Network Configuration of SQL Server

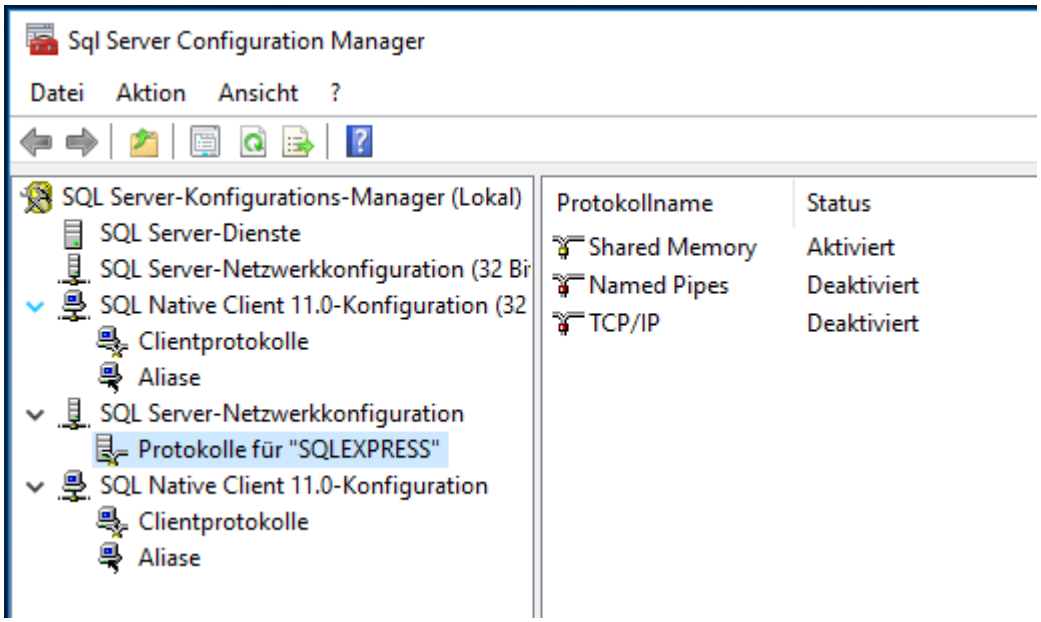
General

This article describes the steps required to prepare the previously installed **SQL Server 2016 Express** for external access via **TCP/IP** over **port 1433**.

