

LAB - Install SQL Server

In this lab, you will step by step learn how to install the SQL Server 2017 Developer Edition and SQL Server Management Studio (SSMS).

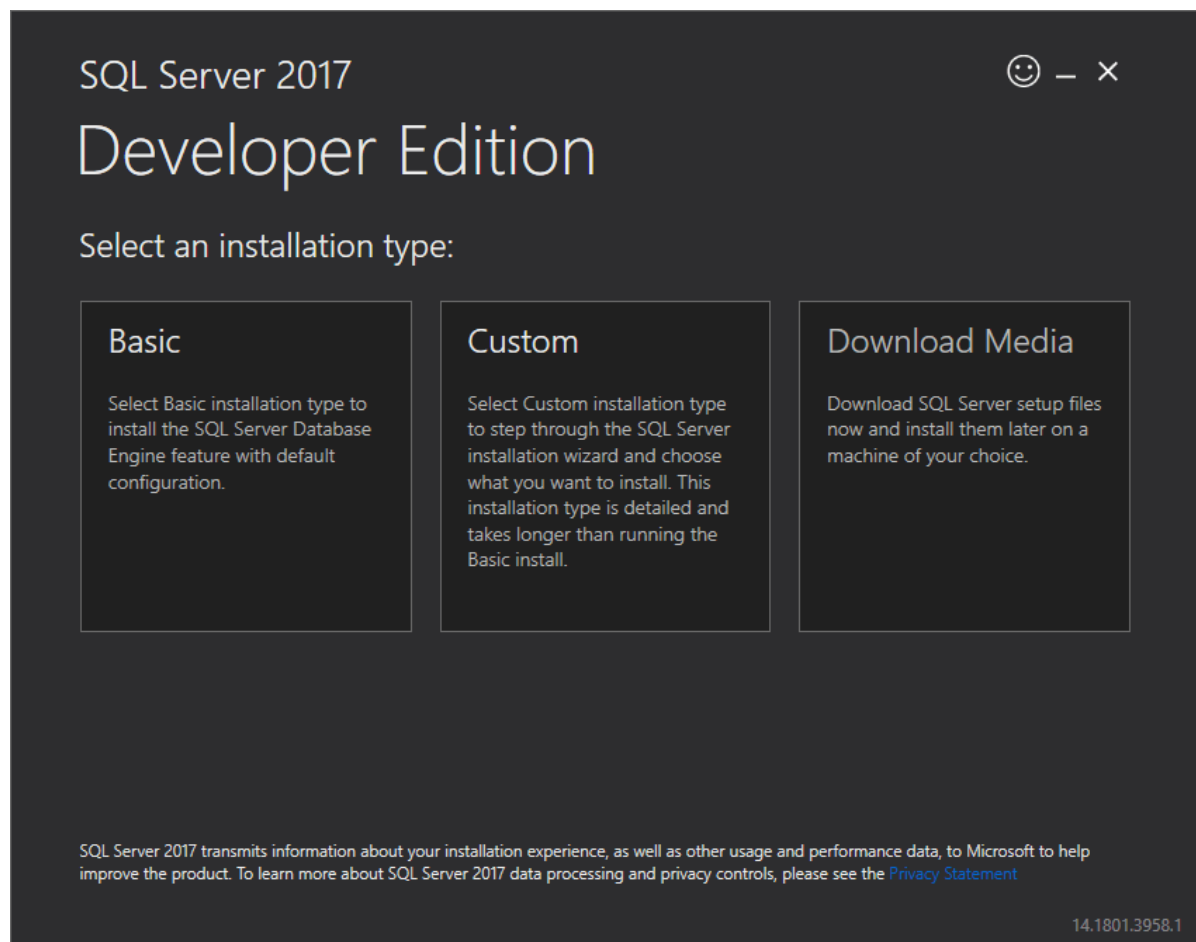
Install SQL Server 2017 Developer Edition

To install SQL Server, you need to download it from the Microsoft.com website via the following link:

