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## How to Set the Custom Port for MSSQL Remote Access?

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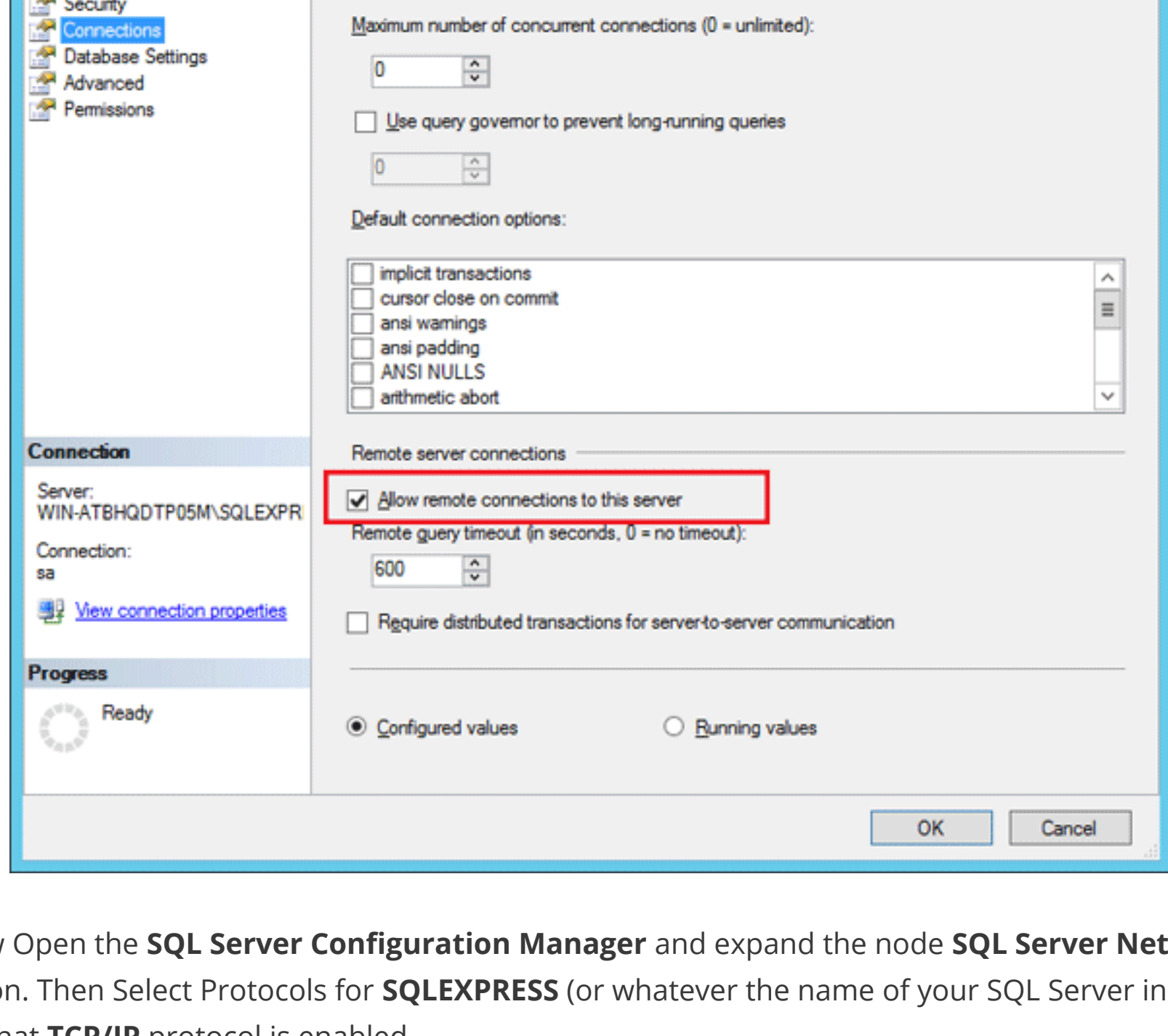
May 13, 2017 Victor Victorics Tutorials

To assign a TCP/IP port number to the SQL Server Database Engine follow the steps below:

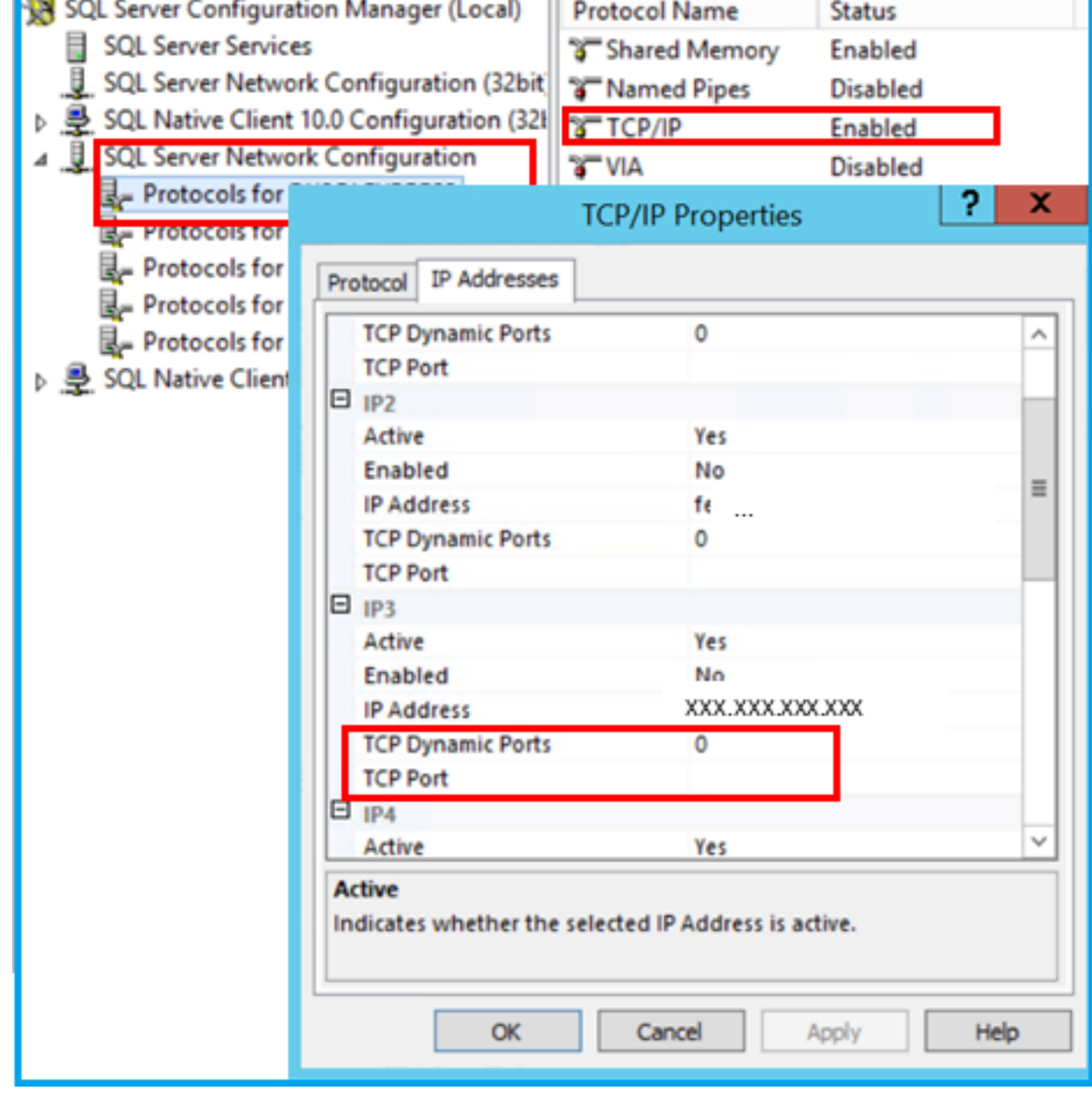
**STEP 1:** Open the **SQL Server Management Studio** and login to your Database locally.

