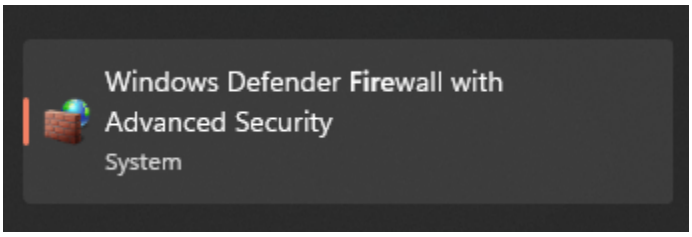
KF Comm 2 Software: OPC UA Port Setup

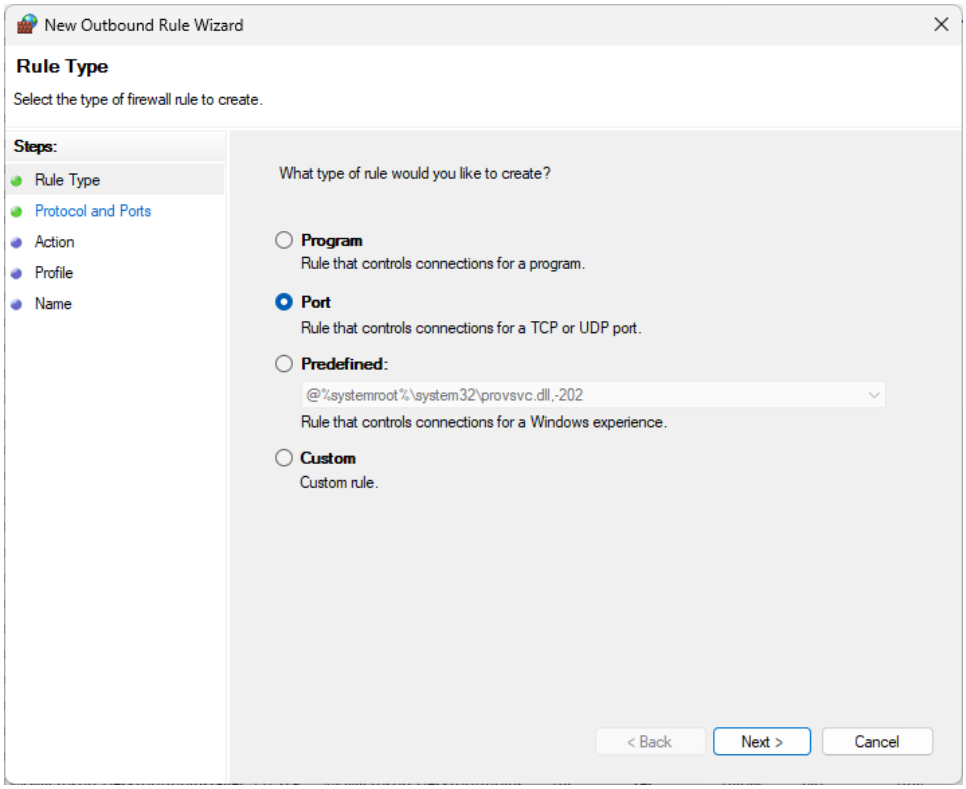
Abstract:	This article describes how to connect KF Comm 2 Software to an external client through an OPC UA server for monitoring purposes.
Applicability:	This functionality is available in KF Comm 2 software version 3.2.7 or newer.

KF Comm PC

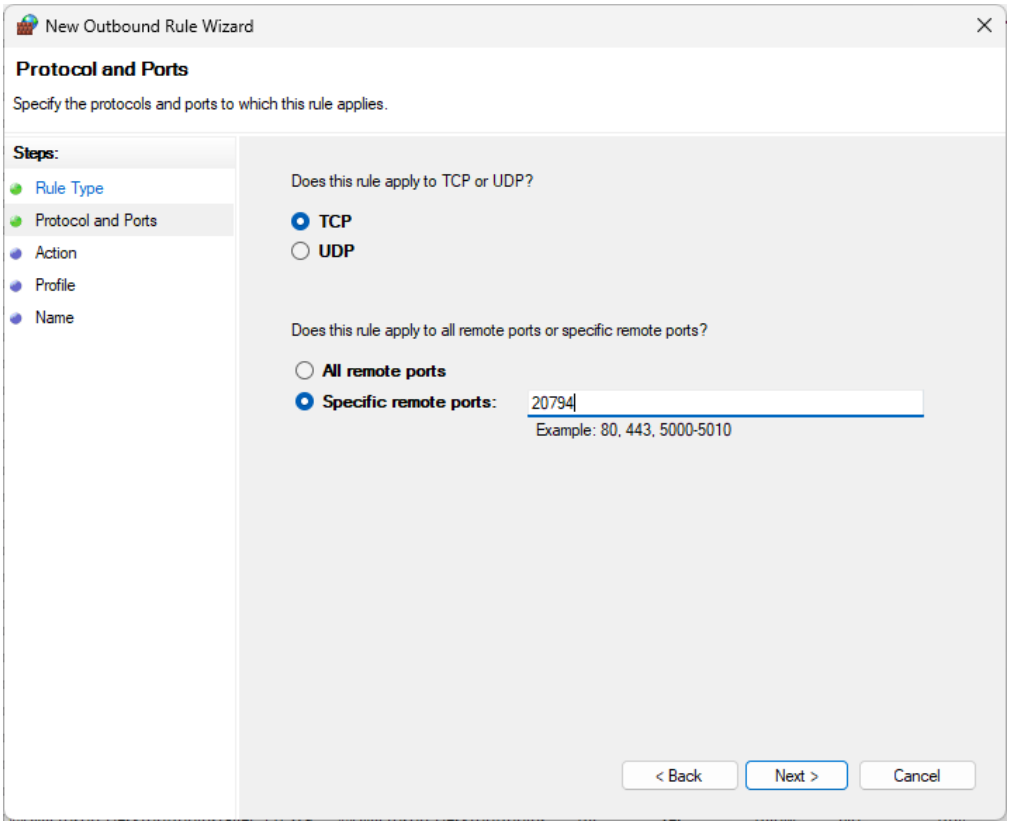
1. On the PC running KF Comm 2 software, open Windows Defender Firewall with Advanced Security. You may need to run as administrator.