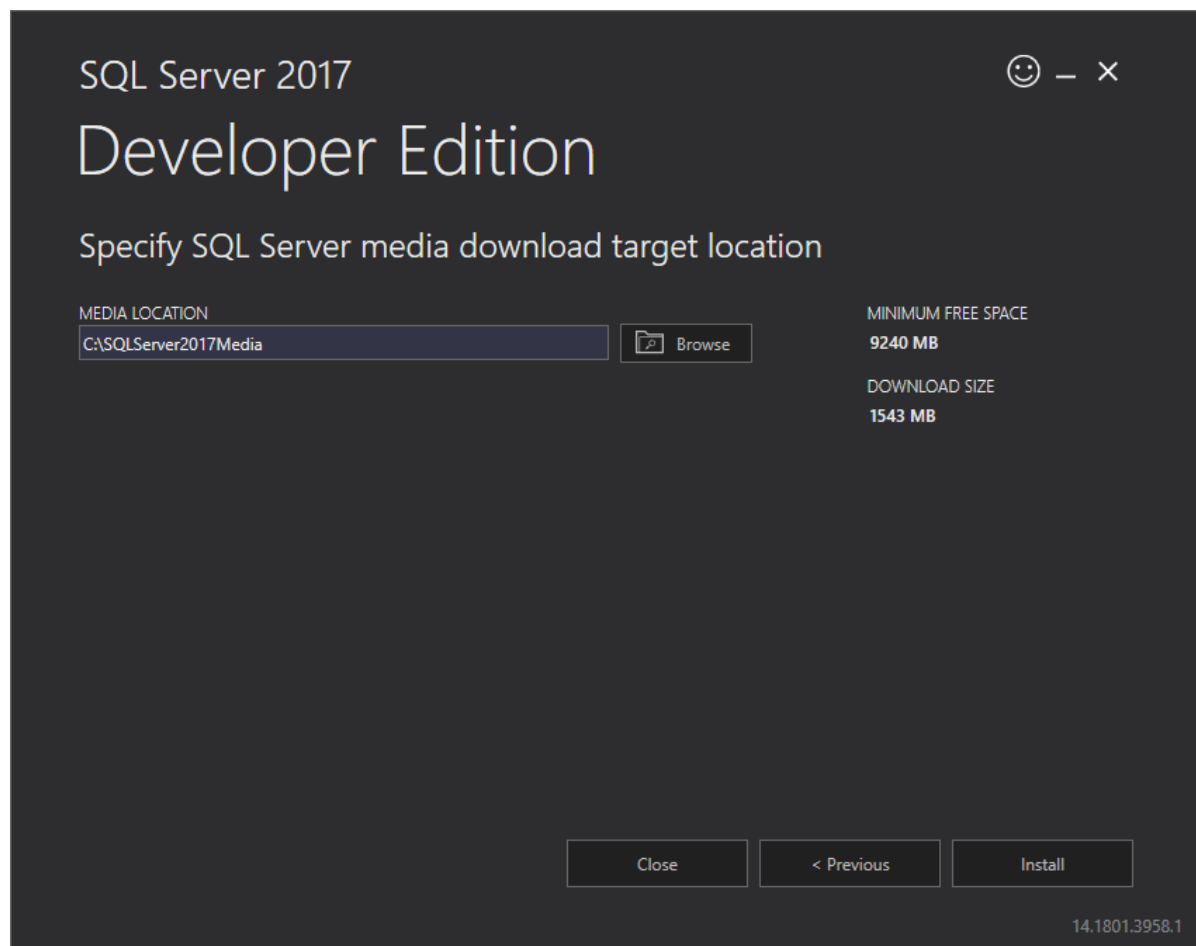
[Download the SQL Server](#)

Once the download completes, you double-click the file **SQLServer2017-SSEI-Dev.exe** to launch the installer.