**STEP 2:** Right-click on the server name in the left panel and select **Properties**.

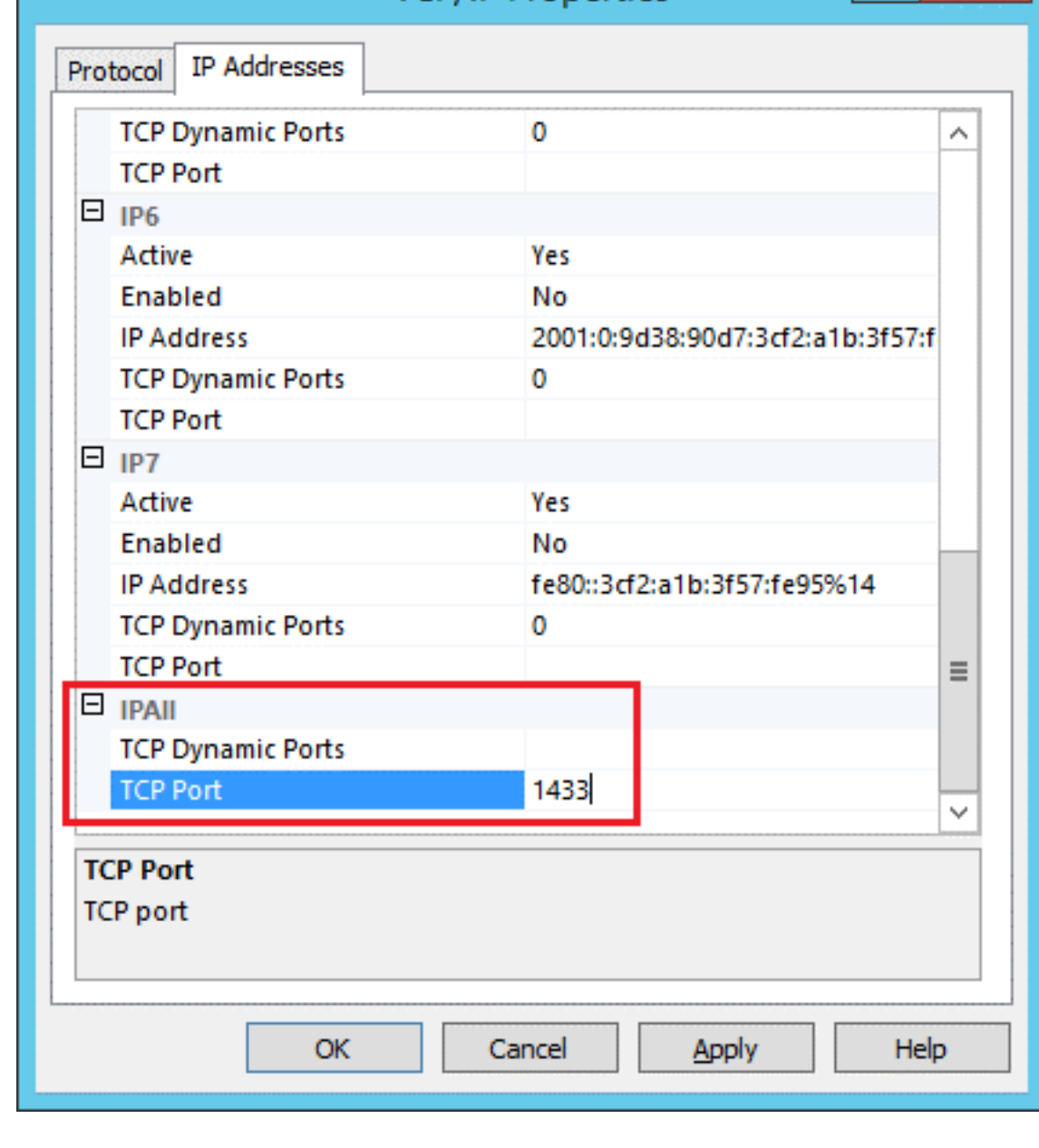
**STEP 3:** Select the **Connections** page on the left side and make sure that **"Allow remote connections to this server"** option is checked. Then exit **SQL Server Management Studio**.



**STEP 4:** Now Open the **SQL Server Configuration Manager** and expand the node **SQL Server Network Configuration**. Then Select Protocols for **SQLSERVER** (or whatever the name of your SQL Server instance is). Make sure that **TCP/IP** protocol is enabled.

