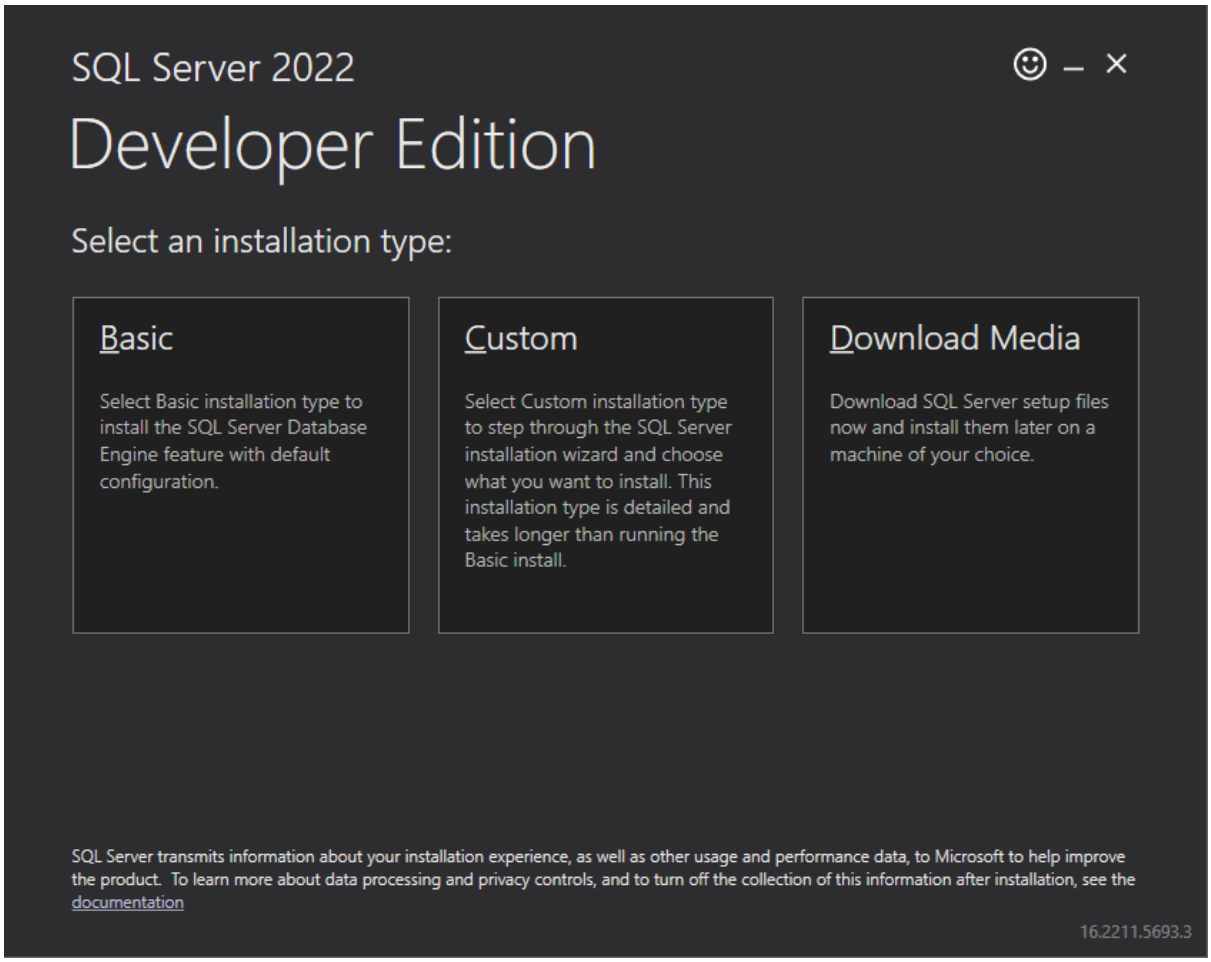
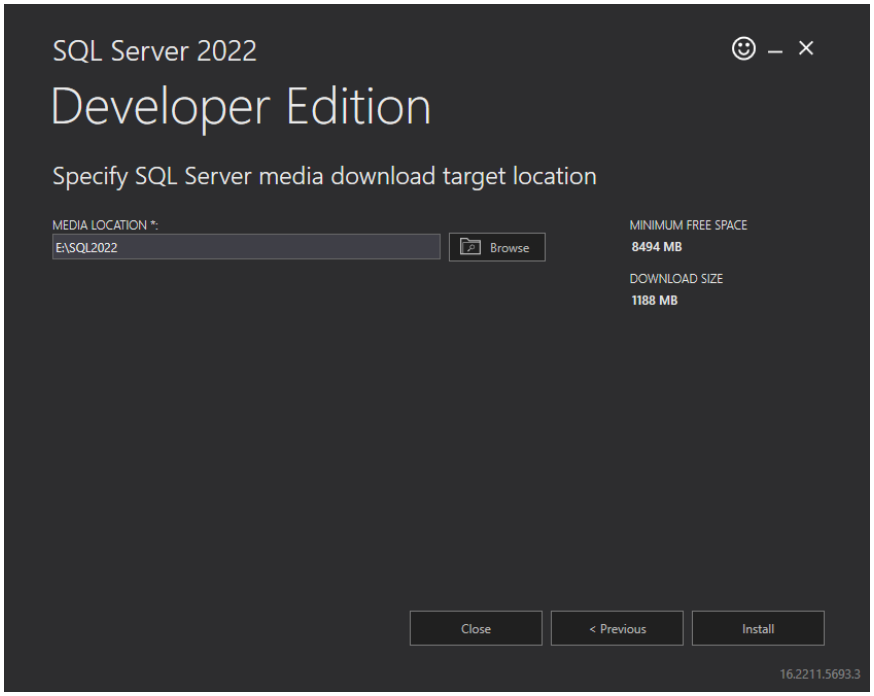
SQL Server 2022 Installation Guide

Step 1:

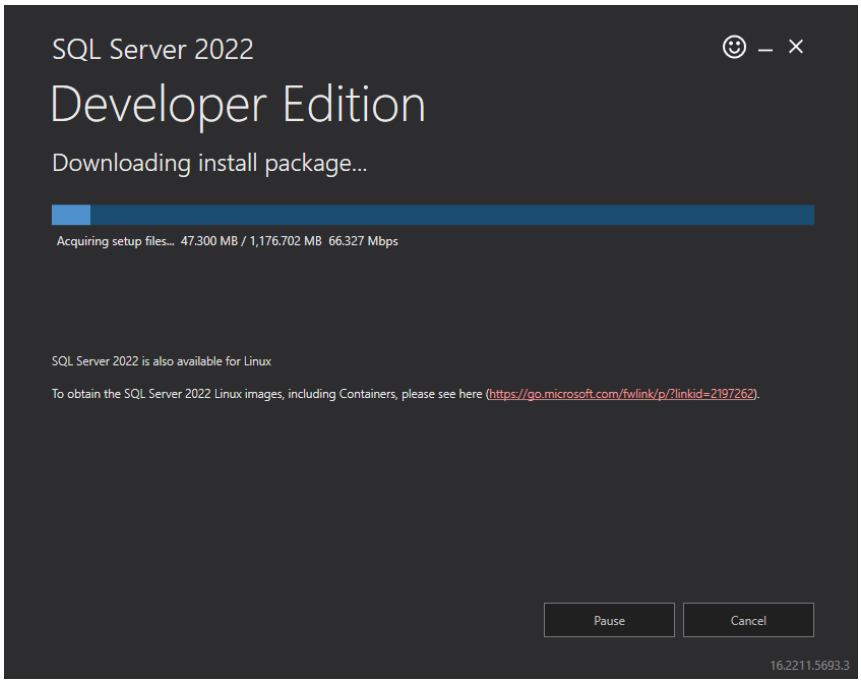


We shall be choosing Custom Installation

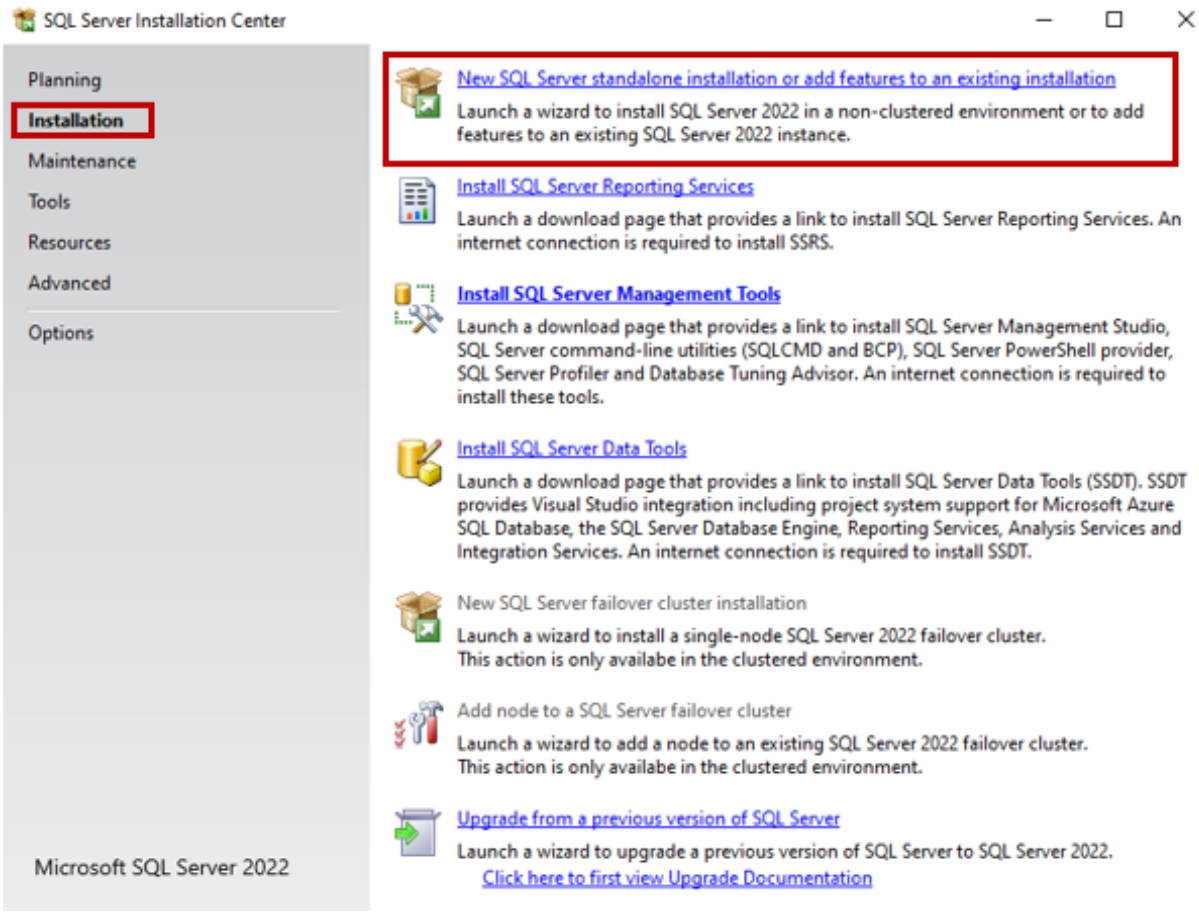
STEP 2:



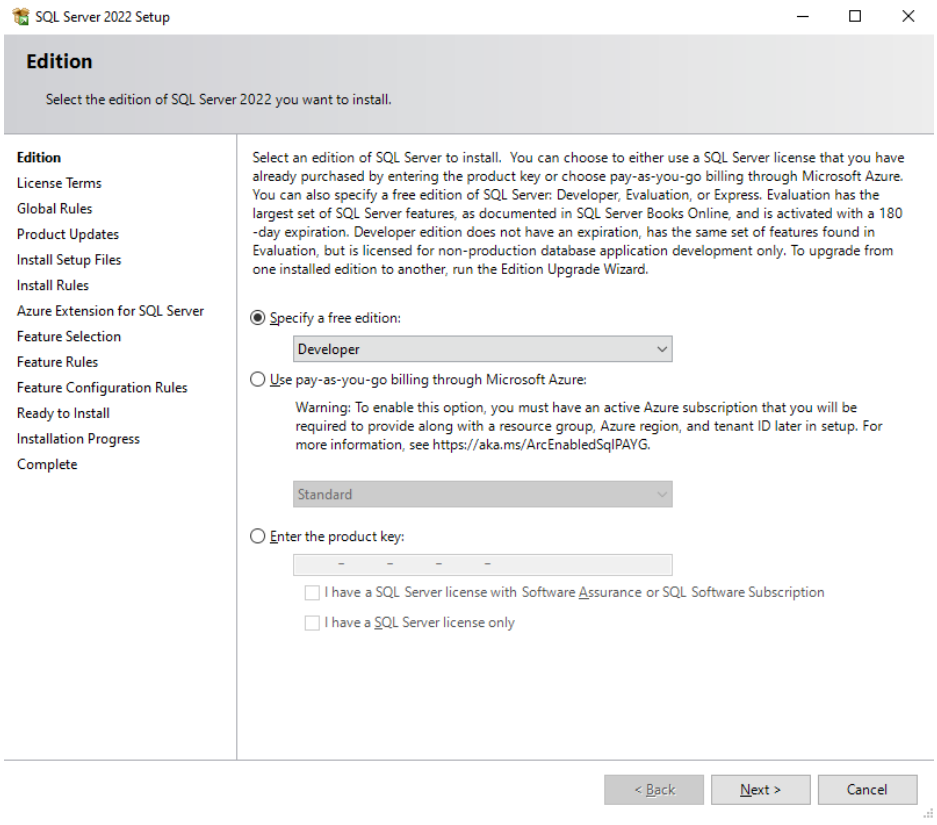
Click Install



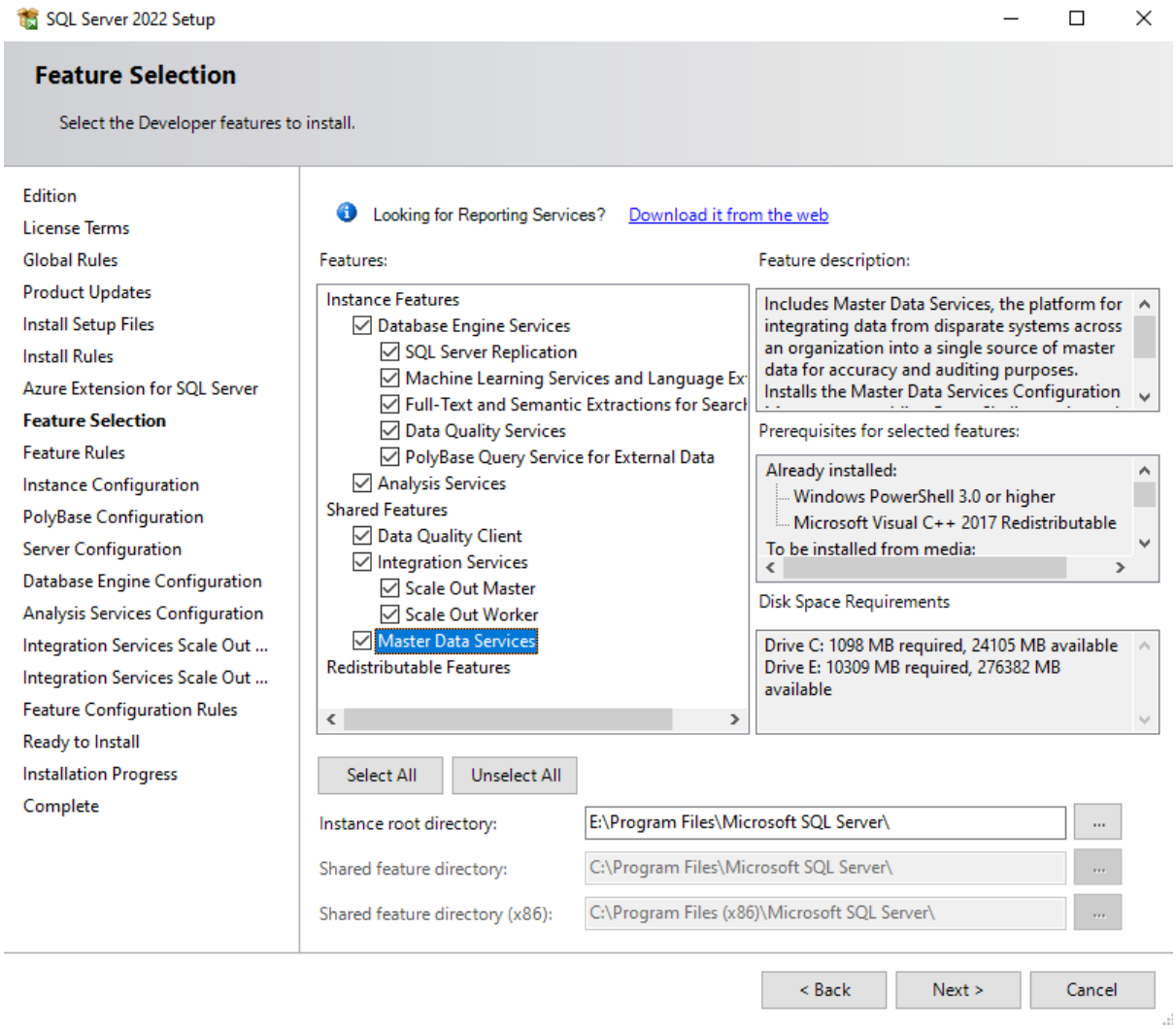
STEP 3


SQL Server Installation Center
Planning
Installation
Maintenance
Tools
Resources
Advanced
Options
Microsoft SQL Server 2022
New SQL Server standalone installation or add features to an existing installation
Launch a wizard to install SQL Server 2022 in a non-clustered environment or to add features to an existing SQL Server 2022 instance.
Install SQL Server Reporting Services
Launch a download page that provides a link to install SQL Server Reporting Services. An internet connection is required to install SSRS.
Install SQL Server Management Tools
Launch a download page that provides a link to install SQL Server Management Studio, SQL Server command-line utilities (SQLCMD and BCP), SQL Server PowerShell provider, SQL Server Profiler and Database Tuning Advisor. An internet connection is required to install these tools.
Install SQL Server Data Tools
Launch a download page that provides a link to install SQL Server Data Tools (SSDT). SSDT provides Visual Studio integration including project system support for Microsoft Azure SQL Database, the SQL Server Database Engine, Reporting Services, Analysis Services and Integration Services. An internet connection is required to install SSDT.
New SQL Server failover cluster installation
Launch a wizard to install a single-node SQL Server 2022 failover cluster.
This action is only availabe in the clustered environment.
Add node to a SQL Server failover cluster
Launch a wizard to add a node to an existing SQL Server 2022 failover cluster.
This action is only availabe in the clustered environment.
Upgrade from a previous version of SQL Server
Launch a wizard to upgrade a previous version of SQL Server to SQL Server 2022.
Click here to first view Upgrade Documentation

