

UNIVERSE Services & Ports

To be able to use all of UNIVERSE's features and services some ports need to be open in order for other devices to communicate with UNIVERSE.

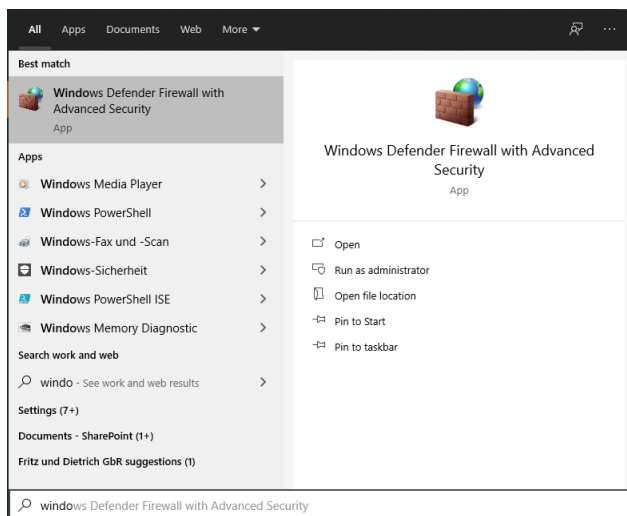
UNIVERSE offers the following services:

- Satellites:
 - o TCP 15540
 - o UDP 15548
 - o UDP 15549
 - o TCP 15550
- Web Interface
 - o TCP 8090
- Remote
 - o UDP 7878

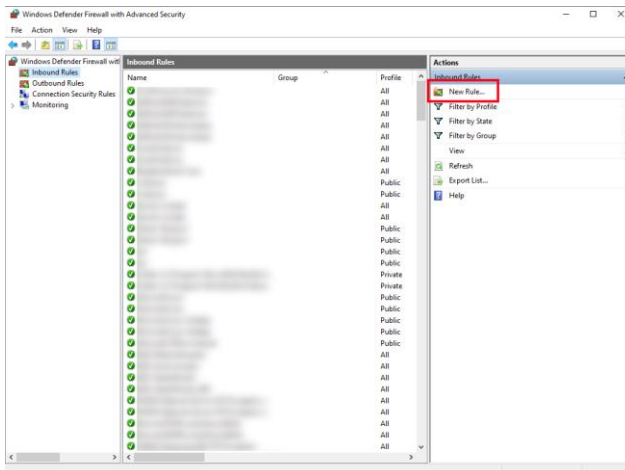
In addition, you may need to open ports for the devices and connectors you are using in your project.

Opening a port in the Windows defender Firewall is done by adding a rule to the Inbound Rule:

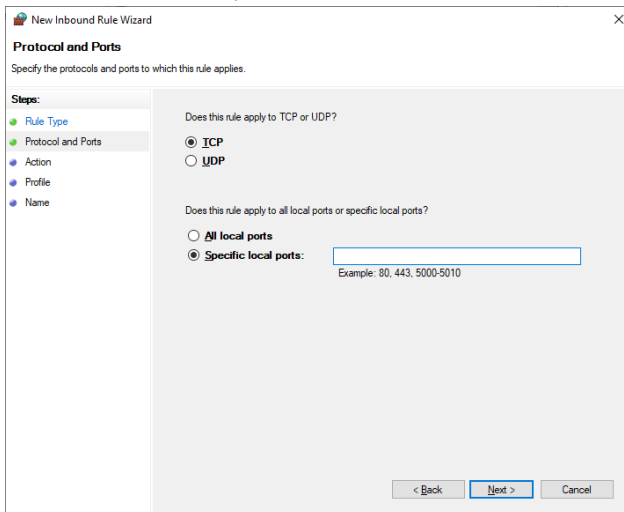
1. Search for "Windows Defender Firewall with advanced security" in the start menu.



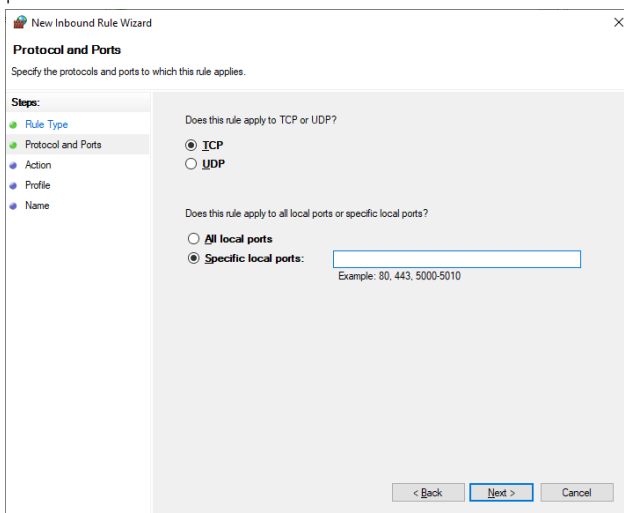
- Go to the section “Inbound Rules” and create a new rule.