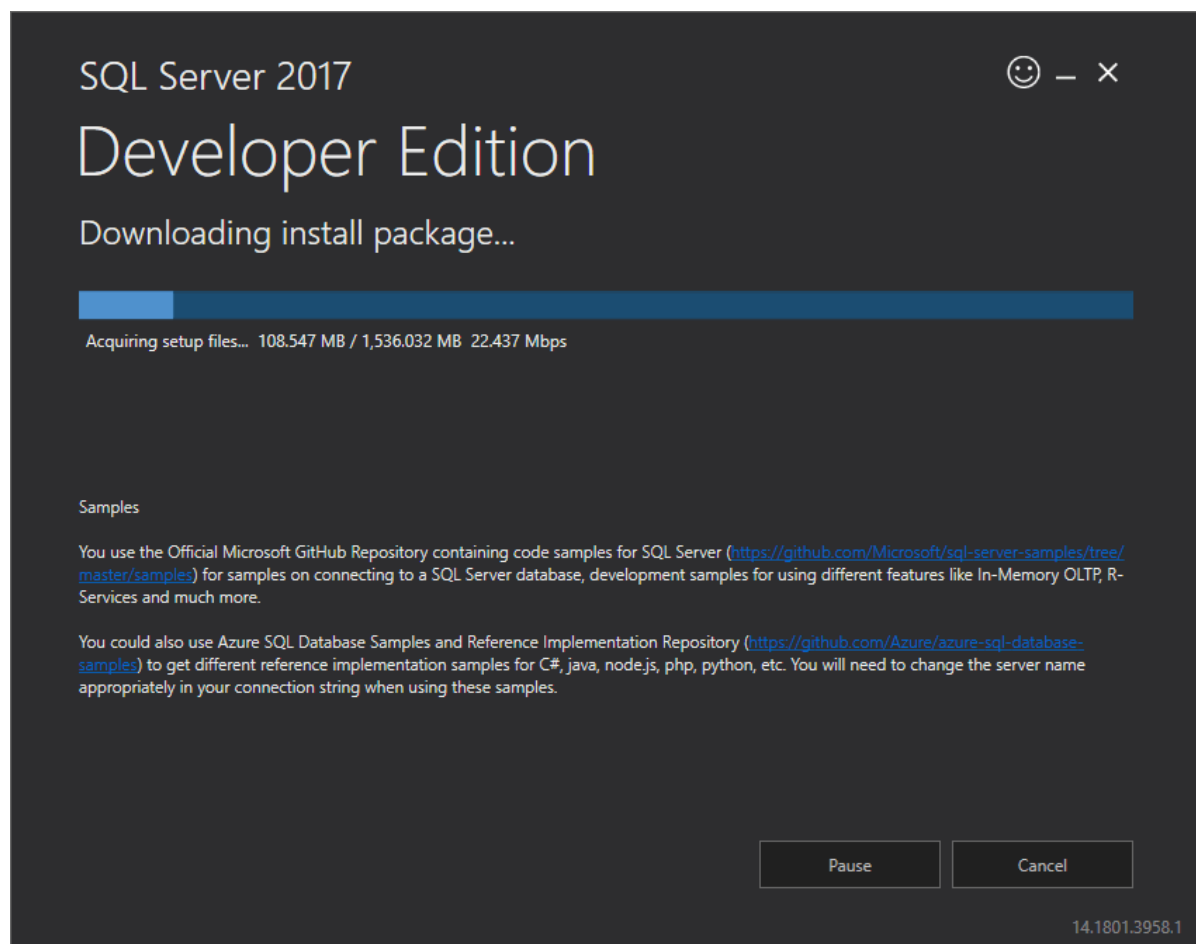
1. The installer asks you to select the installation type, choose the Custom installation type allows you to step through the SQL Server installation wizard and select the features that you want to install.



