

Allow sql server connection on Windows server (focicom) (1/2/24)

Problem:

The dev team wants to connect to sql server (database) but can't.

Cause:

Presence of a firewall not allowing connection to the database.

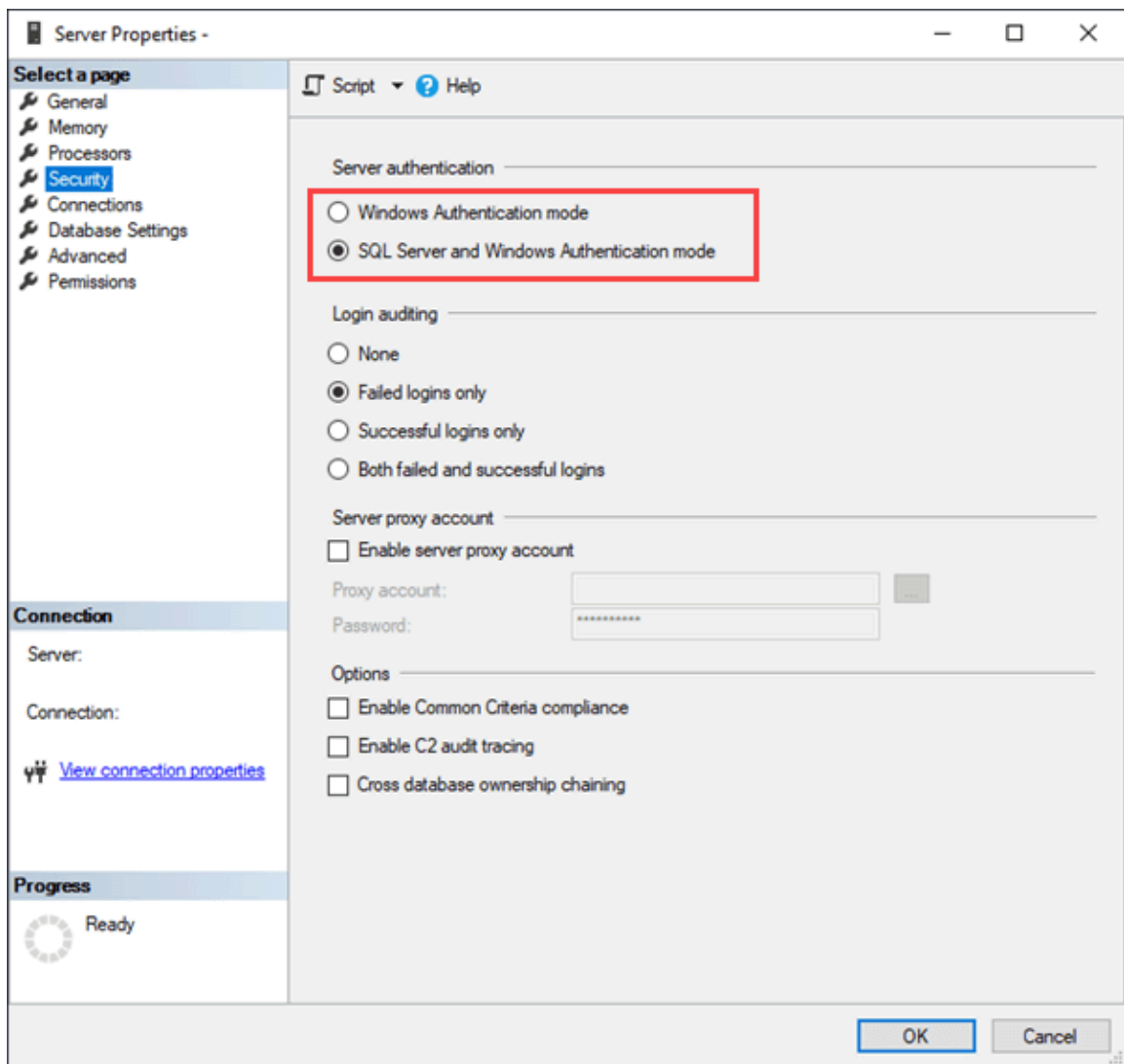
Problem solved:



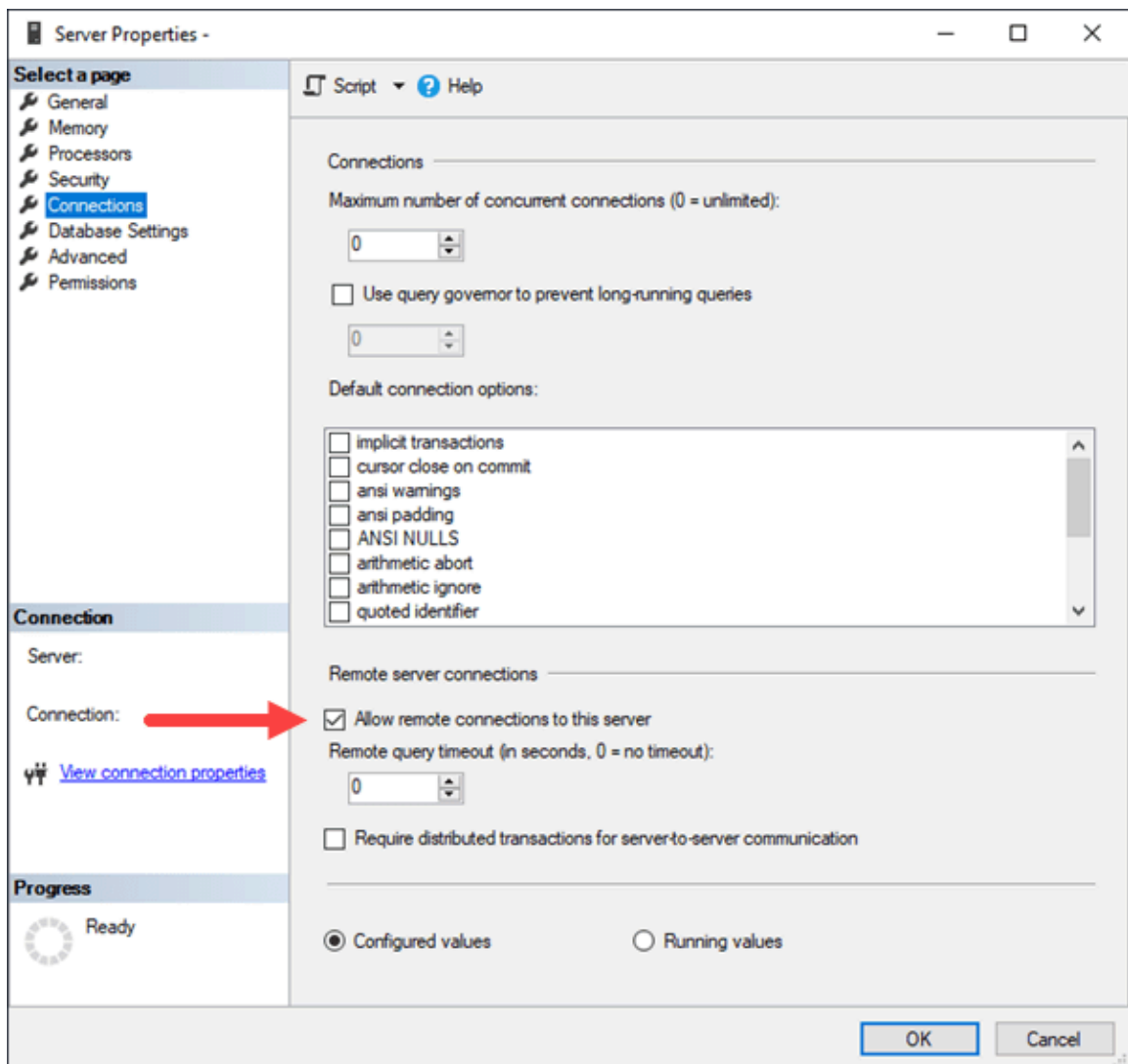
<https://www.apesoftware.com/calibration-control/help/sql-remote-connections>

Steps

- Open **SQL Server Management Studio**
 - right-click on the server name (this is the first line of the list displayed by **SQL Server Management Studio**)



- In the "Connections" tab, check the box "Allow remote connection to this server".



