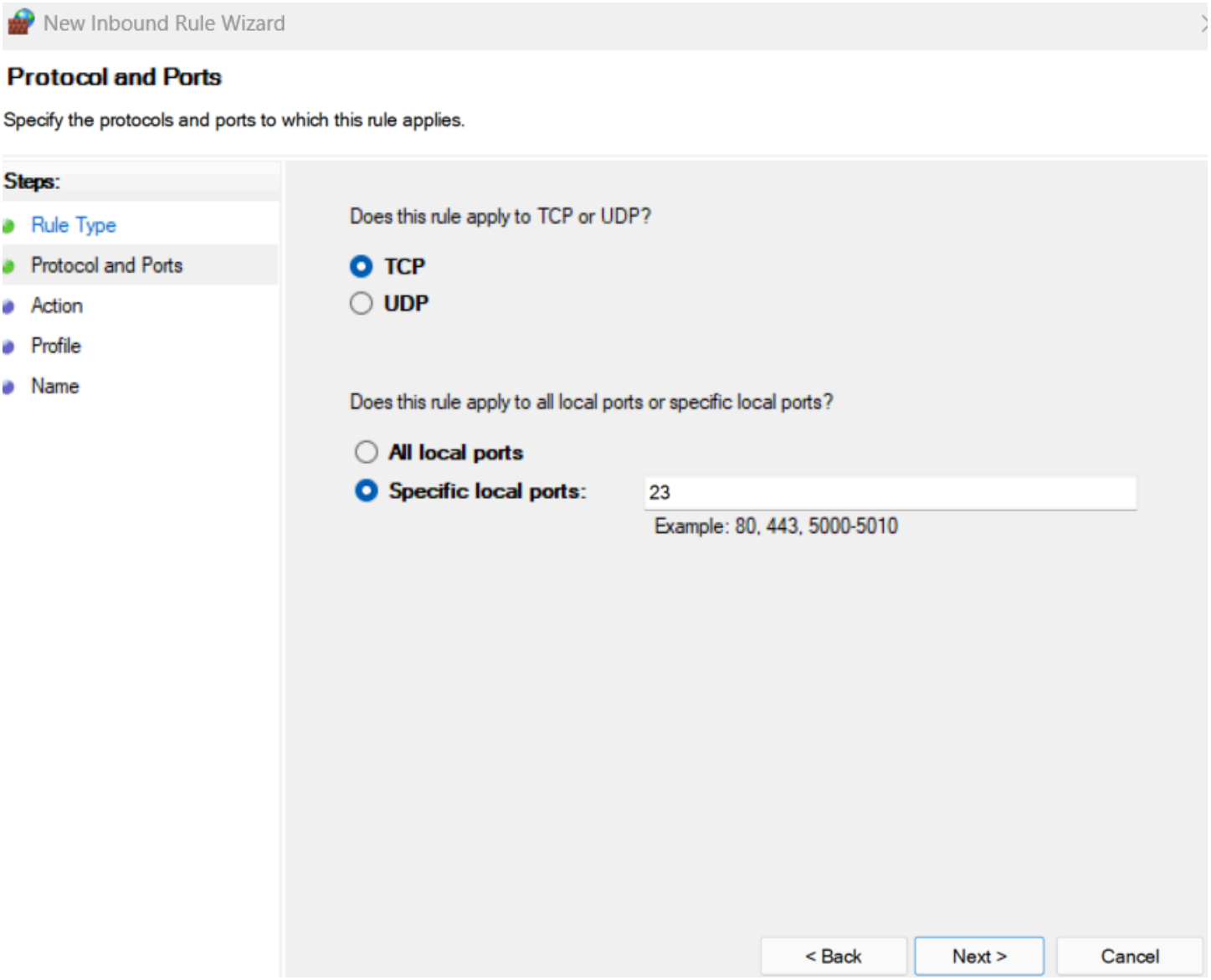
as also can be seen outbound rules on left side of the panel