STEP 4

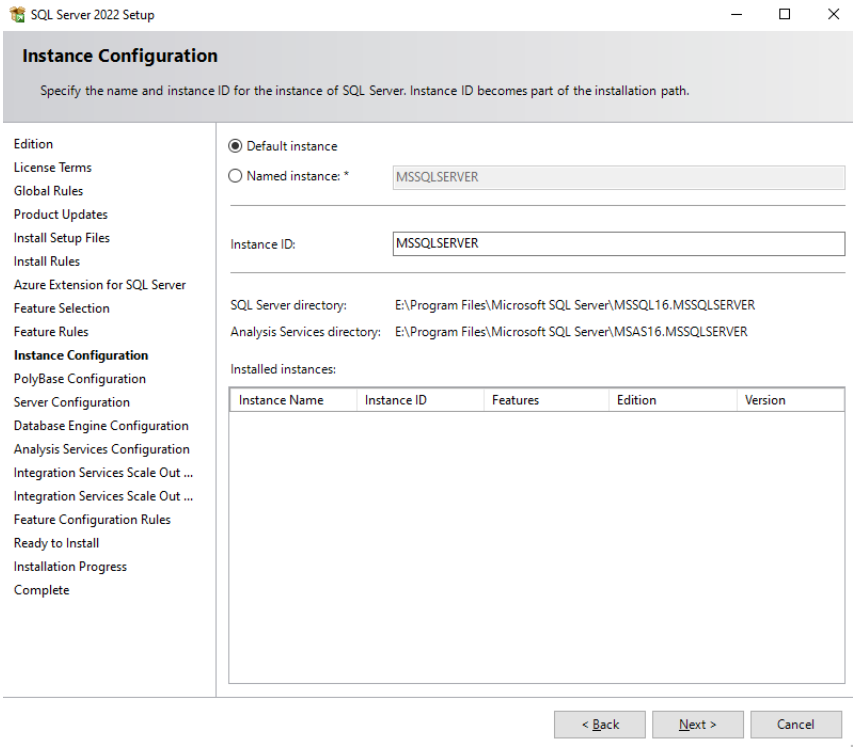

SQL Server 2022 Setup
Edition
Select the edition of SQL Server 2022 you want to install.
Edition
License Terms
Global Rules
Product Updates
Install Setup Files
Install Rules
Azure Extension for SQL Server
Feature Selection
Feature Rules
Feature Configuration Rules
Ready to Install
Installation Progress
Complete
Select an edition of SQL Server to install. You can choose to either use a SQL Server license that you have already purchased by entering the product key or choose pay-as-you-go billing through Microsoft Azure. You can also specify a free edition of SQL Server: Developer, Evaluation, or Express. Evaluation has the largest set of SQL Server features, as documented in SQL Server Books Online, and is activated with a 180 -day expiration. Developer edition does not have an expiration, has the same set of features found in Evaluation, but is licensed for non-production database application development only. To upgrade from one installed edition to another, run the Edition Upgrade Wizard.
Specify a free edition:
Developer
Use pay-as-you-go billing through Microsoft Azure:
Warning: To enable this option, you must have an active Azure subscription that you will be required to provide along with a resource group, Azure region, and tenant ID later in setup. For more information, see https://aka.ms/ArcEnabledSqlPAYG.
Standard
Enter the product key:
I have a SQL Server license with Software Assurance or SQL Software Subscription
I have a SQL Server license only
< Back
Next >
Cancel