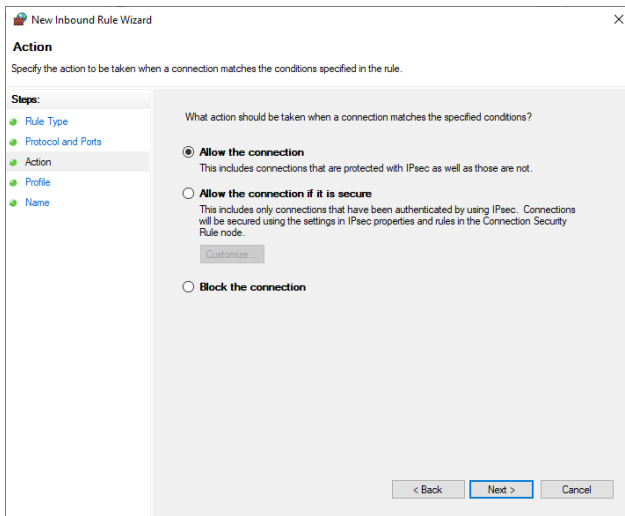
- Select “Port” and press “Next”



- Select the protocol and enter the specific port you're the service you are adding and press “Next”



5. Select “Allow the connection” and select “Next”



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?

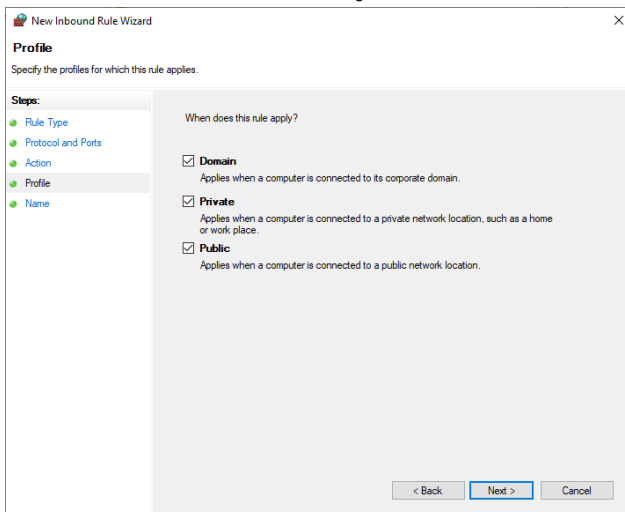
Allow the connection
This includes connections that are protected with IPsec as well as those are not.

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

6. Select the zones for which you want to allow access and press “Next”



New Inbound Rule Wizard

Profile
Specify the profiles for which this rule applies.

Steps:

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

When does this rule apply?

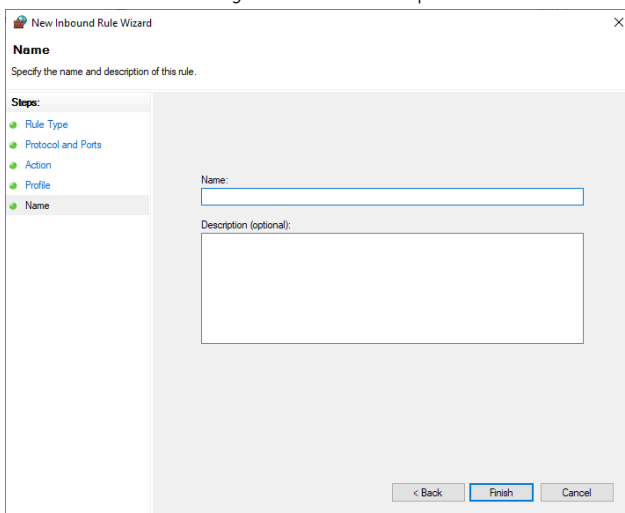
Domain
Applies when a computer is connected to its corporate domain.

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.

< Back **Next >** Cancel

7. Enter a name for your rule and press “Finish”



New Inbound Rule Wizard

Name
Specify the name and description of this rule.

Steps:

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

Name:

Description (optional):

< Back **Finish** Cancel

8. Repeat the process for all the UNIVERSE services and the port of the devices and connectors in your project.