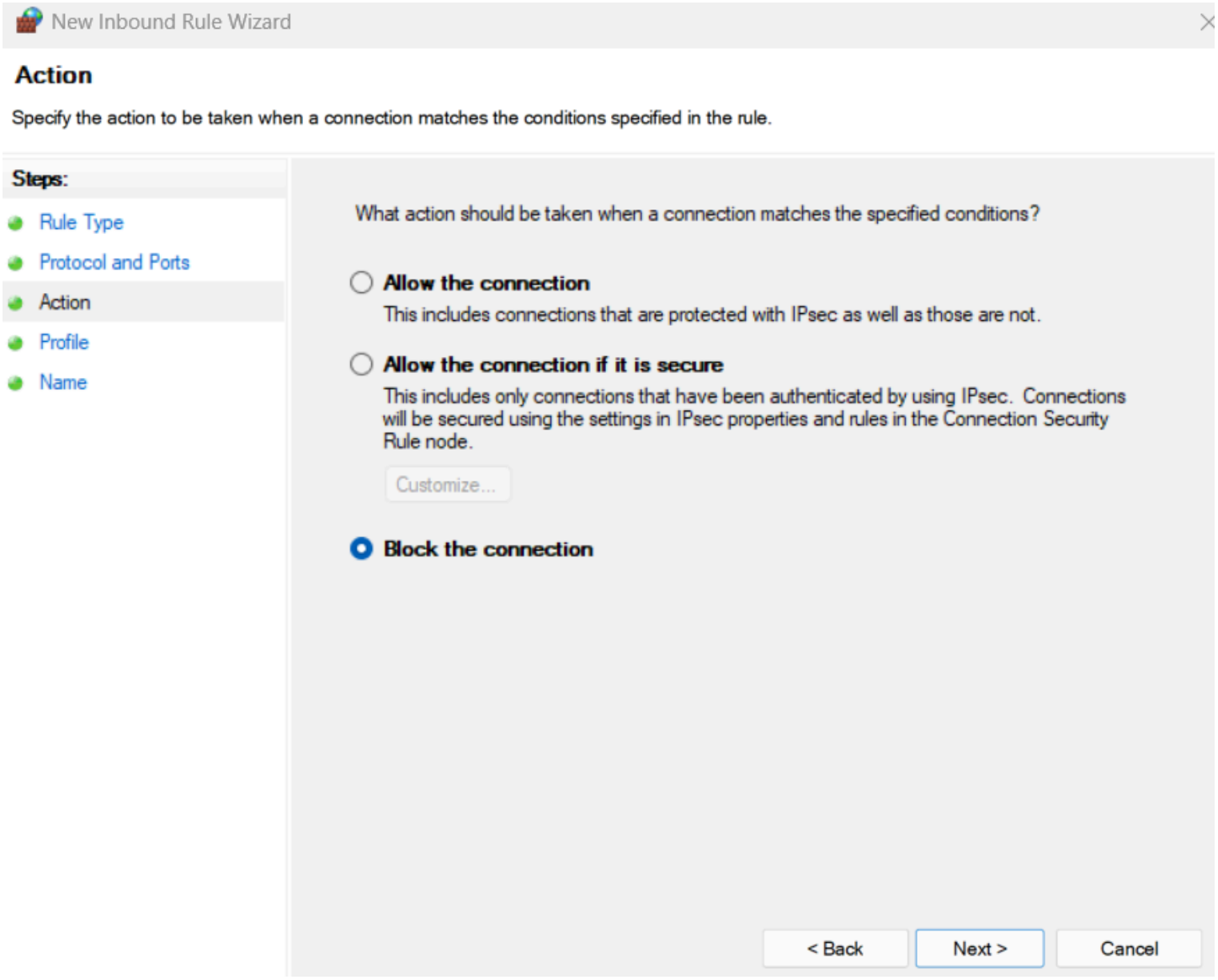
3)