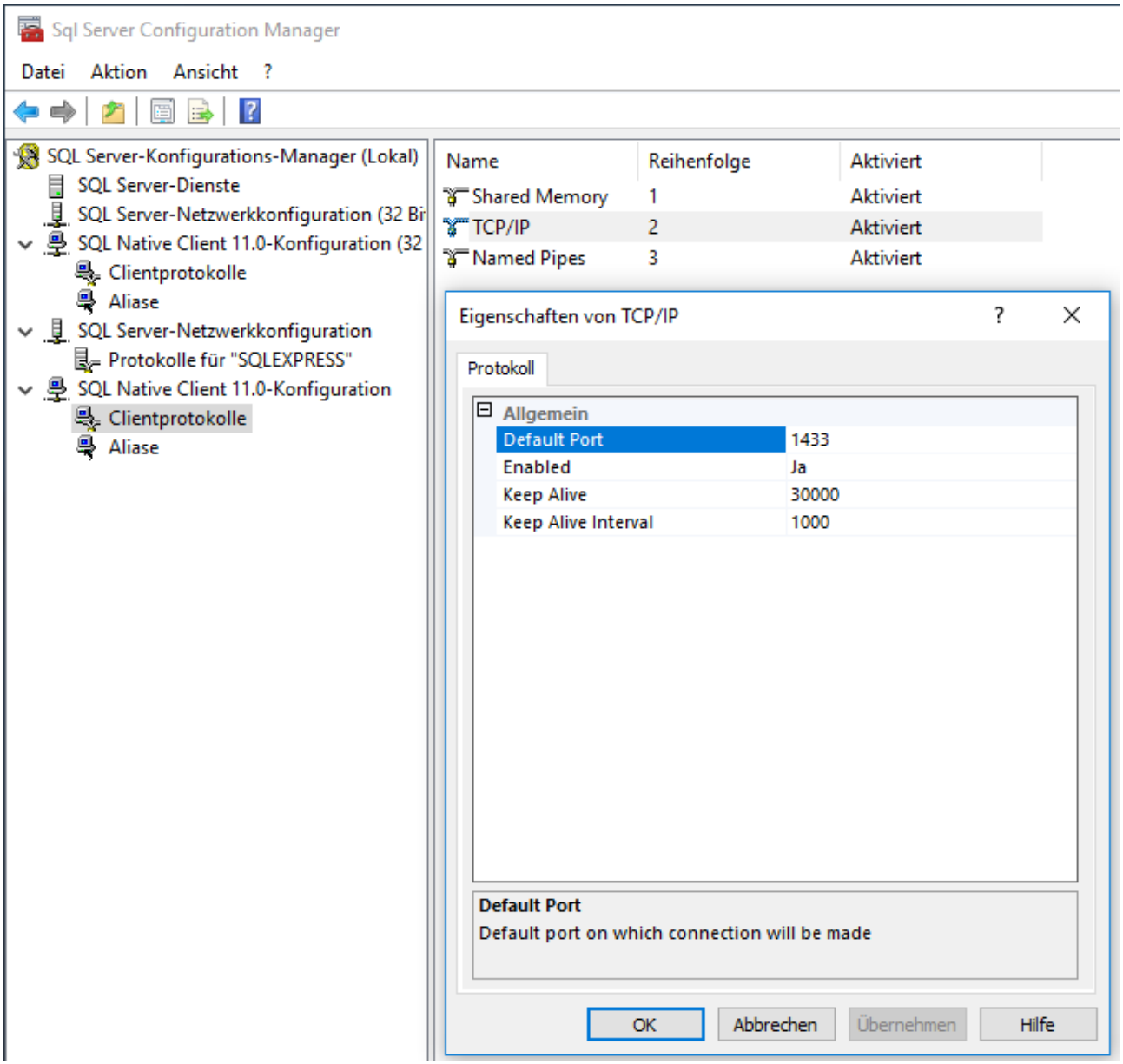
Steps in Detail

Open the **SQL Server Configuration Manager** by launching mmc.exe (press the Windows key, type mmc.exe, and confirm with Enter) and browsing to the path C:\Windows \SysWOW64\SQLServerManager13.msc (File, Open, find the path, select it, and confirm with Open).