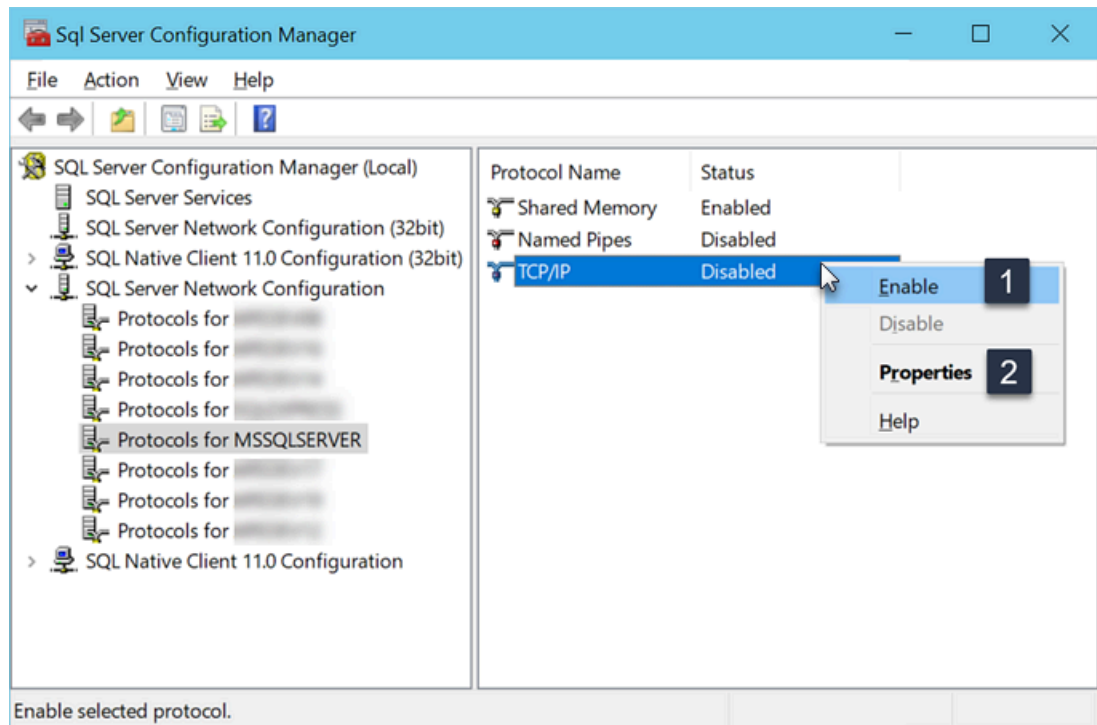
- Open **SQL Server Configuration Manager**
 - select the "SQL server network configuration" option
 - Protocol for [server_name:in our case EBP]:

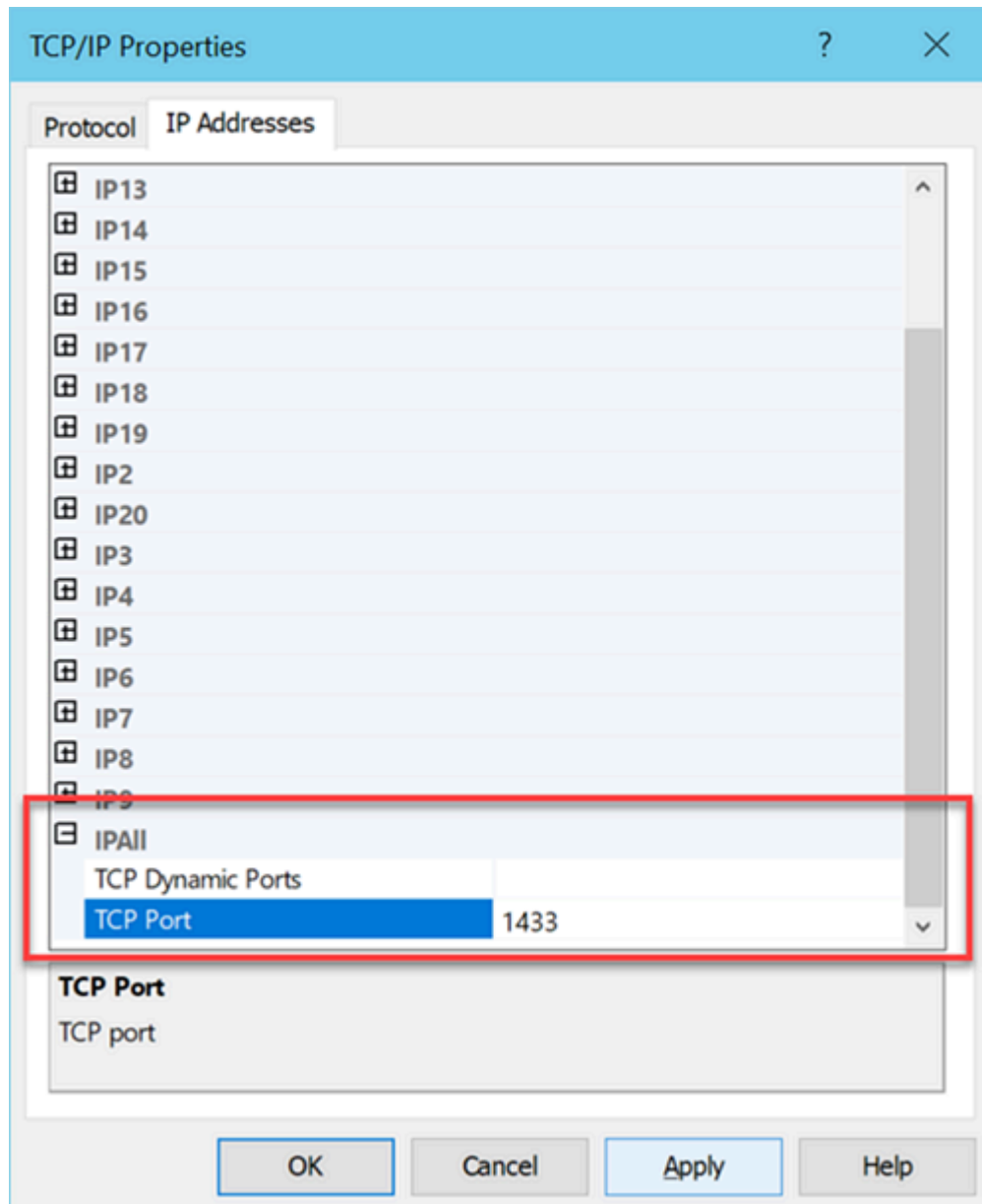
NB: SQL SERVER: software for storing data from databases registered in it

SQL server can have several instances, these instances can have their own rules: as on the picture below, the image has different protocols for each instance (Protocols for ...,)

These instances can be named (depending on the databases registered in them): in our case, it's named EBP (because it's the EBP database), but it can also be named EBP2019 (depending on the EBP version).