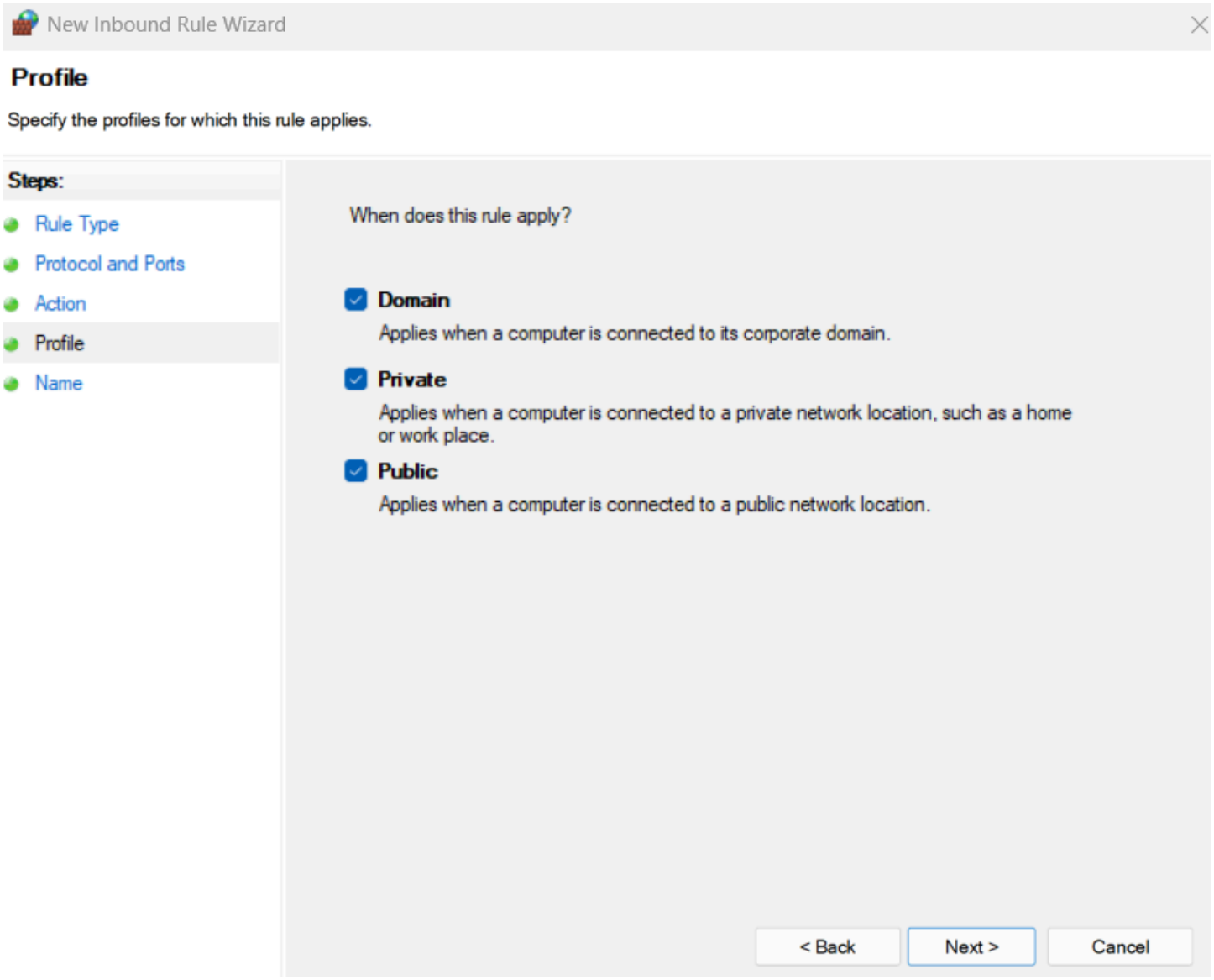
Adding a new inbound rule using new rule button on right