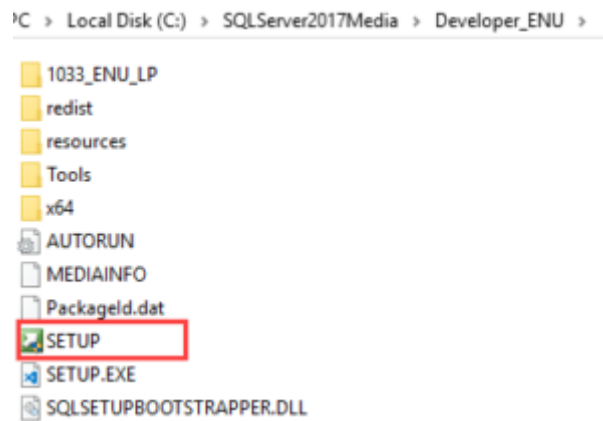
2. Specify the folder for storing the installation files that the installer will download, then click the Install button.



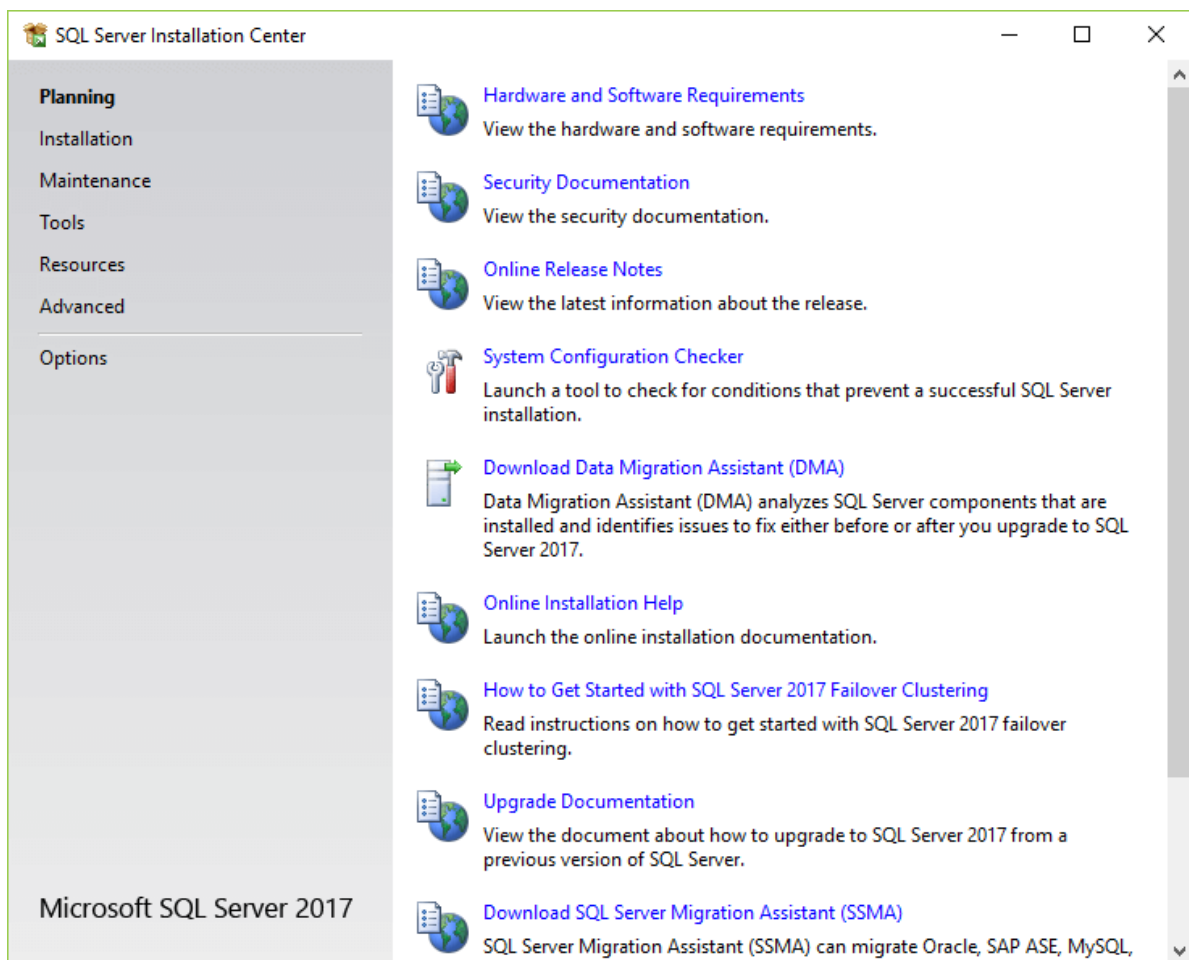
3. The installer starts downloading the install package for a while.