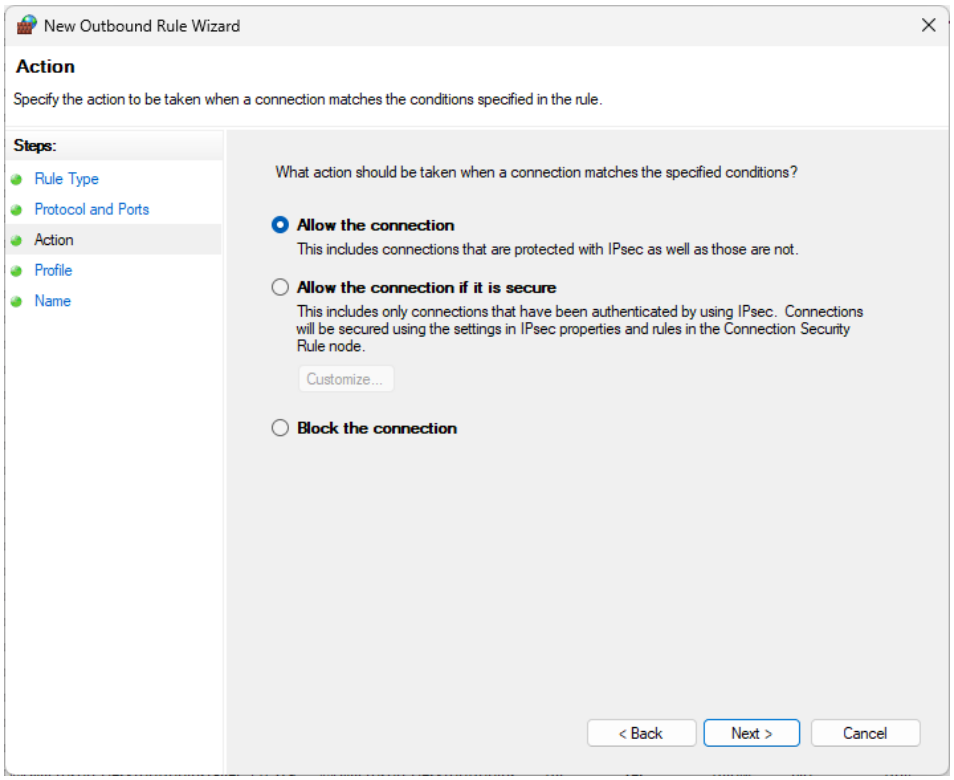
2. Click on Outbound Rules in the left sidebar.
3. Click New Rule… in the right sidebar.
4. **Rule Type:** Select Port.