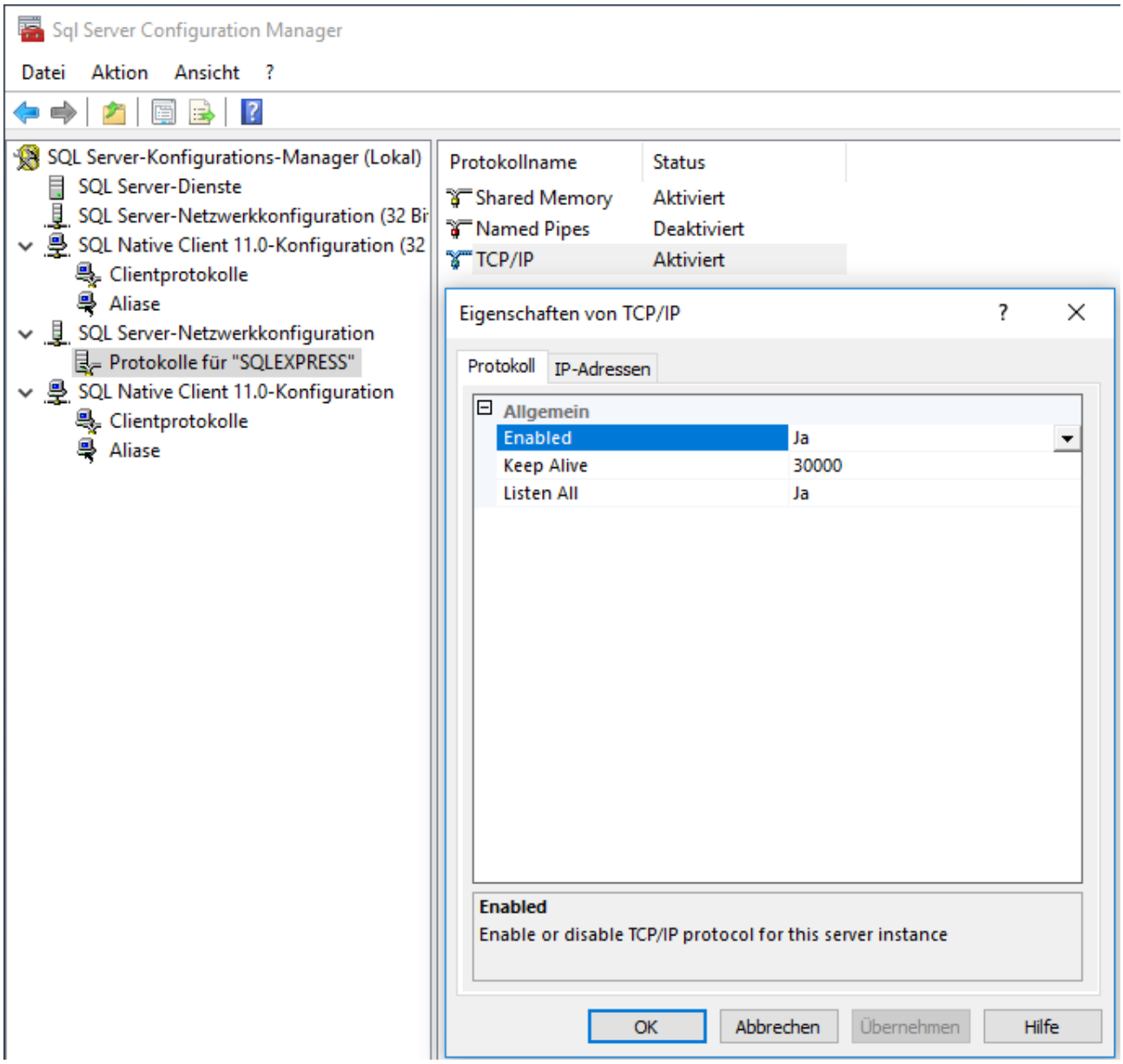
The console view appears:



Under SQL Native Client 11.0 Configuration, in the menu item *Client Protocols*, right-click TCP/IP, open the properties, and check whether port 1433 is entered.