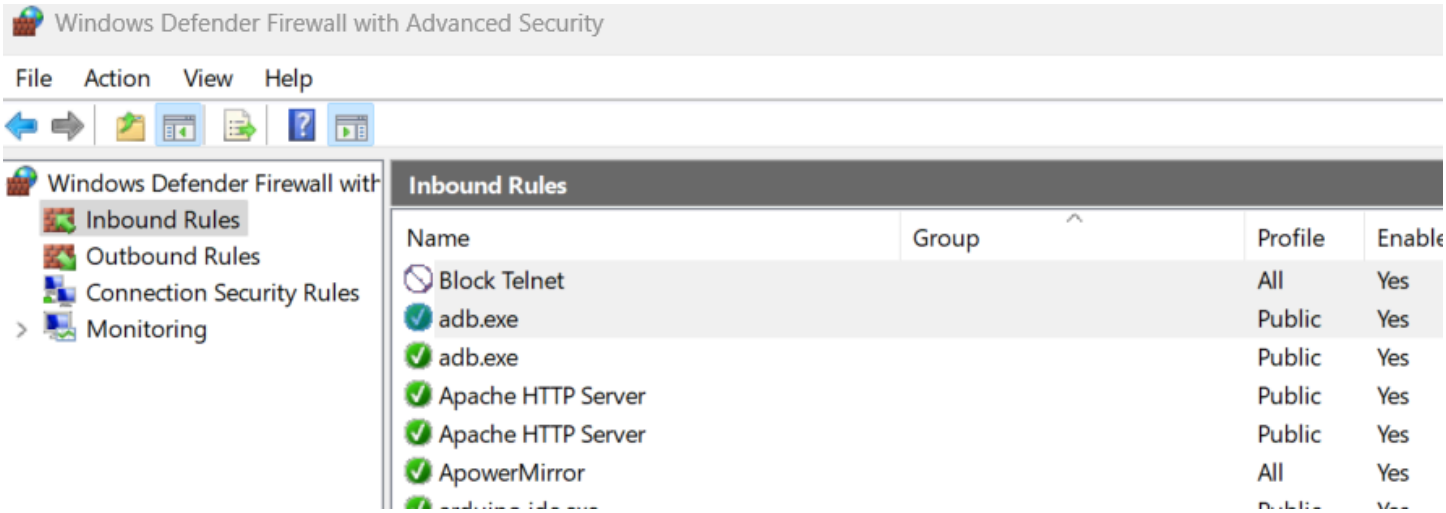


Ill add a rule that port 22 (telenet) should be blocked


New Inbound Rule Wizard
Protocol and Ports
Specify the protocols and ports to which this rule applies.
Steps:
Rule Type
Protocol and Ports
Action
Profile
Name
Does this rule apply to TCP or UDP?
TCP
UDP
Does this rule apply to all local ports or specific local ports?
All local ports
Specific local ports:
23
Example: 80, 443, 5000-5010
< Back
Next >
Cancel


New Inbound Rule Wizard
Action
Specify the action to be taken when a connection matches the conditions specified in the rule.
Steps:
Rule Type
Protocol and Ports
Action
Profile
Name
What action should be taken when a connection matches the specified conditions?
Allow the connection
This includes connections that are protected with IPsec as well as those are not.
Allow the connection if it is secure
This includes only connections that have been authenticated by using IPsec. Connections will be secured using the settings in IPsec properties and rules in the Connection Security Rule node.
Customize...
Block the connection
< Back
Next >
Cancel