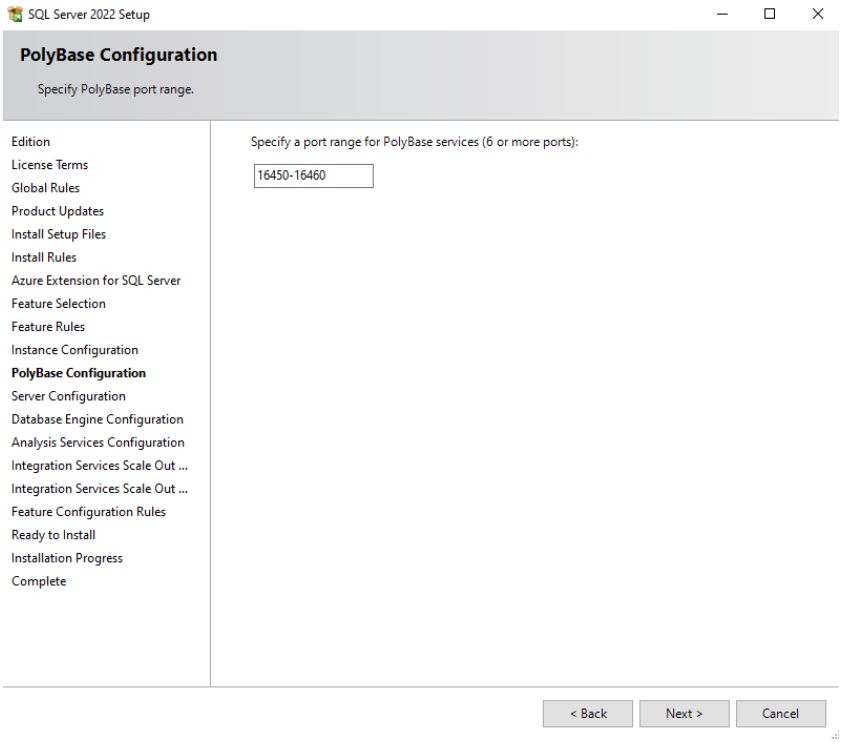
STEP 5



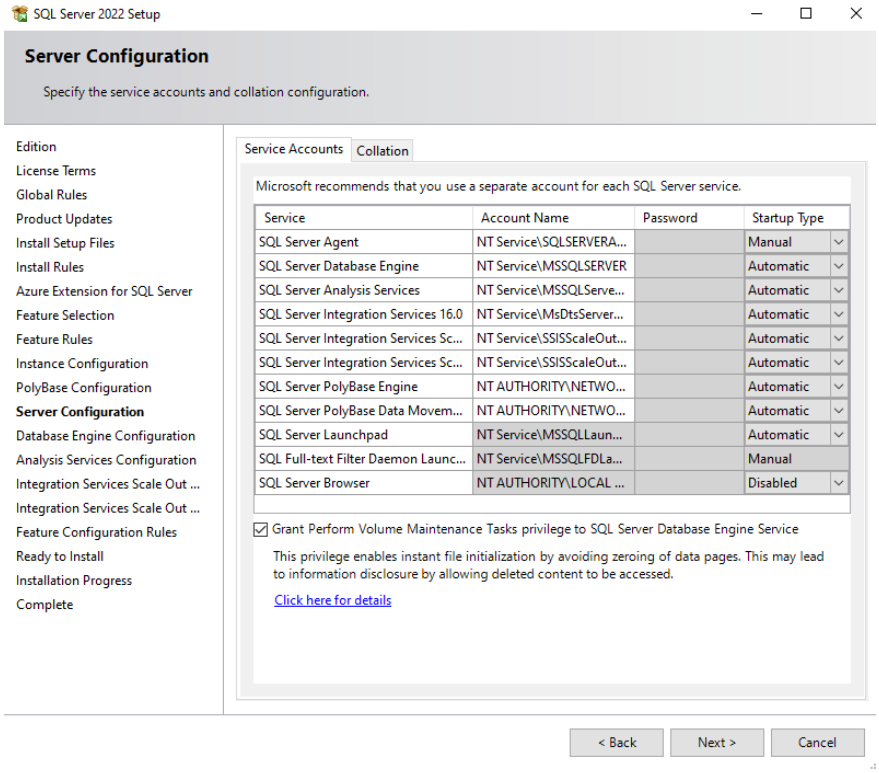
STEP 6: Creating a new SQL Server Instance

For the first time, always choose Default Instance. Thereafter you can create named Instances

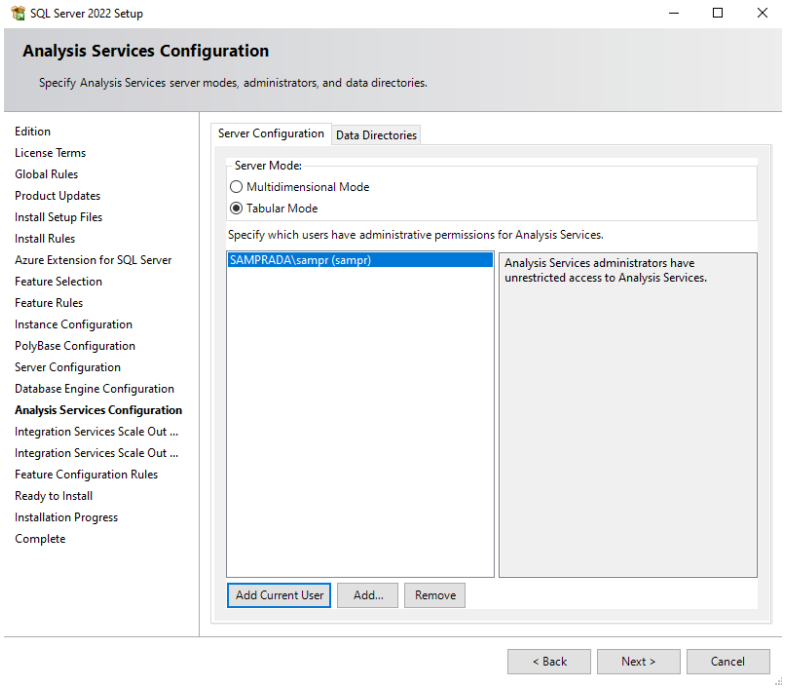

SQL Server 2022 Setup
Instance Configuration
Specify the name and instance ID for the instance of SQL Server. Instance ID becomes part of the installation path.
Edition
License Terms
Global Rules
Product Updates
Install Setup Files
Install Rules
Azure Extension for SQL Server
Feature Selection
Feature Rules
Instance Configuration
PolyBase Configuration
Server Configuration
Database Engine Configuration
Analysis Services Configuration
Integration Services Scale Out ...
Integration Services Scale Out ...
Feature Configuration Rules
Ready to Install
Installation Progress
Complete
Default instance
Named instance: *
MSSQLSERVER
Instance ID:
MSSQLSERVER
SQL Server directory:
E:\Program Files\Microsoft SQL Server\MSSQL16.MSSQLSERVER
Analysis Services directory:
E:\Program Files\Microsoft SQL Server\MSAS16.MSSQLSERVER
Installed instances:
Instance Name
Instance ID
Features
Edition
Version
< Back
Next >
Cancel


SQL Server 2022 Setup
PolyBase Configuration
Specify PolyBase port range.
Edition
License Terms
Global Rules
Product Updates
Install Setup Files
Install Rules
Azure Extension for SQL Server
Feature Selection
Feature Rules
Instance Configuration
PolyBase Configuration
Server Configuration
Database Engine Configuration
Analysis Services Configuration
Integration Services Scale Out ...
Integration Services Scale Out ...
Feature Configuration Rules
Ready to Install
Installation Progress
Complete
Specify a port range for PolyBase services (6 or more ports):
16450-16460
< Back
Next >
Cancel