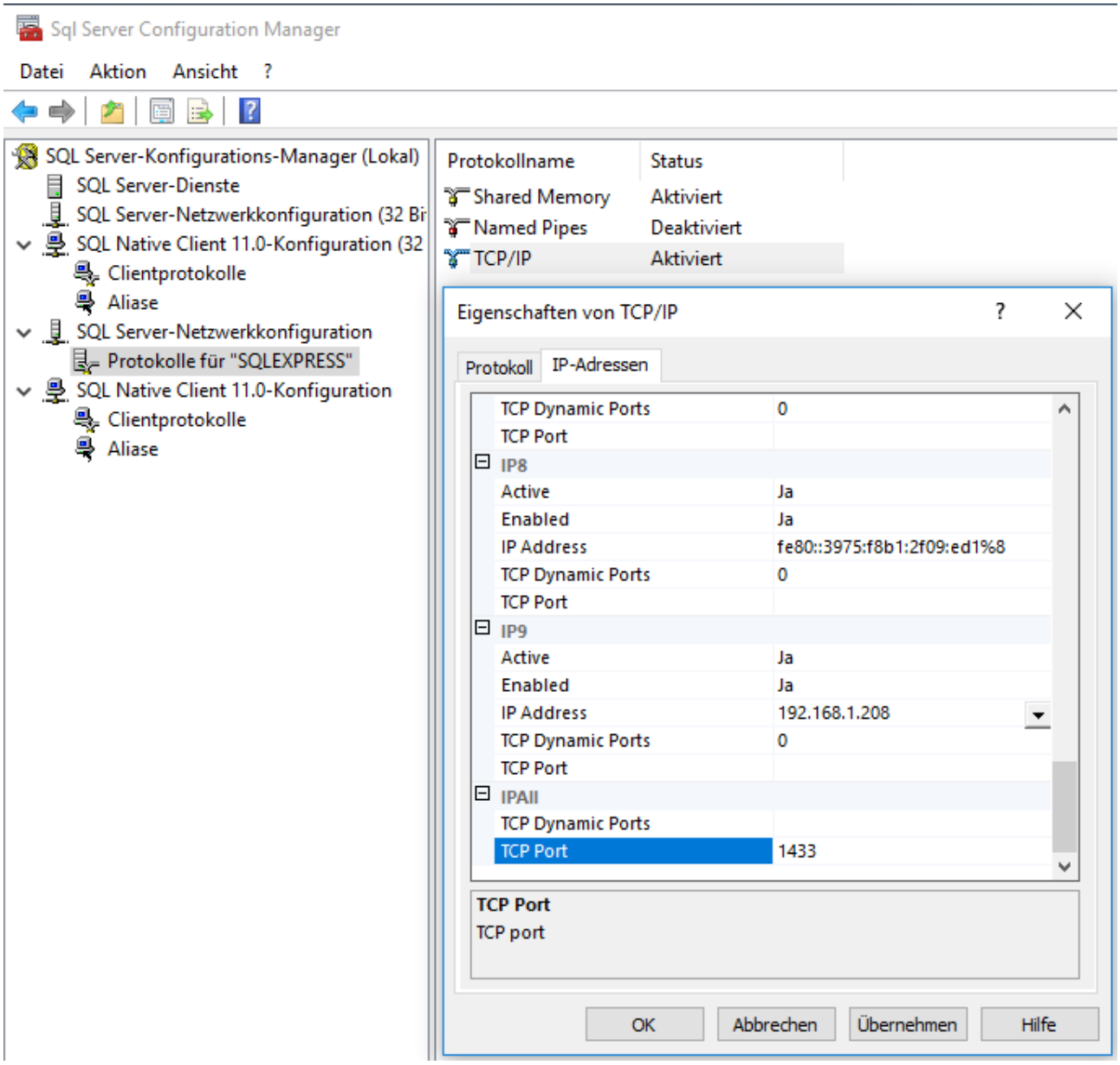


Under SQL Server Network Configuration, in the menu item *Protocols* for "SQLEXPRESS", right-click TCP/IP, open the properties, and on the Protocol tab change Enabled to Yes

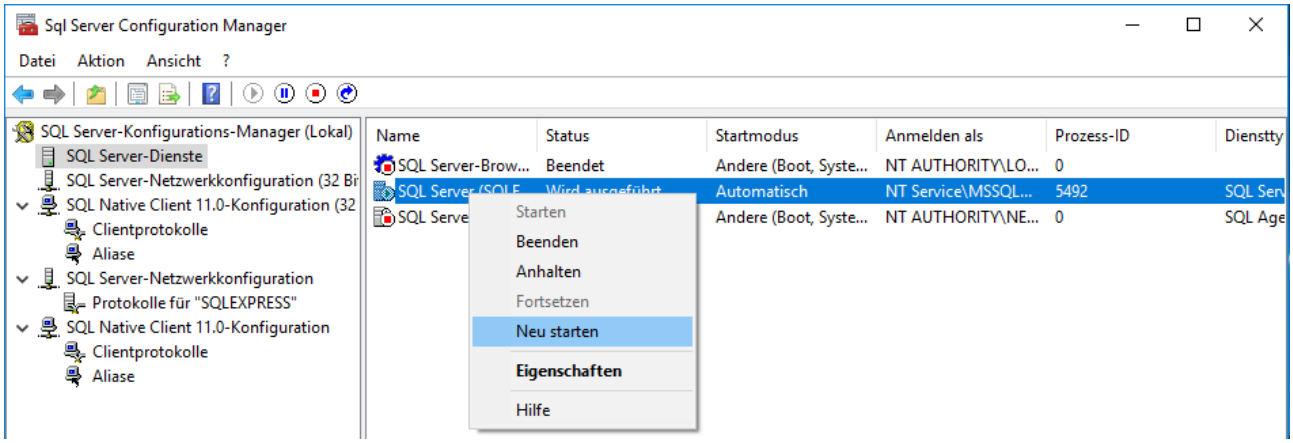


On the IP Addresses tab, at the very bottom under IPAll: delete TCP Dynamic Ports and enter TCP Port 1433

Set Enabled to Yes everywhere - Apply - OK



Under SQL Server Services, restart the server



In the Windows services, open the properties of the SQL Server service and on the Log On tab select "Local System account" - Apply - OK

Restart the server service