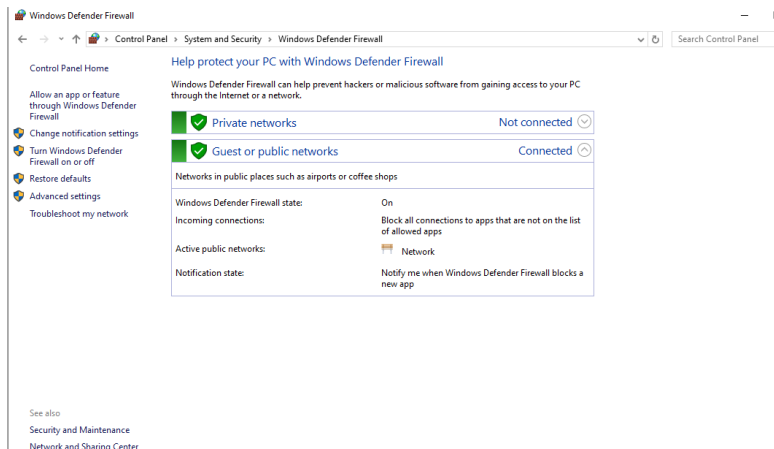
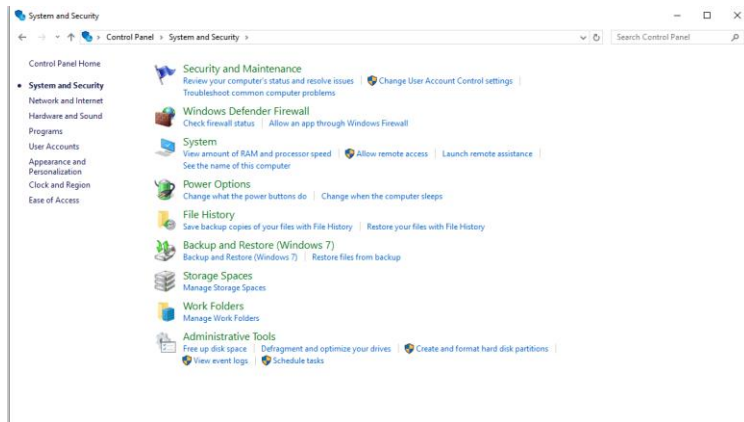
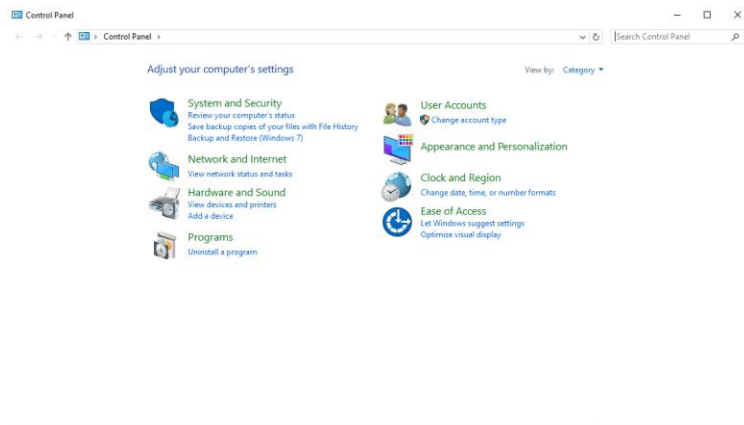