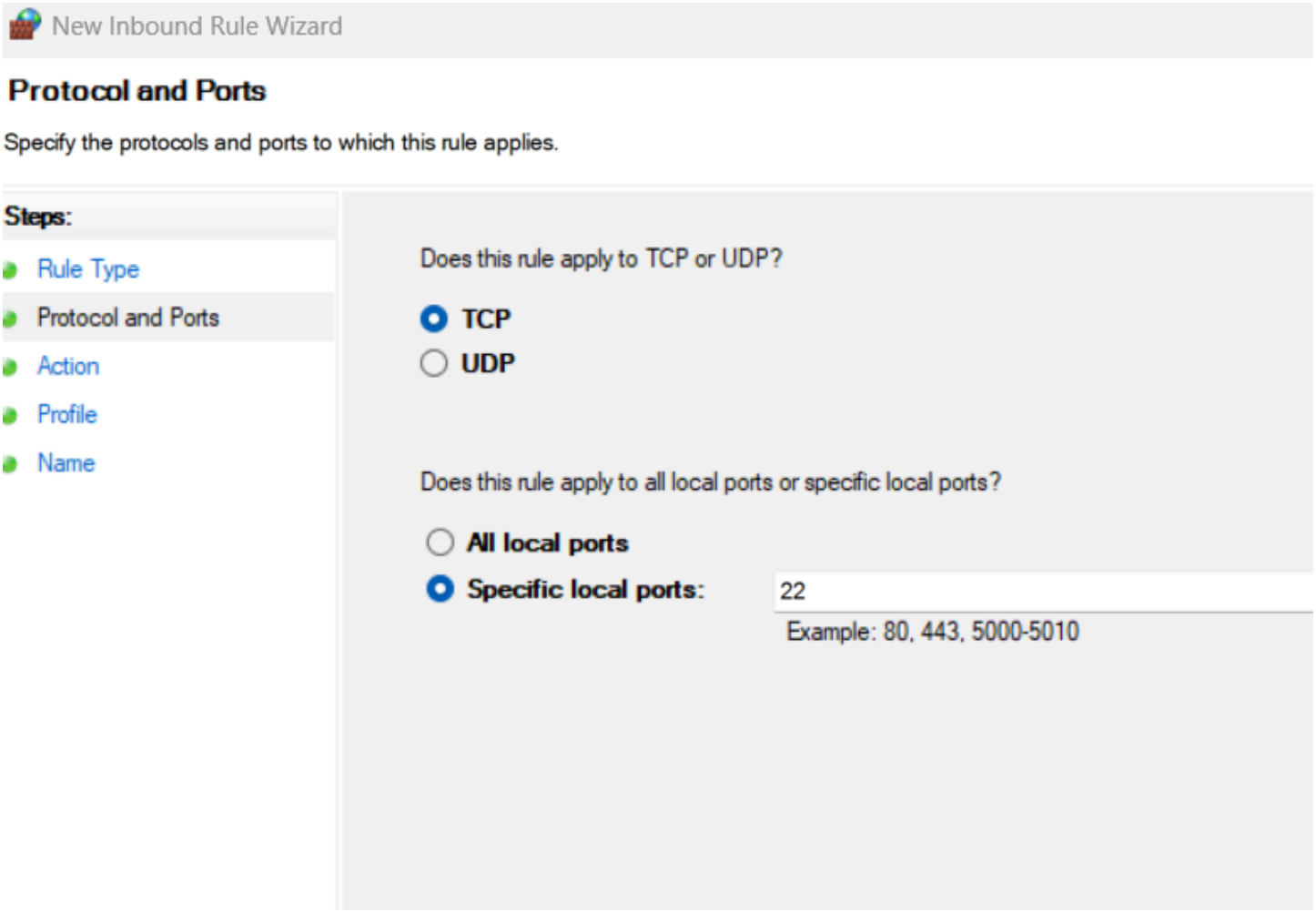


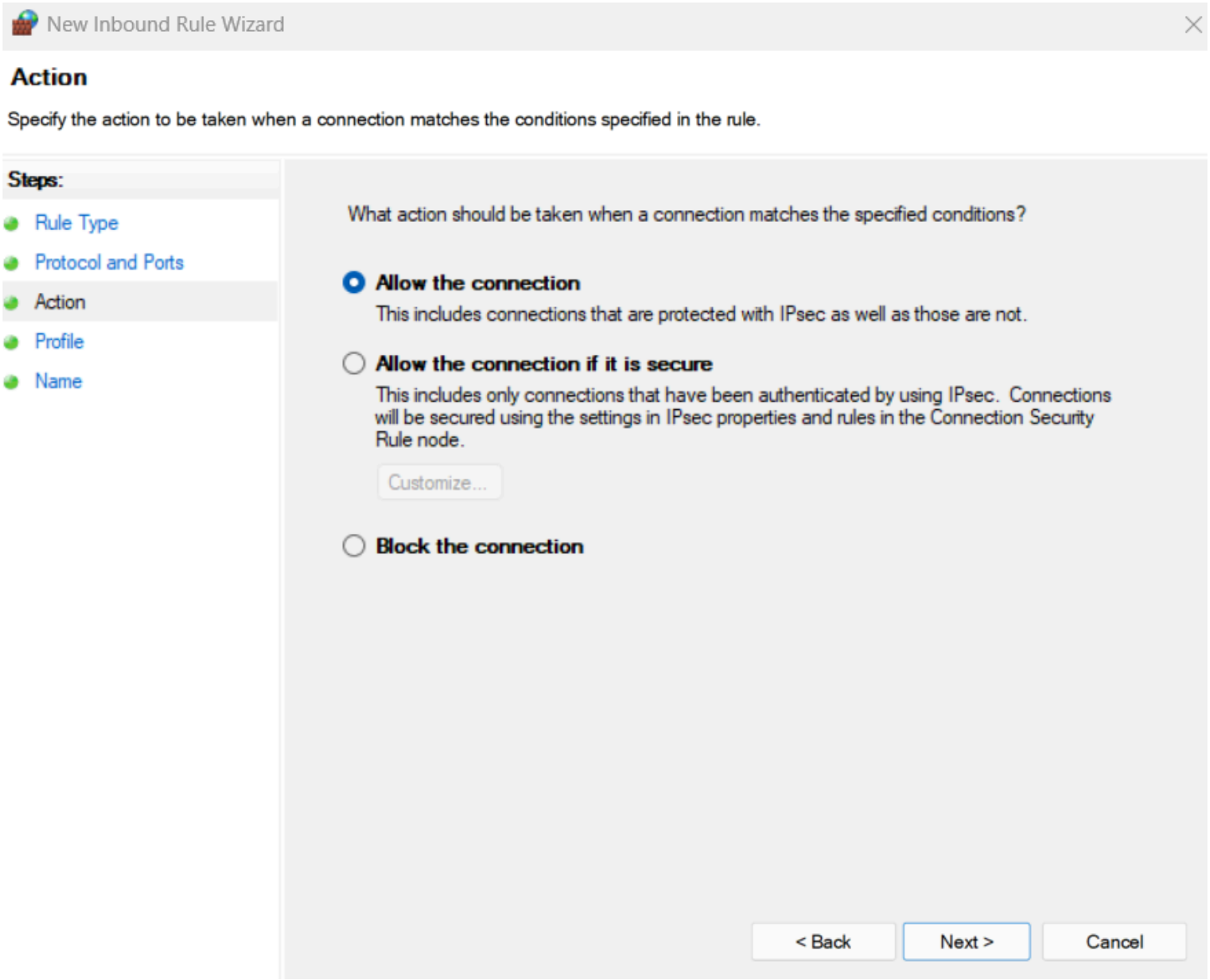
Block telnet is the rule i added

4)

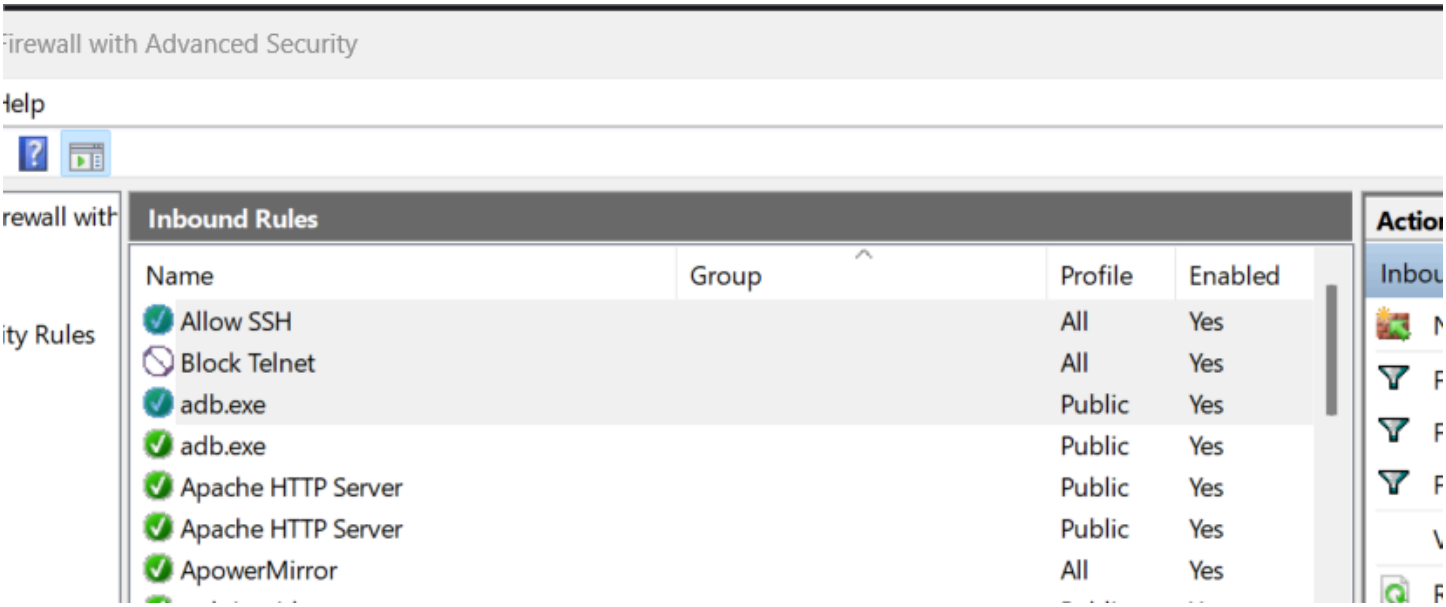
```
C:\Users\roopa>telnet localhost 23
Connecting To localhost...Could not open connection to the host, on port 23: Connect failed
```