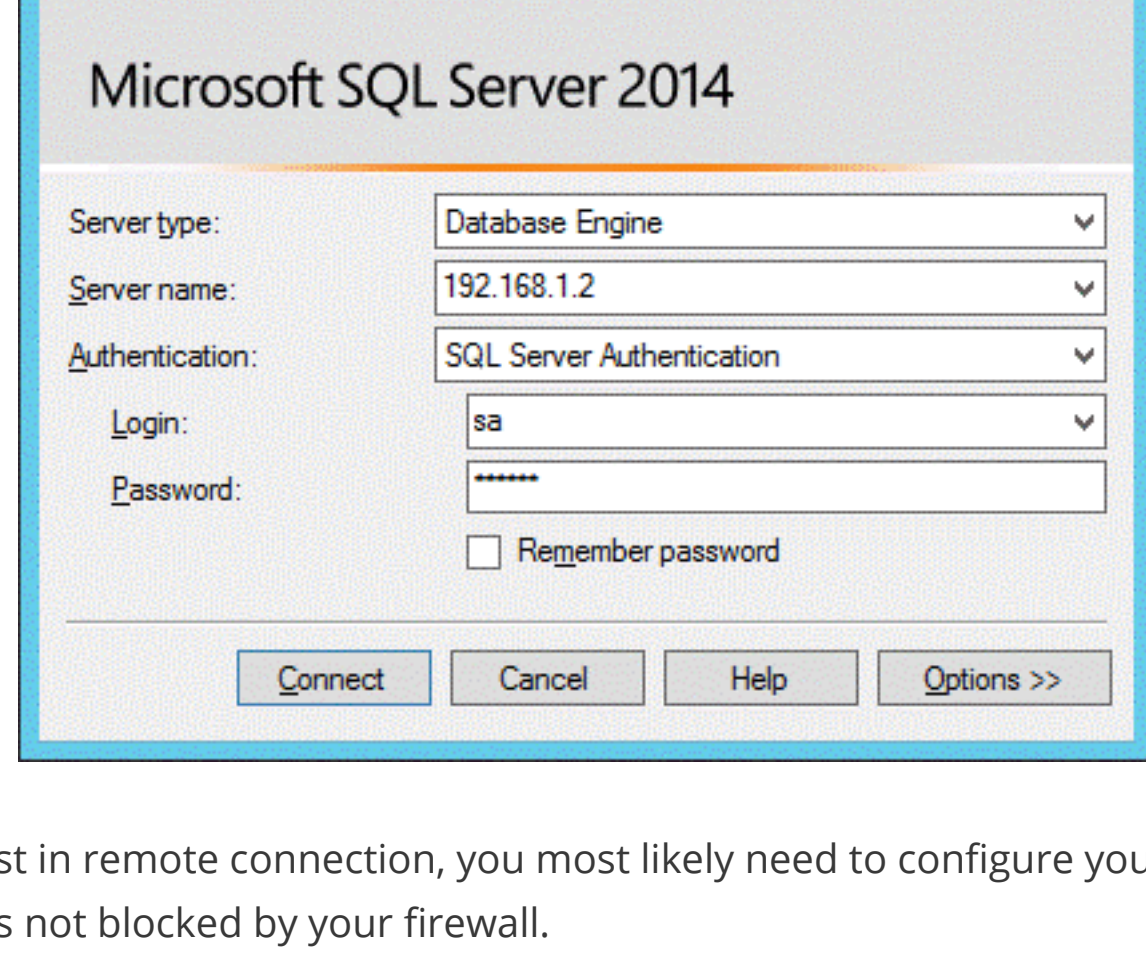


**STEP 5:** Right click on **TCP/IP** and choose **Properties**. In the TCP/IP Properties dialog box, click on the **IP Addresses** tab and scroll down to **IPALL** section. Make sure **TCP Dynamic Ports** is blank and that **TCP Port** is set to 1433 (or whatever you want to set **TCP Port**).



**STEP 6:** First Click on **Apply** button and then the **OK** button to save your changes. After that restart your **SQL Server** instance.

Now you are able to connect to your SQL Server instance remotely using **SQL Server Management Studio**.

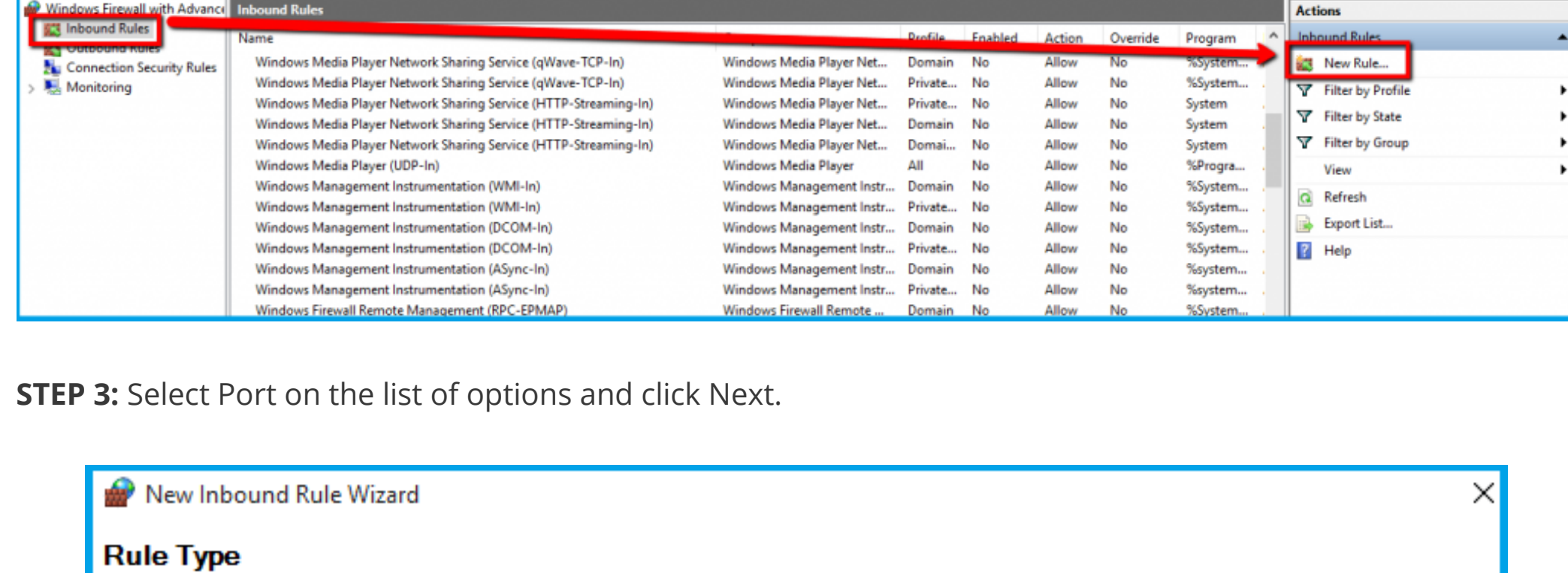


If there is problem persist in remote connection, you most likely need to configure your **firewall** settings. Make sure the TCP port 1433 is not blocked by your firewall.