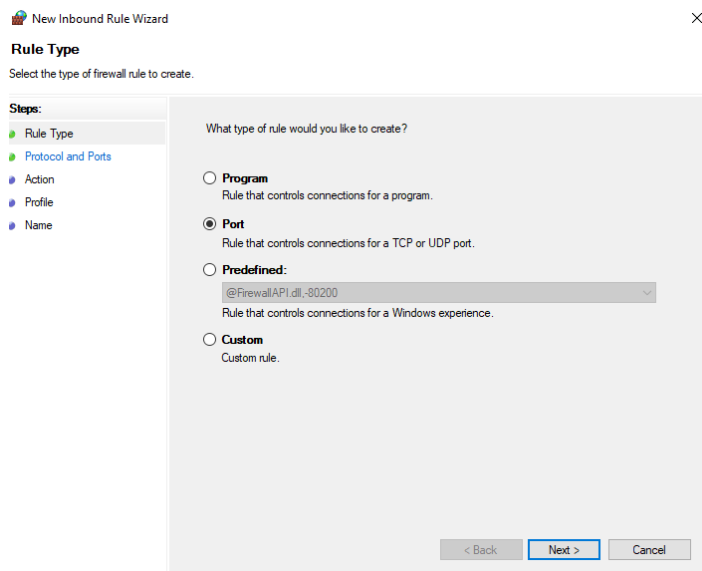
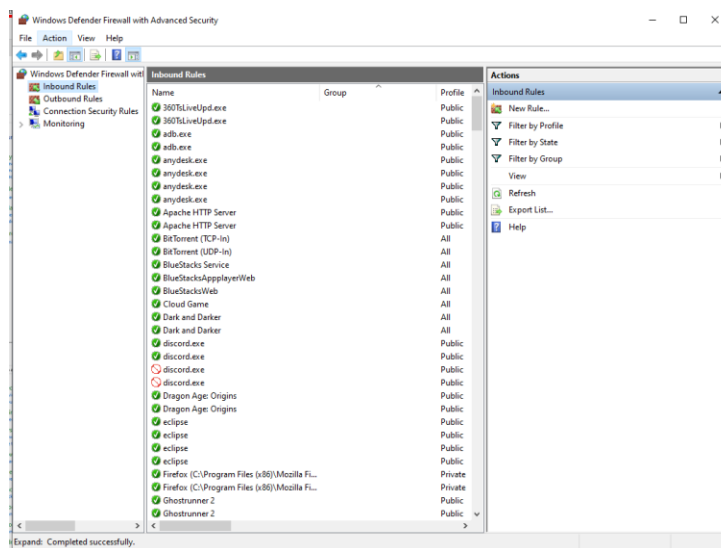
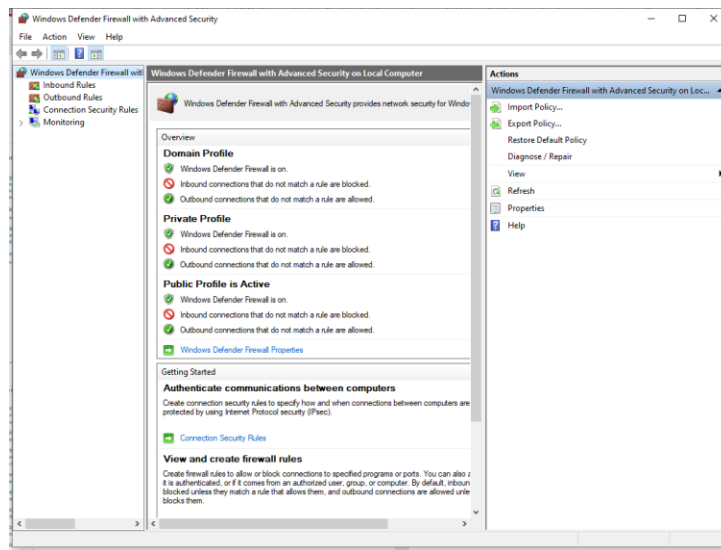


