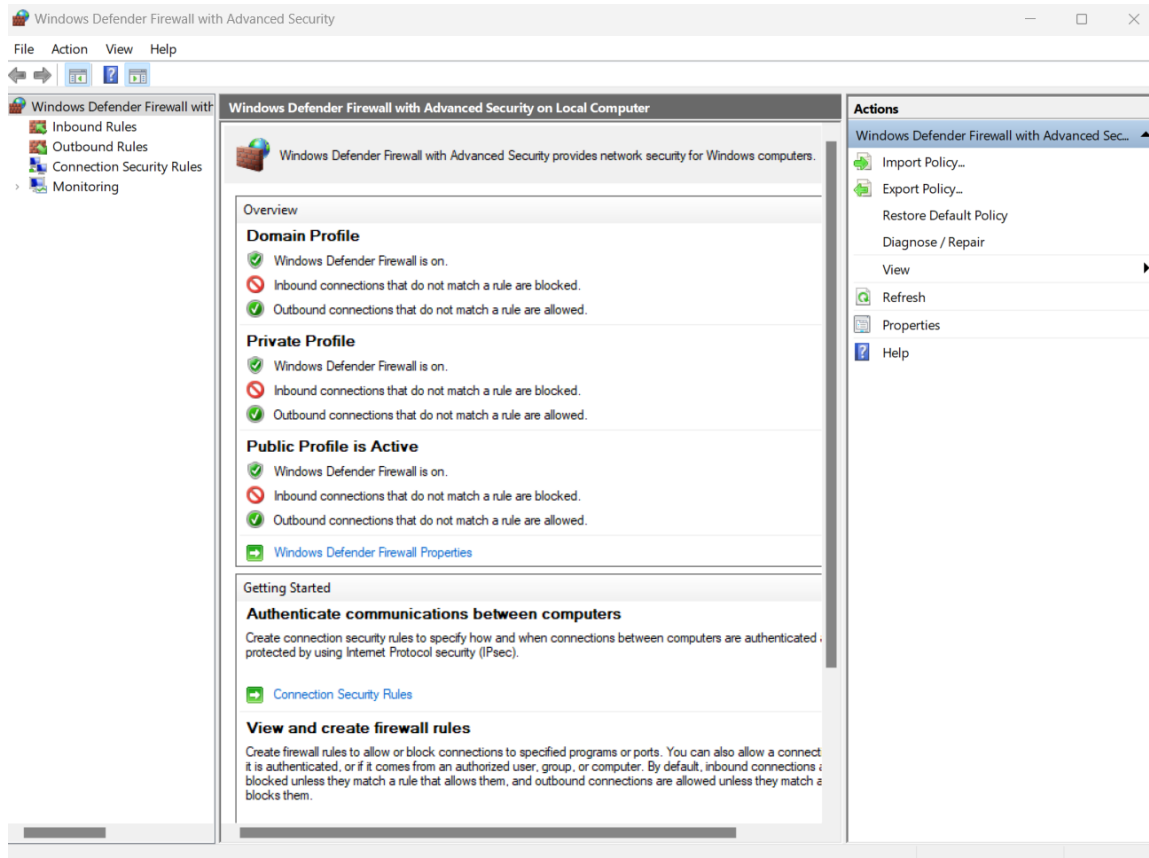


Task 4: Setup and Use a Firewall on Windows



New Inbound Rule Wizard

Rule Type

Select the type of firewall rule to create.

Steps:

Rule Type

Program

Action

Profile

Name

What type of rule would you like to create?

☒ Program

Rule that controls connections for a program.

☐ Port

Rule that controls connections for a TCP or UDP port.

☐ Predefined:

AllJoyn Router

Rule that controls connections for a Windows experience.

☐ Custom

Custom rule.

< Back

Next >

Cancel

New Inbound Rule Wizard

Rule Type

Select the type of firewall rule to create.

Steps:

Rule Type

Protocol and Ports

Action

Profile

Name

What type of rule would you like to create?

☐ Program

Rule that controls connections for a program.

☒ Port

Rule that controls connections for a TCP or UDP port.

☐ Predefined:

AllJoyn Router

Rule that controls connections for a Windows experience.