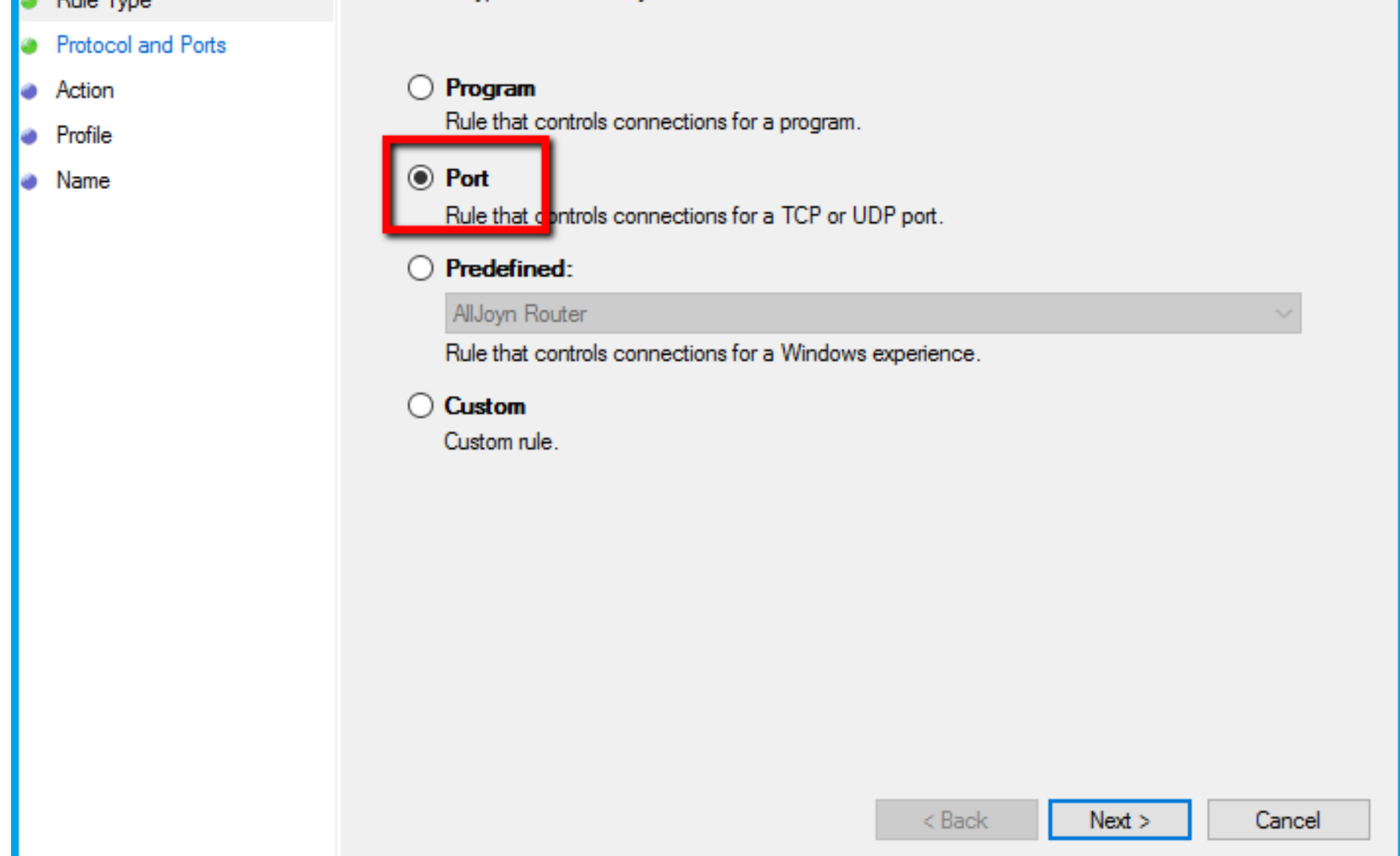
Take a look at the following steps to create a new rule in firewall setting for remote connection.

**STEP 1:** In the **Windows Firewall** in Control Panel, click on the **Advanced Settings** button on the **Run OR Start** >> **Run** >> Type **wf.msc** and hit Enter.