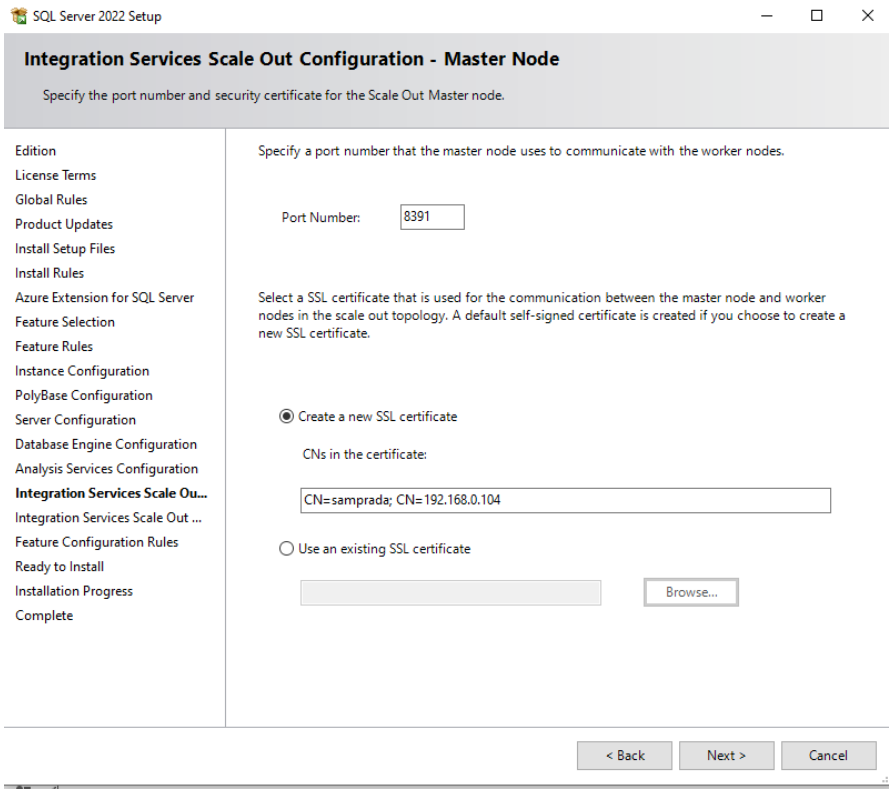
Step 7: Ensure the checkbox is checked

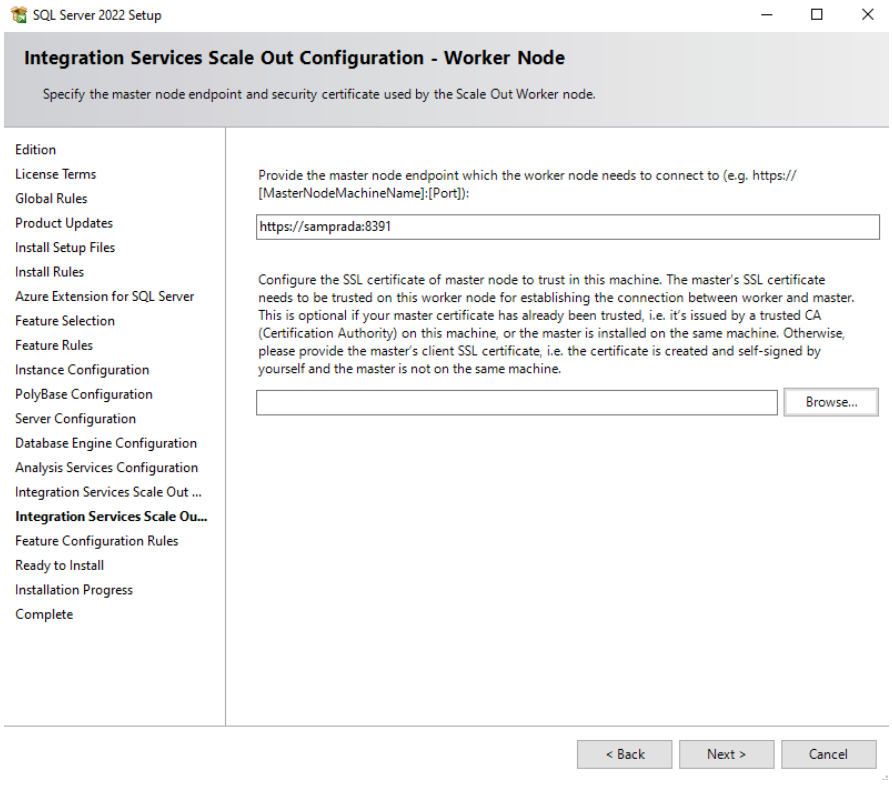


STEP 8

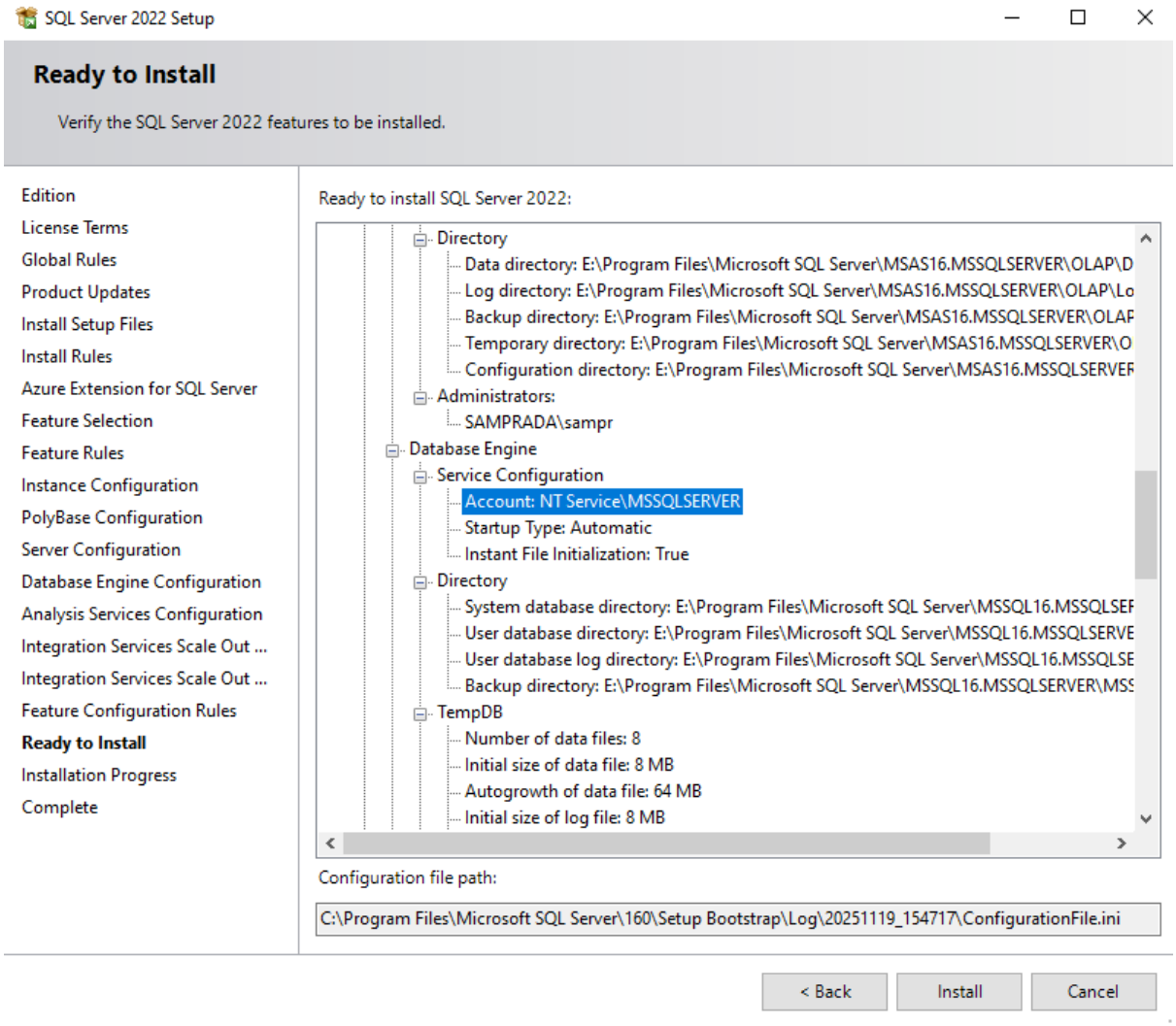


STEP 9: Create an SSL certificate

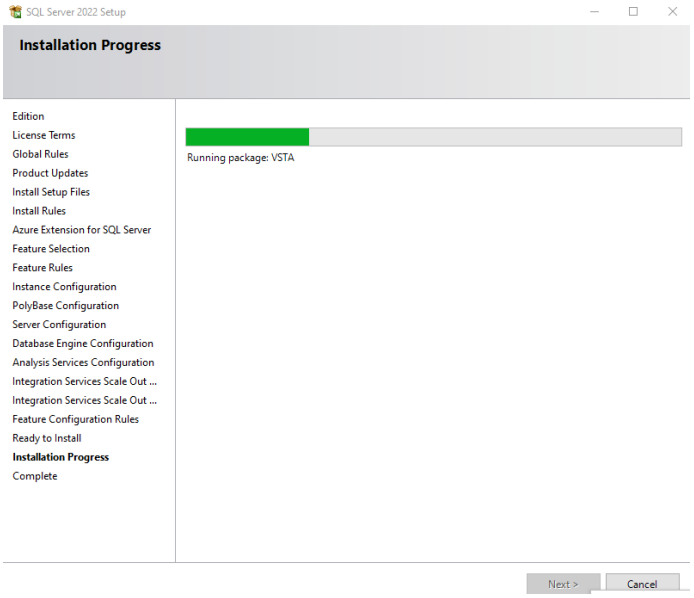