☐ Custom

Custom rule.

< Back

Next >

Cancel

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.

☒ **Block the connection**

< Back

Next >

Cancel



Profile

Specify the profiles for which this rule applies.

Steps:

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

When does this rule apply?

☒ **Domain**

Applies when a computer is connected to its corporate domain.

☒ **Private**

Applies when a computer is connected to a private network location, such as a home or work place.

☒ **Public**

Applies when a computer is connected to a public network location.

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Next >

Cancel

New Inbound Rule Wizard

Name

Specify the name and description of this rule.

Steps:

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

Name:
Block Telnet Port 23

Description (optional):

< Back Finish Cancel

```
Microsoft Windows [Version 10.0.22631.5335]
(c) Microsoft Corporation. All rights reserved.

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

C:\Users\saima>
```

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:

22

Example: 80, 443, 5000-5010

< Back

Next >

Cancel

Windows Defender Firewall with Advanced Security

File

Action

View

Help

Windows Defender Firewall with Advanced Security

Inbound Rules

Outbound Rules

Connection Security Rules

Monitoring

delete this port

Add this port

Name	Group	Profile	Enabled
SSH 22		All	Yes
Block Telnet Port 23		All	Yes
Microsoft Office Outlook		Public	Yes
Microsoft Teams (personal)	{78E1CD88-49E3-476E-B926-...}	All	Yes
Microsoft Teams (personal)	{78E1CD88-49E3-476E-B926-...}	All	Yes
AllJoyn Router (TCP-In)	AllJoyn Router	Domain...	Yes
AllJoyn Router (UDP-In)	AllJoyn Router	Domain...	Yes
App Installer	App Installer	Domain...	Yes
Cast to Device functionality (qWave-TCP-In)	Cast to Device functionality	Private...	Yes
Cast to Device functionality (qWave-UDP-In)	Cast to Device functionality	Private...	Yes
Cast to Device SSDP Discovery (UDP-In)	Cast to Device functionality	Public	Yes
Cast to Device streaming server (HTTP-Str...	Cast to Device functionality	Private	Yes
Cast to Device streaming server (HTTP-Str...	Cast to Device functionality	Public	Yes
Cast to Device streaming server (HTTP-Str...	Cast to Device functionality	Domain	Yes
Cast to Device streaming server (RTCP-Str...	Cast to Device functionality	Public	Yes
Cast to Device streaming server (RTCP-Str...	Cast to Device functionality	Domain	Yes
Cast to Device streaming server (RTCP-Str...	Cast to Device functionality	Private	Yes
Cast to Device streaming server (RTSP-Str...	Cast to Device functionality	Public	Yes
Cast to Device streaming server (RTSP-Str...	Cast to Device functionality	Domain	Yes
Cast to Device streaming server (RTSP-Str...	Cast to Device functionality	Private	Yes
Cast to Device UPnP Events (TCP-In)	Cast to Device functionality	Public	Yes
Connected Devices Platform - Wi-Fi Direct...	Connected Devices Platform	Public	Yes
Connected Devices Platform (TCP-In)	Connected Devices Platform	Domain...	Yes
Connected Devices Platform (UDP-In)	Connected Devices Platform	Domain...	Yes
Core Networking - Destination Unreachab...	Core Networking	All	Yes
Core Networking - Destination Unreachab...	Core Networking	All	Yes
Core Networking - Dynamic Host Configu...	Core Networking	All	Yes
Core Networking - Dynamic Host Configu...	Core Networking	All	Yes
Core Networking - Internet Group Manag...	Core Networking	All	Yes
Core Networking - IPHTTPS (TCP-In)	Core Networking	All	Yes
Core Networking - IPv6 (IPv6-In)	Core Networking	All	Yes

Actions

Inbound Rules

New Rule...

Filter by Profile

Filter by State

Filter by Group

View

Refresh

Export List...

Help

Selected Items

Disable Rule

Cut

Copy

Delete

Help

```
Command Prompt
Microsoft Windows [Version 10.0.22631.5335]
(c) Microsoft Corporation. All rights reserved.

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

C:\Users\saima>SSH 22
ssh: connect to host 0.0.0.22 port 22: Unknown error

C:\Users\saima>
```