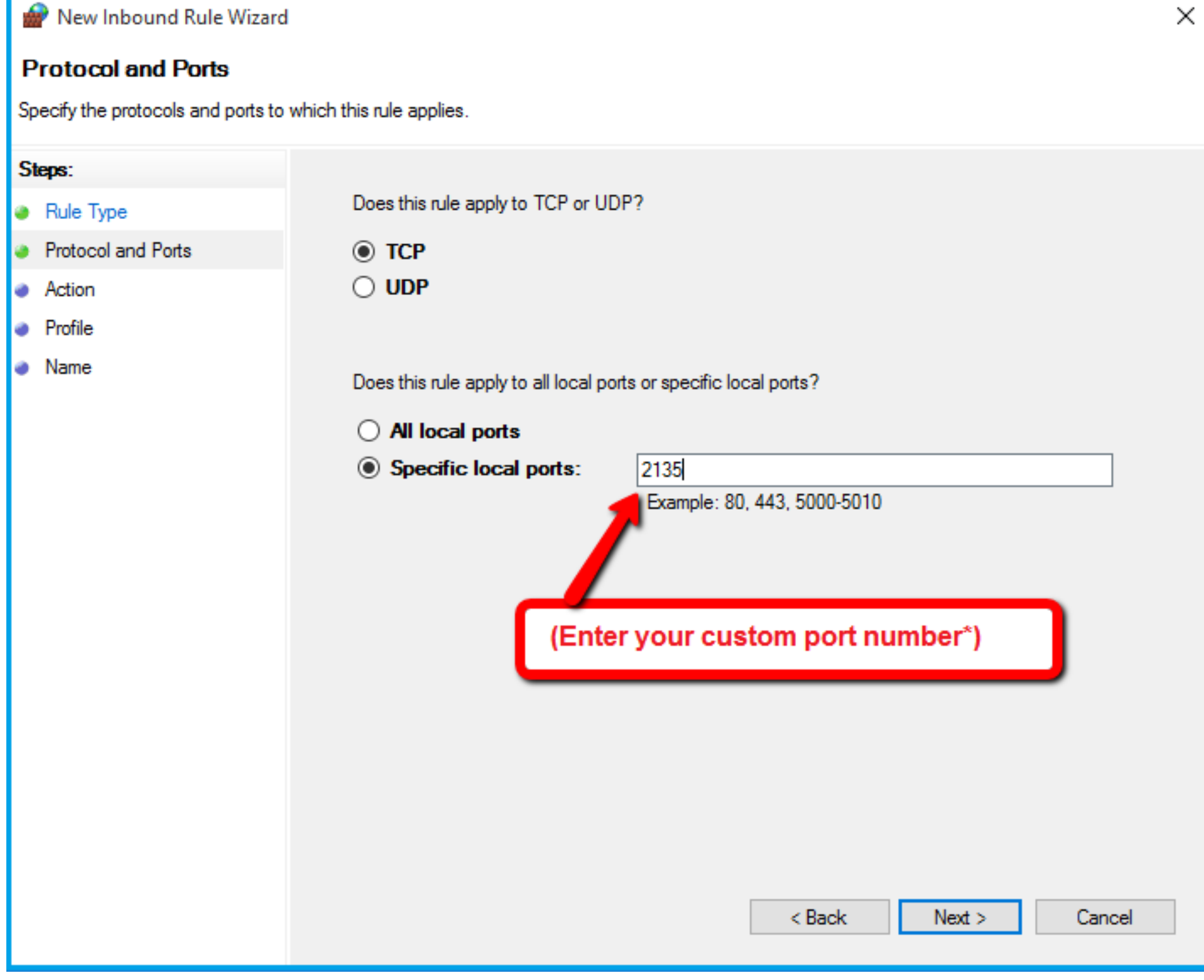
**STEP 2:** In the **Windows Firewall with Advanced Security** window that opens, click on the Inbound Rules in the left panel. Click on the **New Rule** on the right panel of the window.



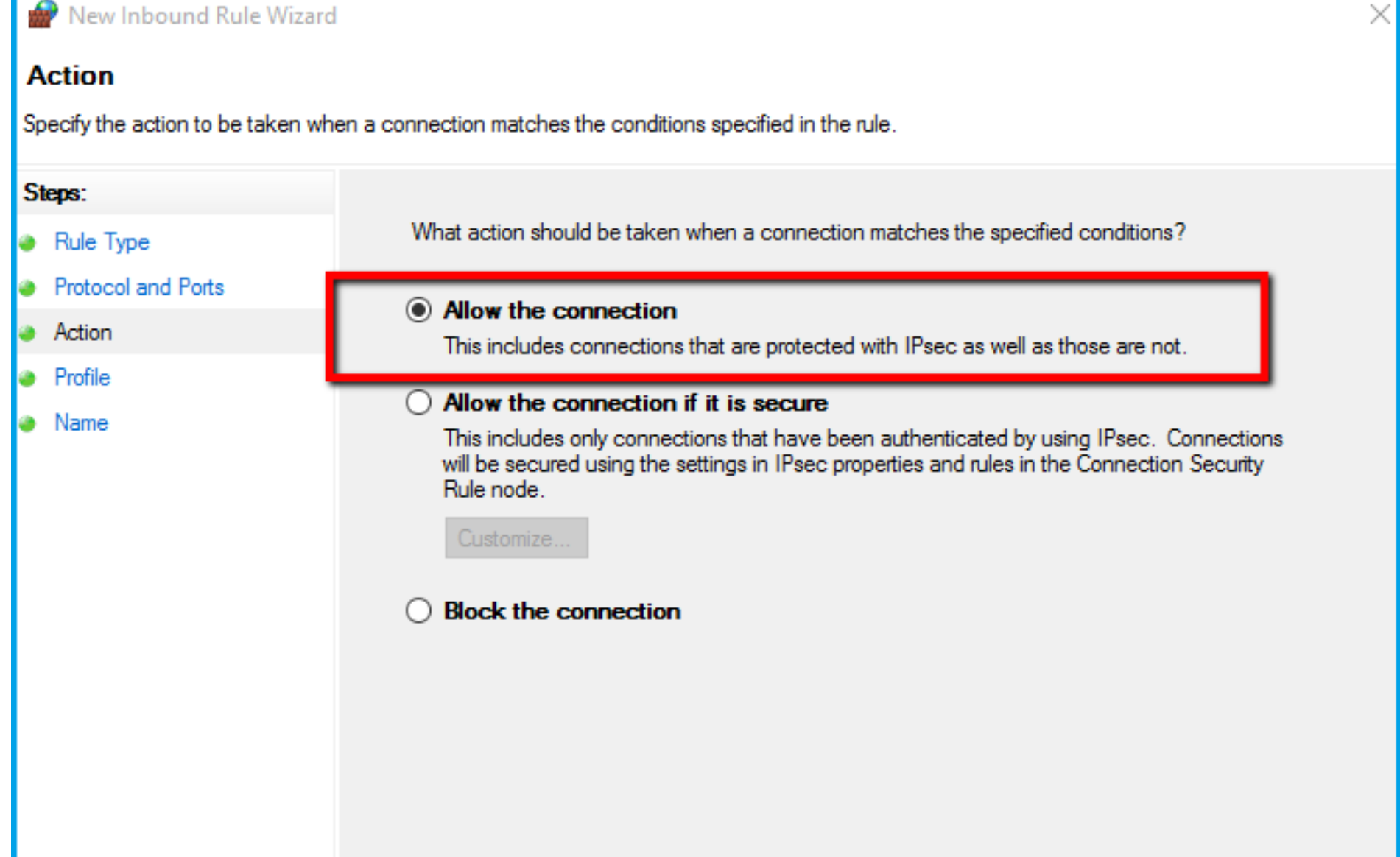
**STEP 3:** Select **Port** on the list of options and click **Next**.