Practical 9

Aim: Firewall

To block a port





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:
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

New Inbound Rule Wizard

Name

Specify the name and description of this rule.

Steps:

- Rule Type
- Protocol and Ports
- Action
- Profile
- Name

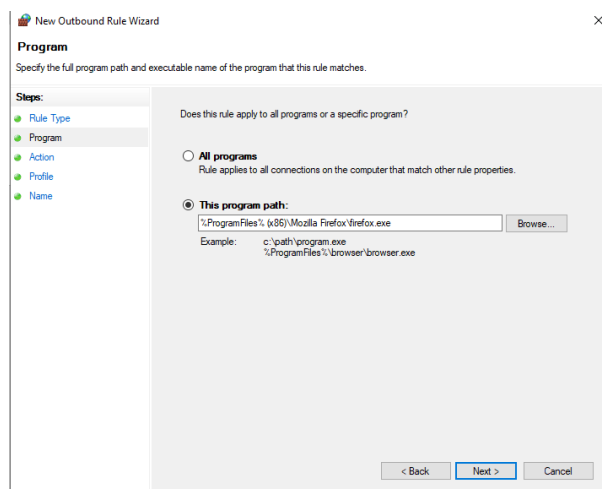
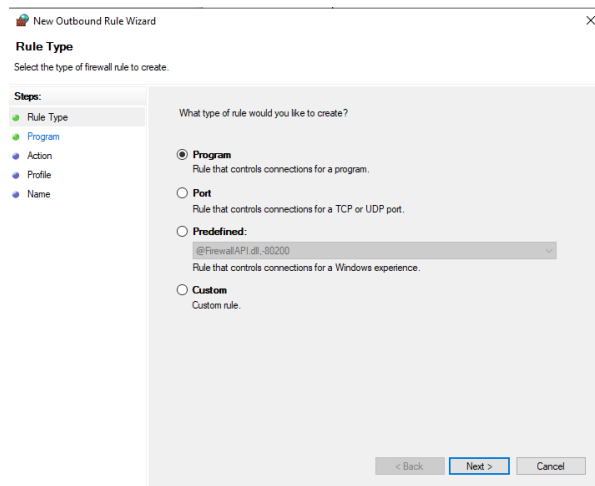
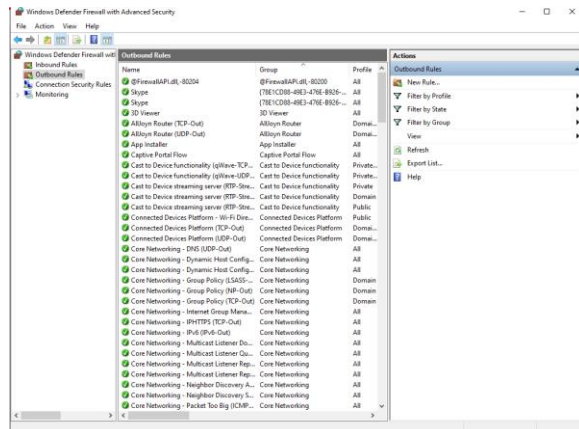
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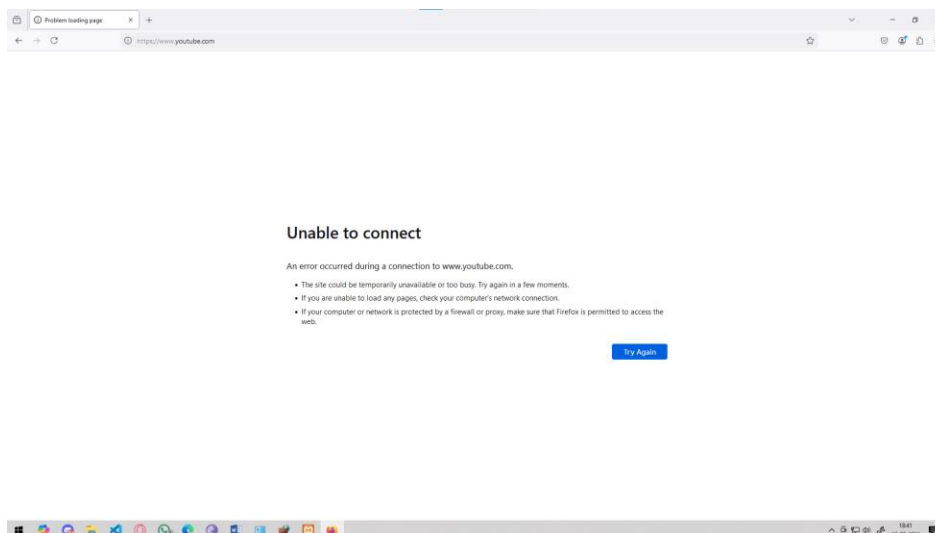
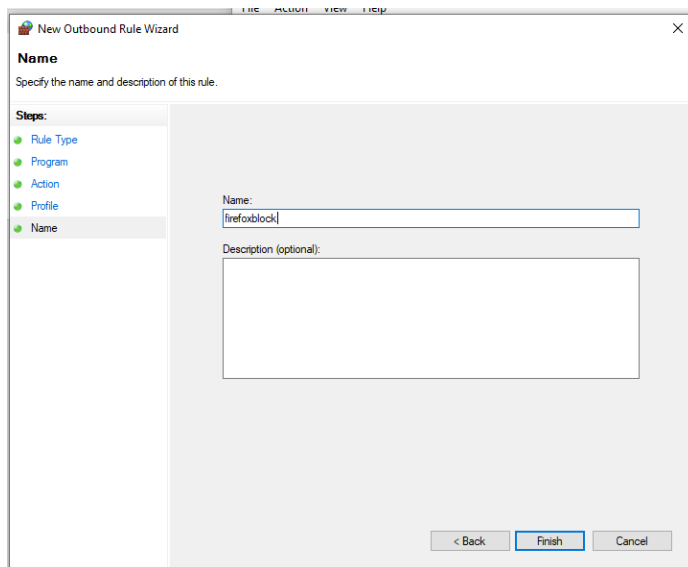
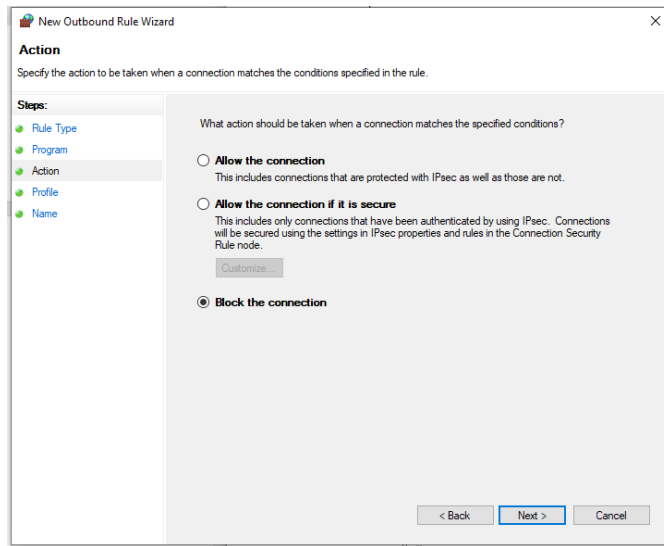
Description (optional):