5)
allowing SSH port 22



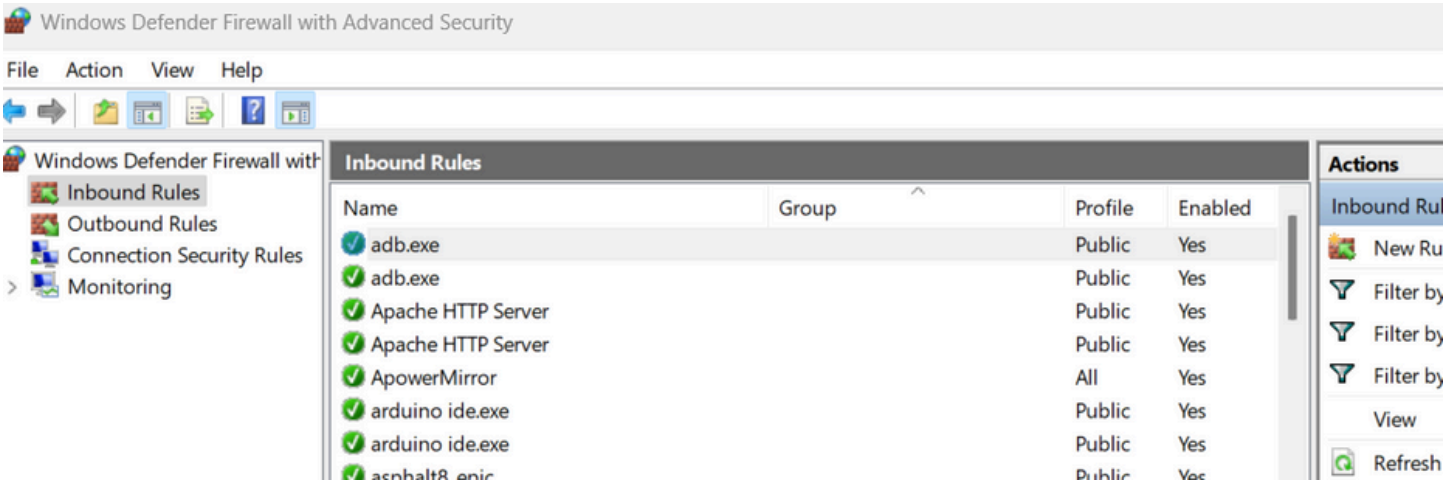


Rule added



7)

Removed Telnet after using



8)

Windows firewall filters traffic by applying rules to incoming and outgoing connections each rule can allow or block traffic based on protocol port ip address and profile domain private public we tested this by blocking telnet port 23 and verifying it with a connection attempt then allowed ssh port 22 the firewall enforces these rules in real time to protect the system