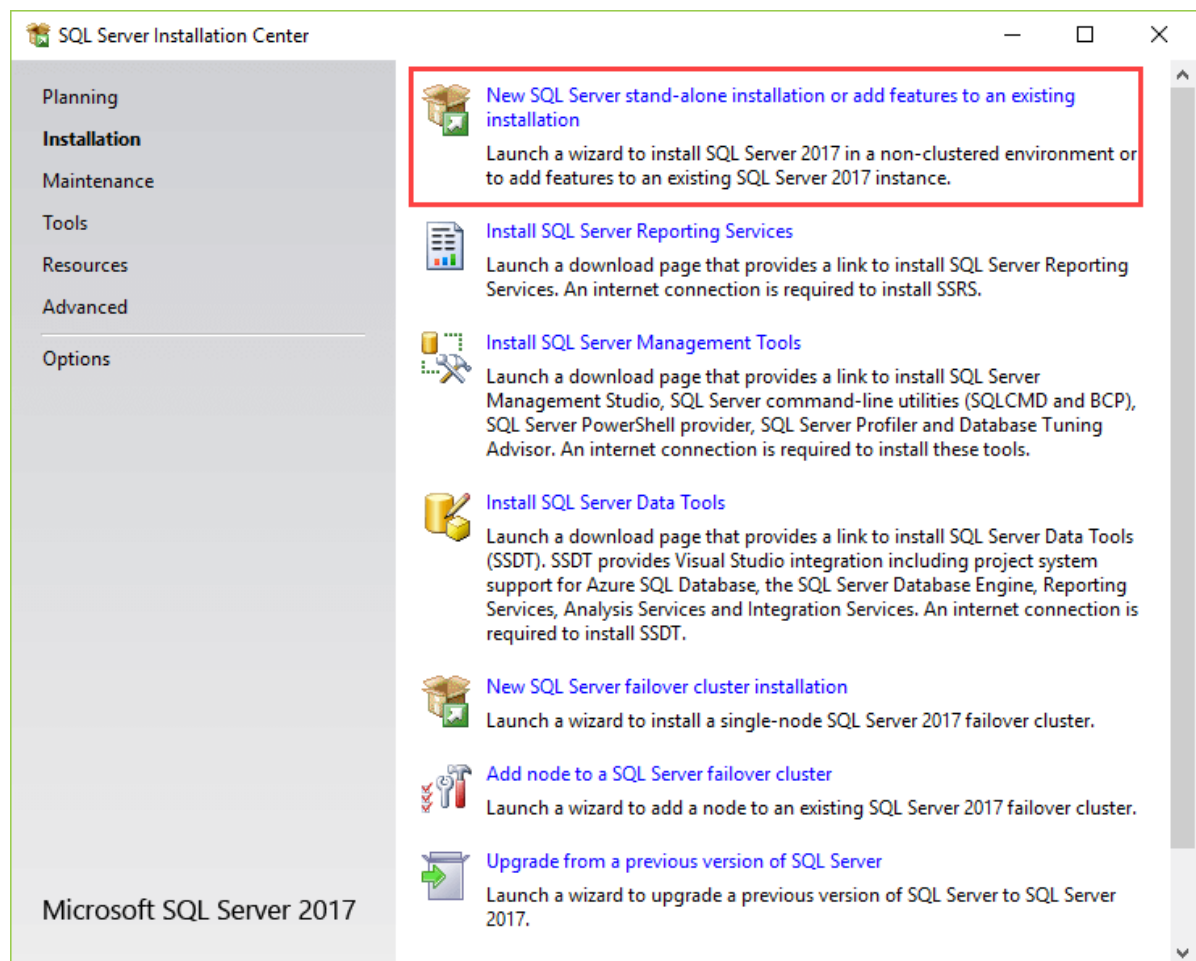
4. Once the download completes, open the folder that stores the install package and double-click the SETUP.exe file.