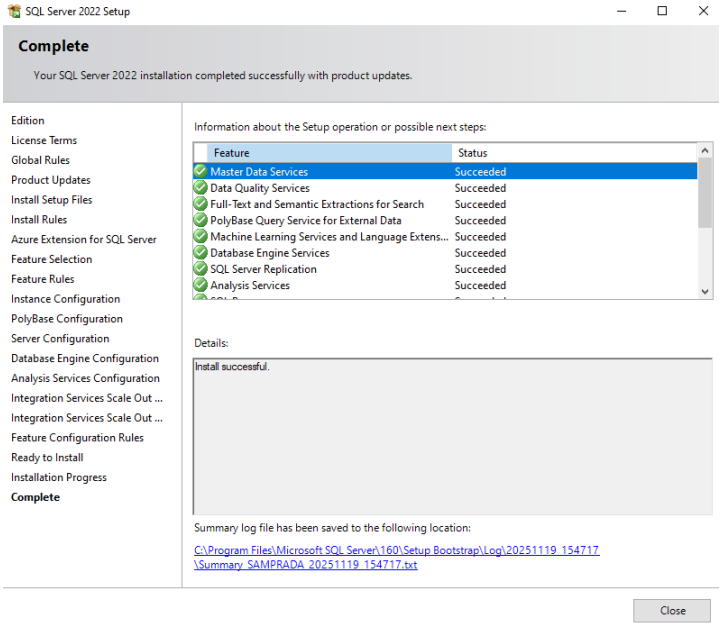


STEP 10: Summary of what will be installed. Make a note of the configuration.ini file location for future use.

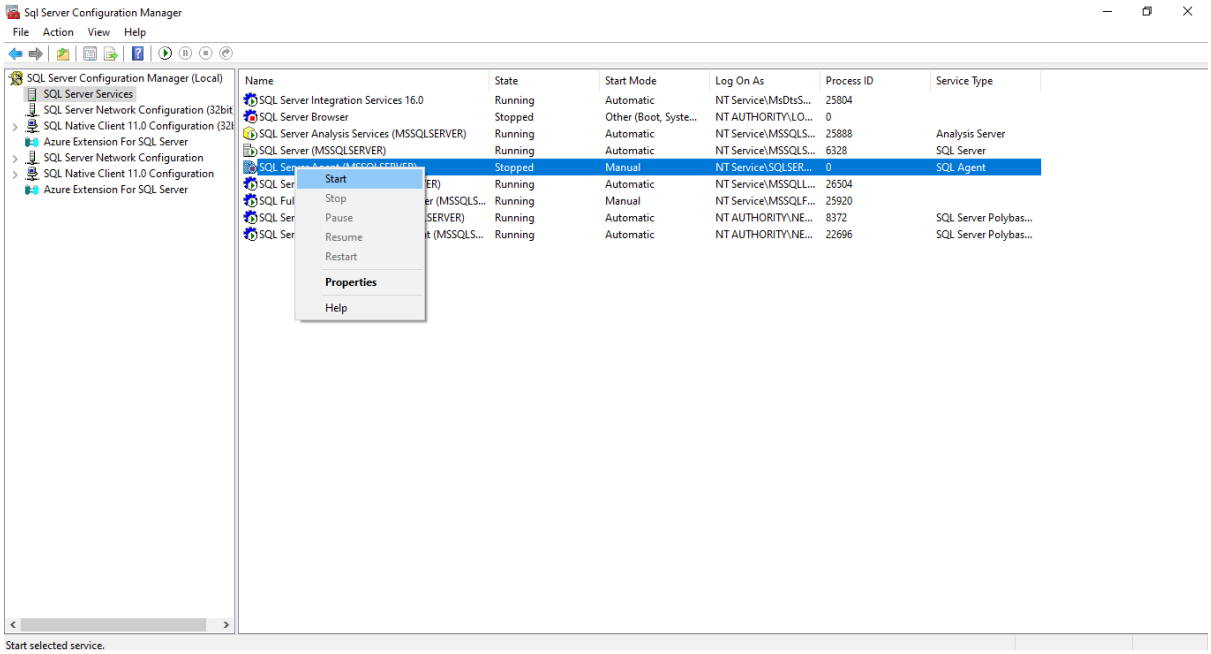


STEP 11: Installation in progress to completion. This will take some time.