**STEP 4:** Select **TCP** (or UDP if that is what you require) and **Specific local ports**, and then enter your ports in the text box in front of **Specific local ports** (i.e. 1234). Click **Next**.



**STEP 5:** Select **Allow** the connection. Click on **Next**.

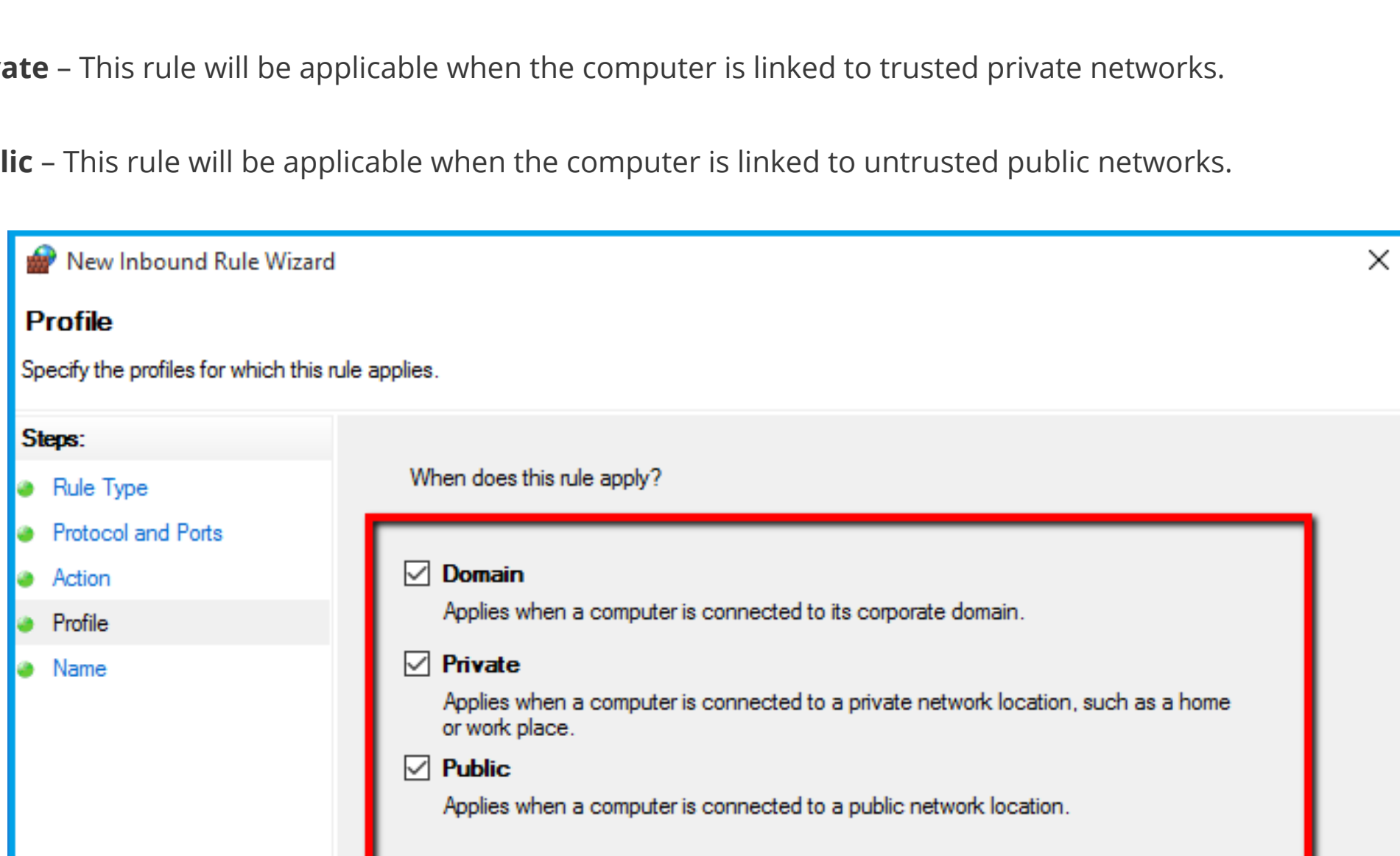


**STEP 6:** Select the options which you want from **Domain**, **Private**, **Public**. Click on **Next**.

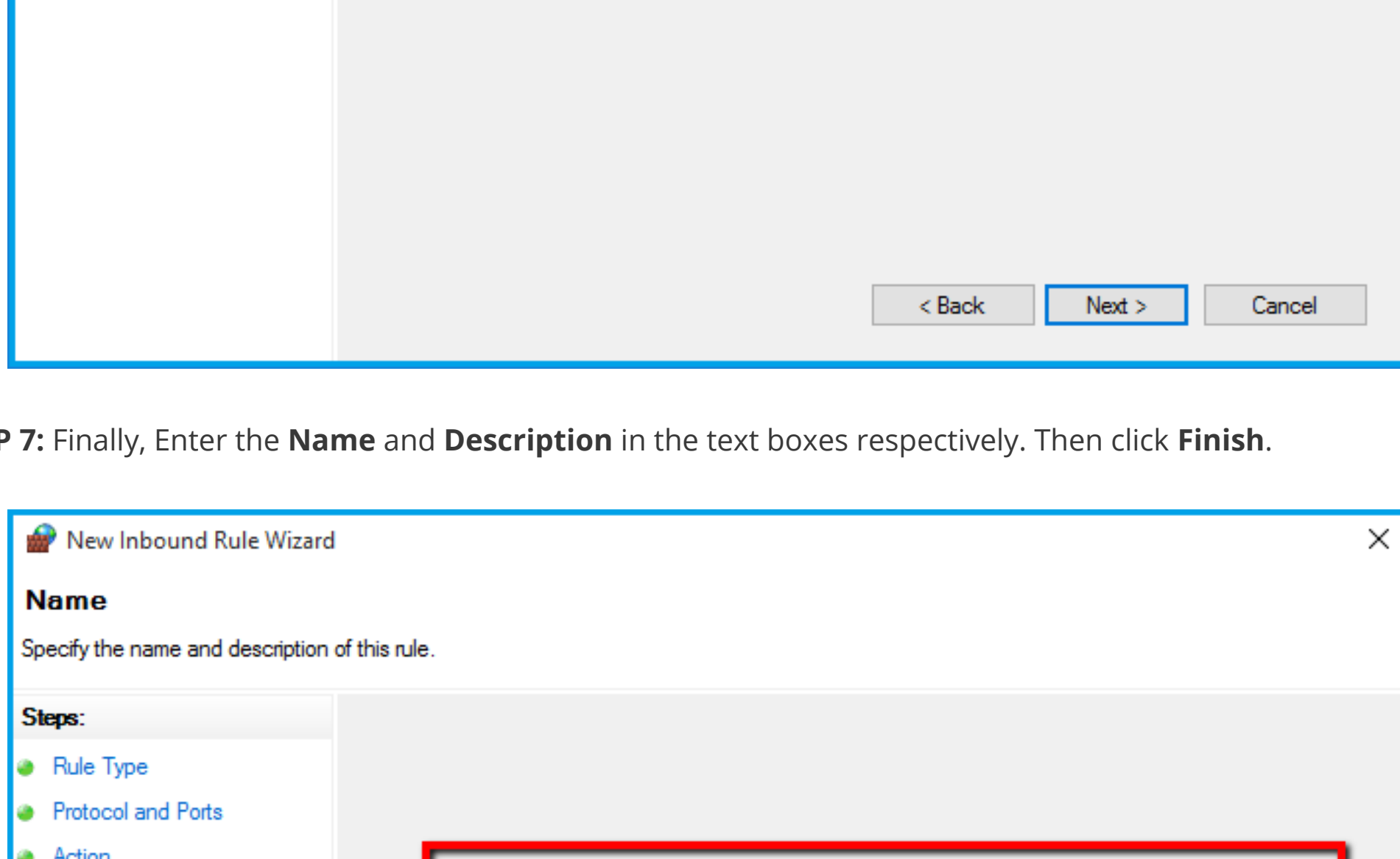
**Domain** - This rule will be applicable when the computer is linked to a network domain.

**Private** - This rule will be applicable when the computer is linked to trusted private networks.

**Public** - This rule will be applicable when the computer is linked to untrusted public networks.



**STEP 7:** Finally, Enter the **Name** and **Description** in the text boxes respectively. Then click **Finish**.



After following these steps your port should be allowed through the Windows Firewall.

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