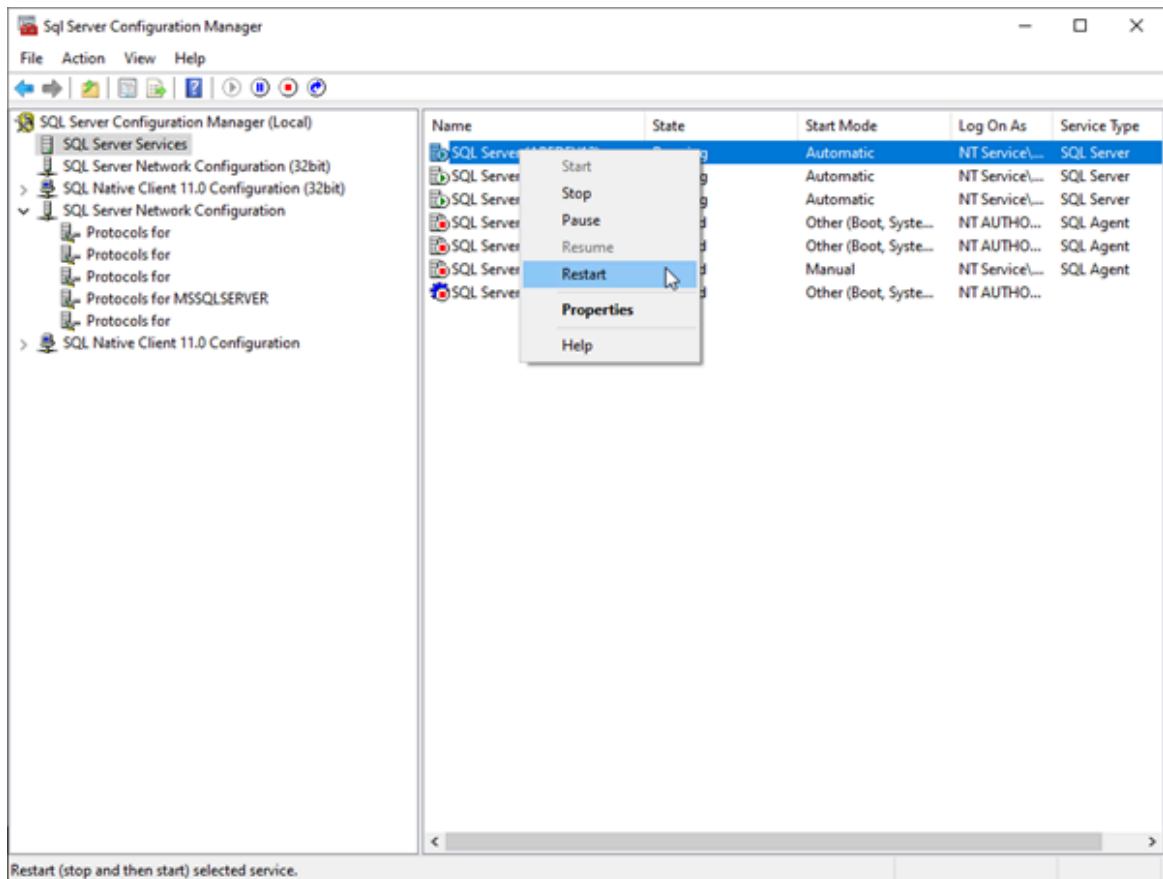
- right-click on TCP/IP, then "enable"
- right-click on TCP/IP, then "property"
 - search for "IPAll"
 - enter port 1433 in the "TCP port field" box