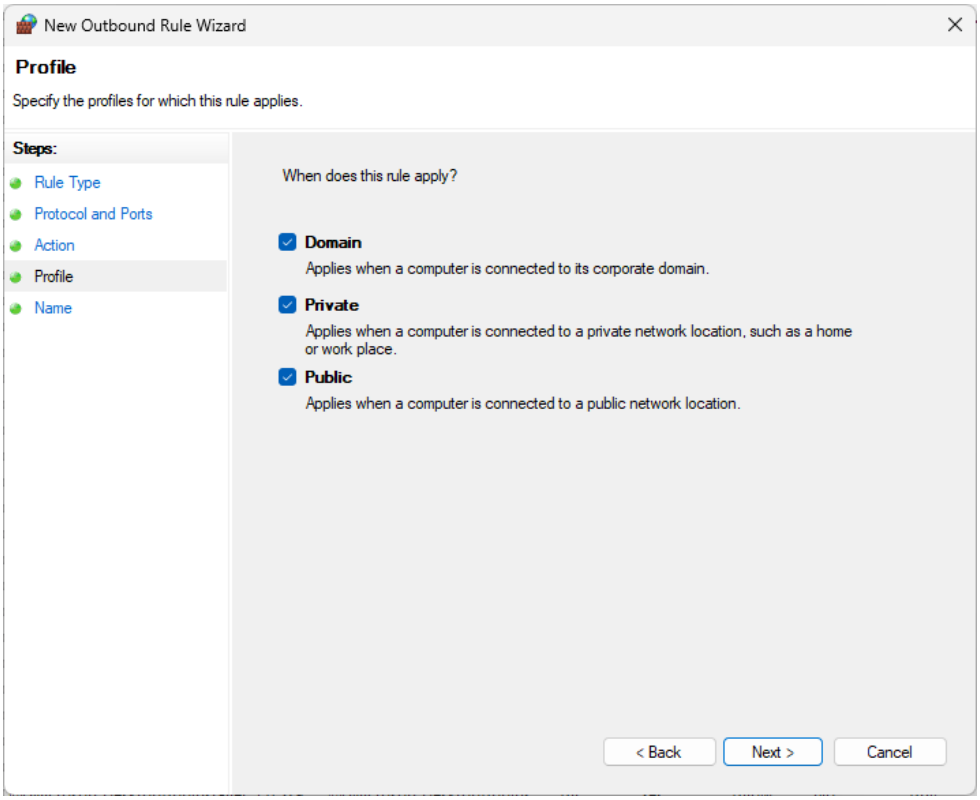
5. **Protocol and Ports:** Leave the first choice as TCP. Choose Specific remote ports for the second and enter “20794” in the text field.



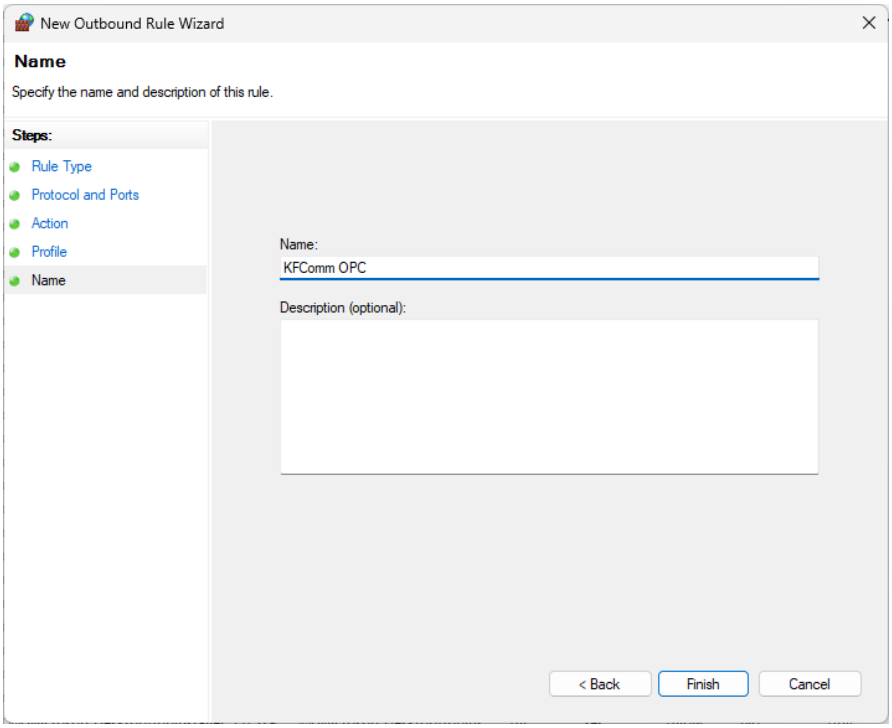
6. **Action:** Choose Allow the connection.



7. **Profile:** At a minimum, check Domain and Private. To reduce troubleshooting, it is recommended to check Public as well.



8. **Name:** This will not affect the software functionality, but enter a descriptive name to identify this rule in case it needs to be modified later.



Client PC

9. On the client PC, open Windows Defender Firewall with Advanced Security. You may need to run as administrator.
10. Click on Inbound Rules in the left sidebar.
11. Repeat steps 3 through 8 above.
12. Get the IP address of the PC running KF Comm 2 software. This can be done by opening the Command Prompt and typing the command “ipconfig” under the IPv4 address.
13. Run the Command Prompt as an administrator on the server.
14. Enter the following command, replacing *PUBLIC_IP* with the IP address of the PC running KF Comm 2 software:

```
netsh interface portproxy add v4tov4 listenaddress=*PUBLIC_IP* listenport=20794
connectaddress=127.0.0.1 connectport=20794
```

15. On the client PC, try to connect using DataFeed or UA Expert. If successful, connect using your OPC UA client.

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