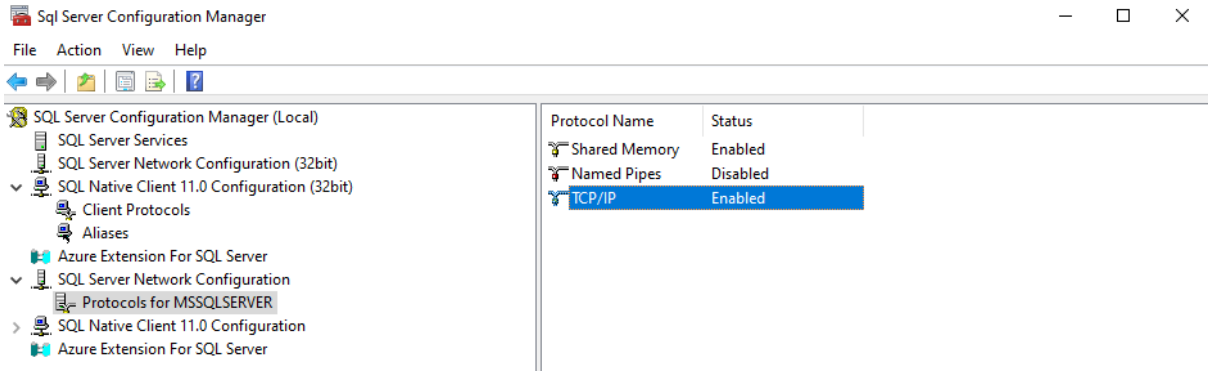




STEP 12: Verify Installation. Open Sql Server Manager from Start Menu. In it, choose SQL Services. Start the SQL Server Agent.



STEP 13: Enable TCP/IP Protocols



STEP 14:

Additional Step of Verification:

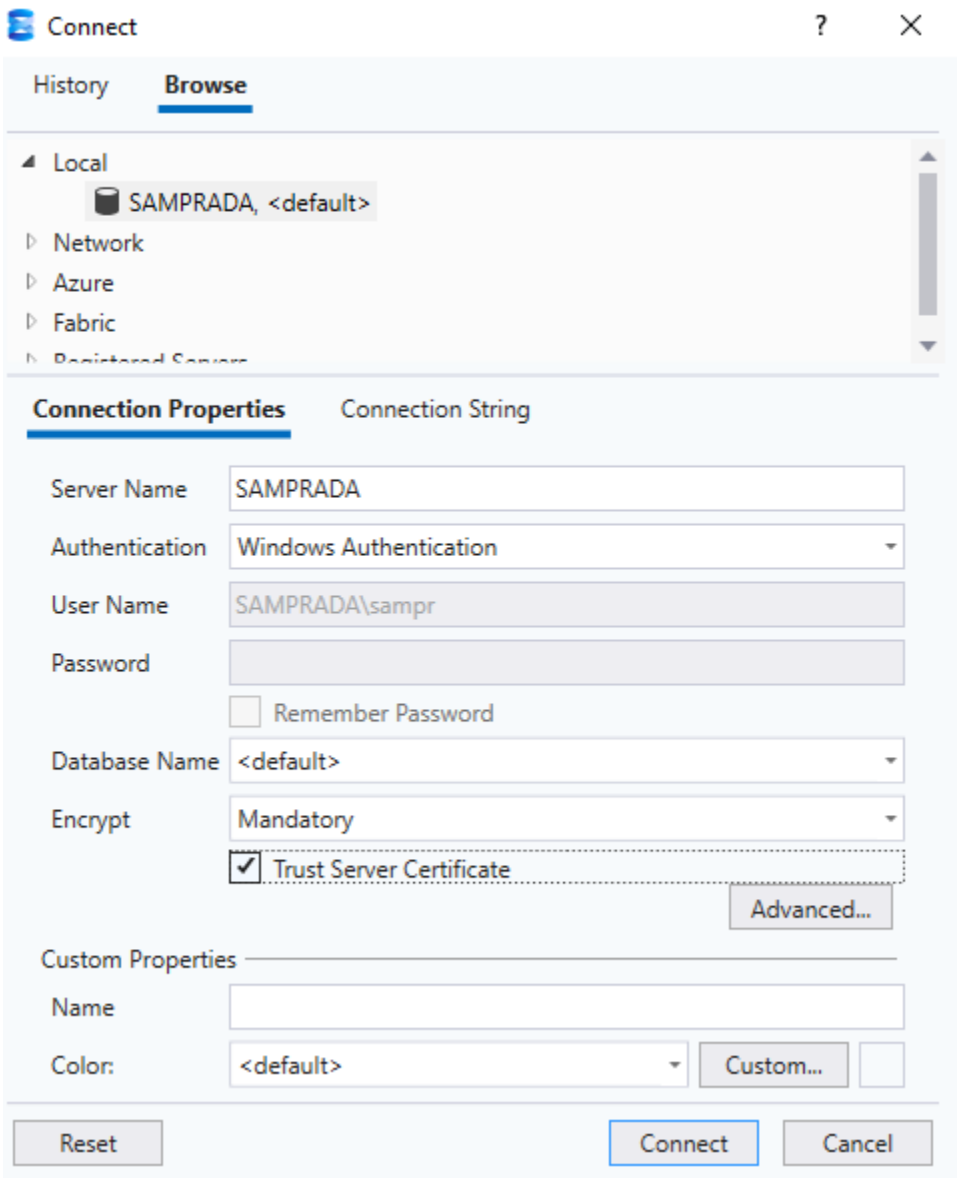
Using Command Prompt,Run the command:

- sqlcmd -S localhost -Q "SELECT @@VERSION"

If you get a response with SQL Server version details, the instance is running.

STEP 15: Install SSMS for additional Verification

- Run Sql Server Management Studio setup wizard.
- Once Installed, launch SSMS 2022 from Start Menu
- The Default Instance is accessed by the machine name. Hence to access the default instance, add the machine name as server name



- Click Connect. The Server should be connected, and visible in the Object Explorer.

This completes the installation and verification of a SQL Instance for SQL Server 2022