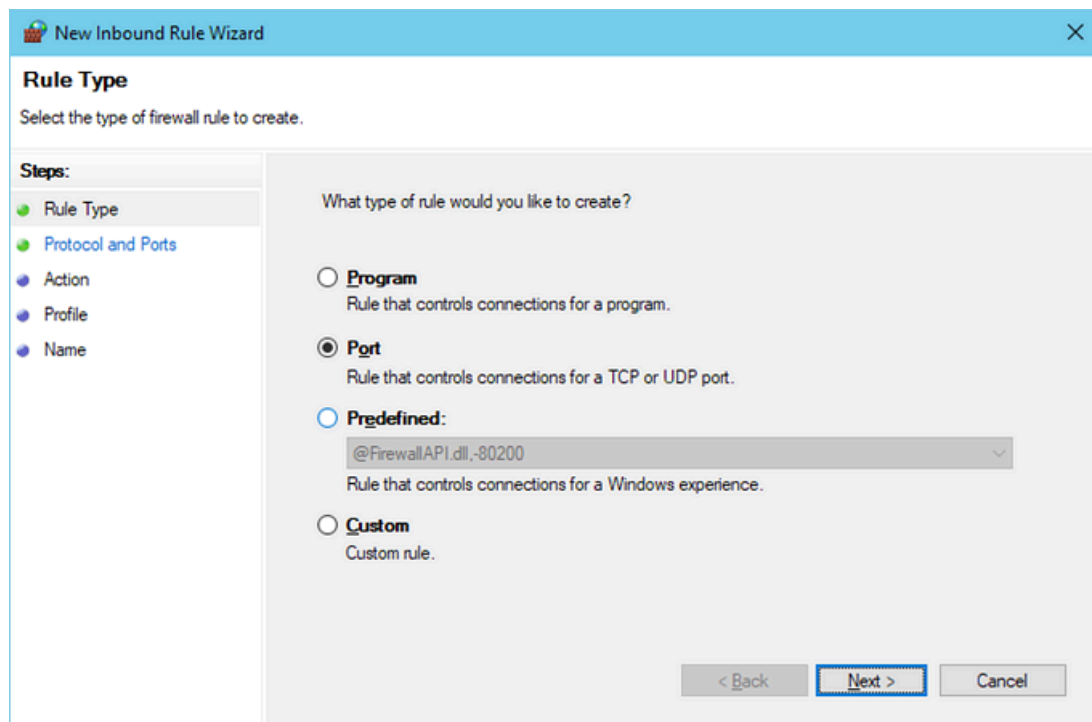
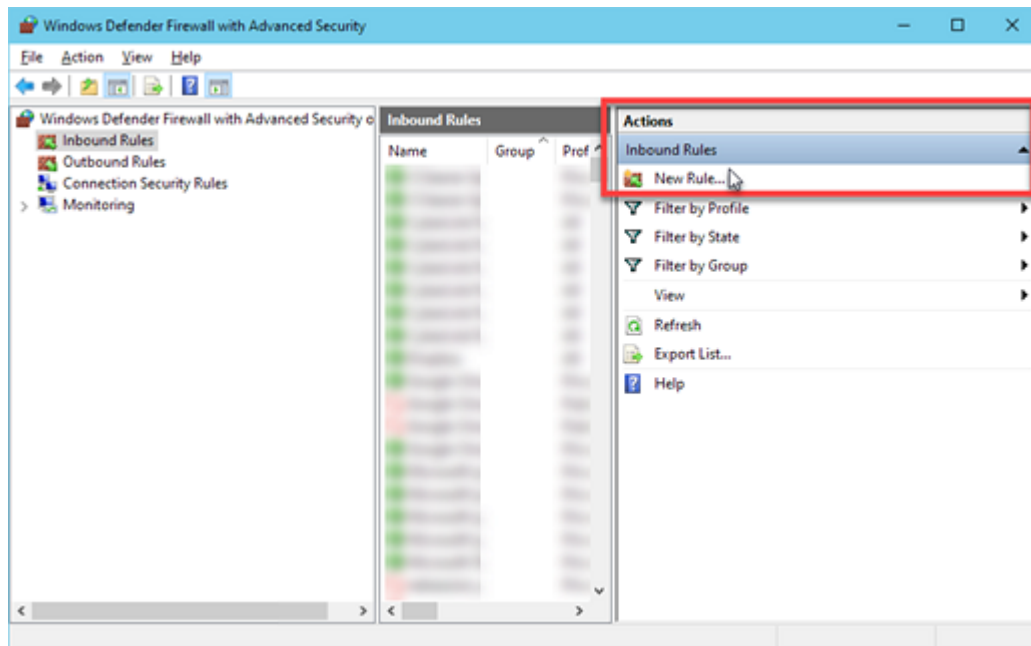


- In SQL Server Services dialog, right-click on the server name, then restart (in our case, "SQL server EBP").

The services to be restarted are those of the instance concerned. For example, in the photo: if the instance is named MSSQLSERVER (Protocols for MSSQLSERVER), the service to be restarted is: SQL server MSSQLSERVER (if the service is not listed in the tab, restart it via the "services" tool).