< Back Finish Cancel

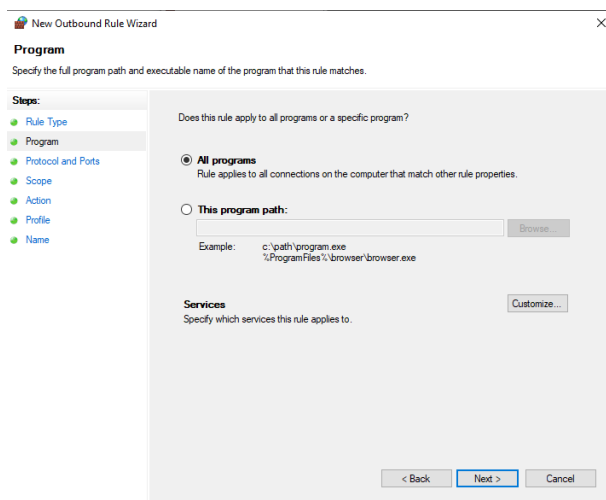
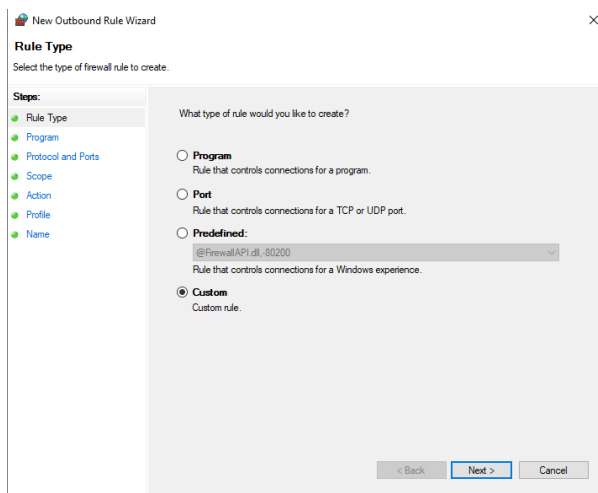
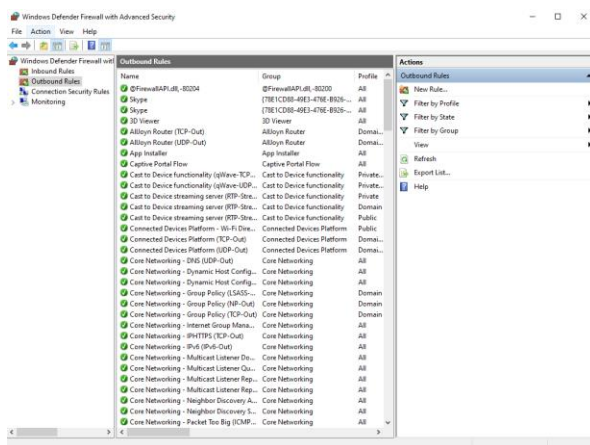
```
C:\Windows\system32>telnet localhost 80
Connecting To localhost...Could not open connection to the host, on port 80: Connect failed
C:\Windows\system32>
```

To block a program





To block a site



New Outbound Rule Wizard

Protocol and Ports

Specify the protocols and ports to which this rule applies.

Steps:

- Rule Type
- Program
- Protocol and Ports
- Scope
- Action
- Profile
- Name

To which ports and protocols does this rule apply?

Protocol type:

Protocol number:

Local port:

Example: 80, 443, 5000-5010

Remote port:

Example: 80, 443, 5000-5010

Internet Control Message Protocol (ICMP) settings:

< Back **Next >** Cancel

New Outbound Rule Wizard

Scope

Specify the local and remote IP addresses to which this rule applies.

Steps:

- Rule Type
- Program
- Protocol and Ports
- Scope
- Action
- Profile
- Name

Which local IP addresses does this rule apply to?

☒ Any IP address

☐ These IP addresses:

Customize the interface types to which this rule applies:

Which remote IP addresses does this rule apply to?

☐ Any IP address

☒ These IP addresses:

< Back **Next >** Cancel

New Outbound Rule Wizard

Action

Specify the action to be taken when a connection matches the conditions specified in the rule.

Steps:

- Rule Type
- Program
- Protocol and Ports
- Scope
- 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.

☒ **Block the connection**

< Back **Next >** Cancel

New Outbound Rule Wizard

Name

Specify the name and description of this rule.

Steps:

- Rule Type
- Program
- Protocol and Ports
- Scope
- Action
- Profile
- Name**

Name:
googleblock

Description (optional):

< Back Finish Cancel

```
C:\Users\pramo>ping 142.250.67.227

Pinging 142.250.67.227 with 32 bytes of data:
General failure.
General failure.
General failure.
General failure.

Ping statistics for 142.250.67.227:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\Users\pramo>
```