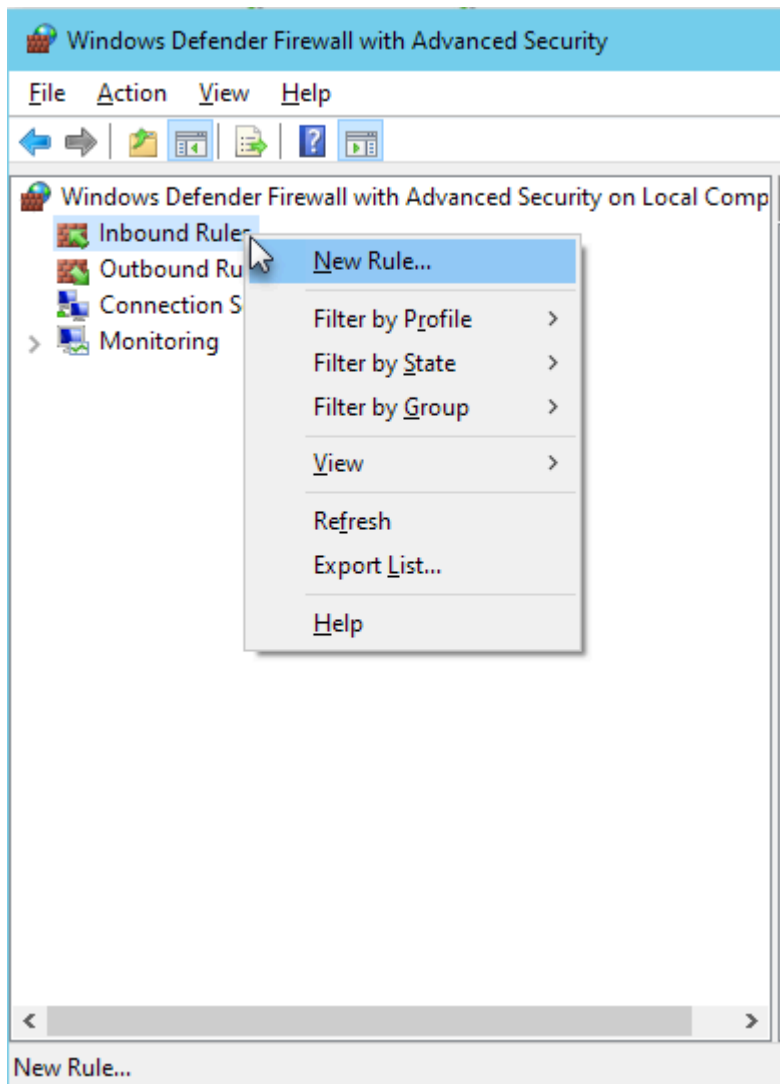


- TCP (sql) is configured on port 1433, now we need to authorize it
 - open windows firewall
 - add a new rule
 - select the port option
 - enter port 1433



The screenshot shows the 'New Inbound Rule Wizard' window with the title bar 'New Inbound Rule Wizard' and a close button. The main title is 'Protocol and Ports' with the instruction 'Specify the protocols and ports to which this rule applies.' On the left, a 'Steps:' pane lists: Rule Type (selected), Protocol and Ports (current), Action, Profile, and Name. The main area contains two questions: 'Does this rule apply to TCP or UDP?' with radio buttons for 'TCP' (selected) and 'UDP'; and 'Does this rule apply to all local ports or specific local ports?' with radio buttons for 'All local ports' and 'Specific local ports:' (selected). Below the second question is a text box containing '1433' and an example text 'Example: 80, 443, 5000-5010'. At the bottom right are buttons for '< Back', 'Next >' (highlighted with a blue border), and 'Cancel'.

- Add SQL Server application to authorize as well
 - click on new rule in windows firewall
 - select custom
 - select the customize button
 - select the "apply to this service" option
 - search for "SQL server EBP (in our case)" service



New Inbound Rule Wizard

Rule Type

Select the type of firewall rule to create.

Steps:

● Rule Type

● Program

● Protocol and Ports

● Scope

● 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:

@FirewallAPI.dll,-80200

Rule that controls connections for a Windows experience.

☒ Custom

Custom rule.

< Back

Next >

Cancel

New Inbound Rule Wizard

Program

Specify the full program path and executable name of the program that this rule matches.

Steps:

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

Does this rule apply to all programs or a specific program?

☒ **All programs**
Rule applies to all connections on the computer that match other rule properties.

☐ **This program path:**

Example: c:\path\program.exe
%ProgramFiles%\browser\browser.exe

Services
Specify which services this rule applies to.