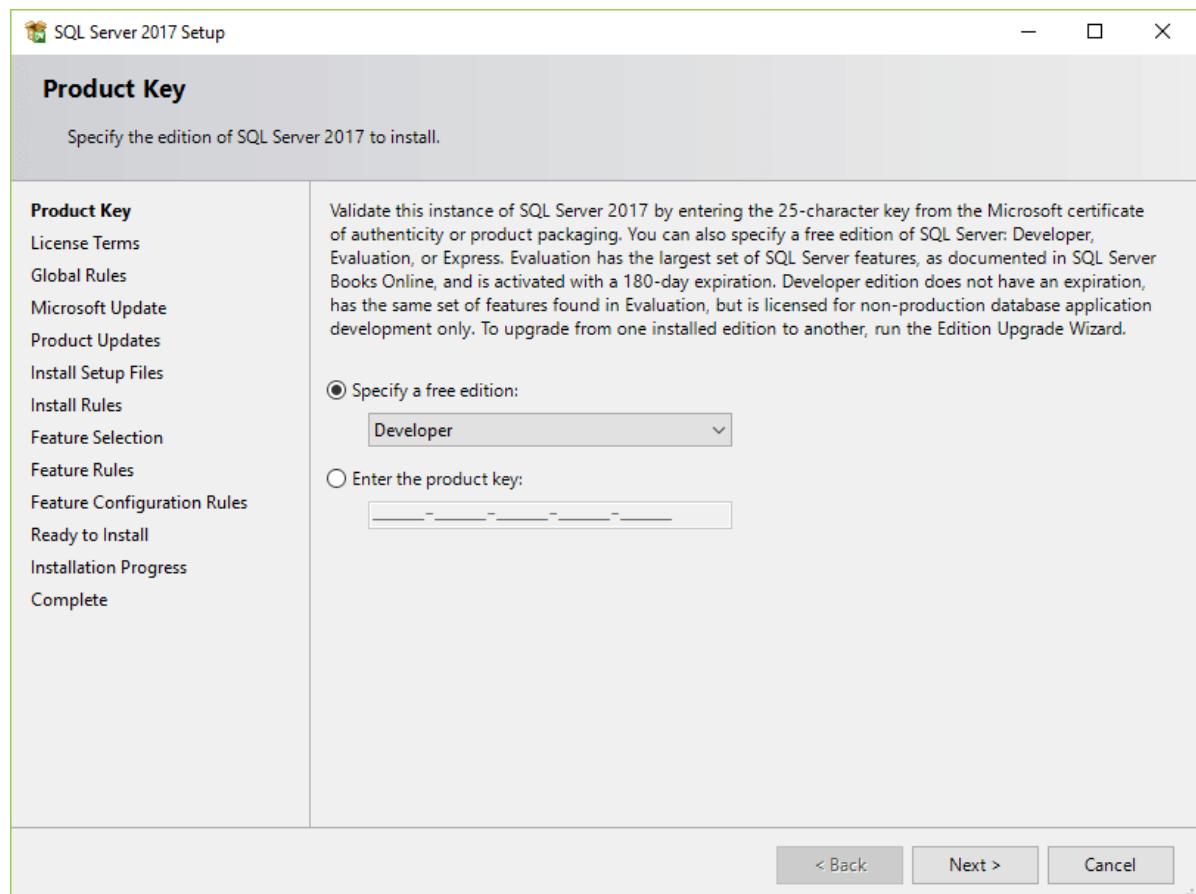
5. The following window displays; select the installation option on the left.



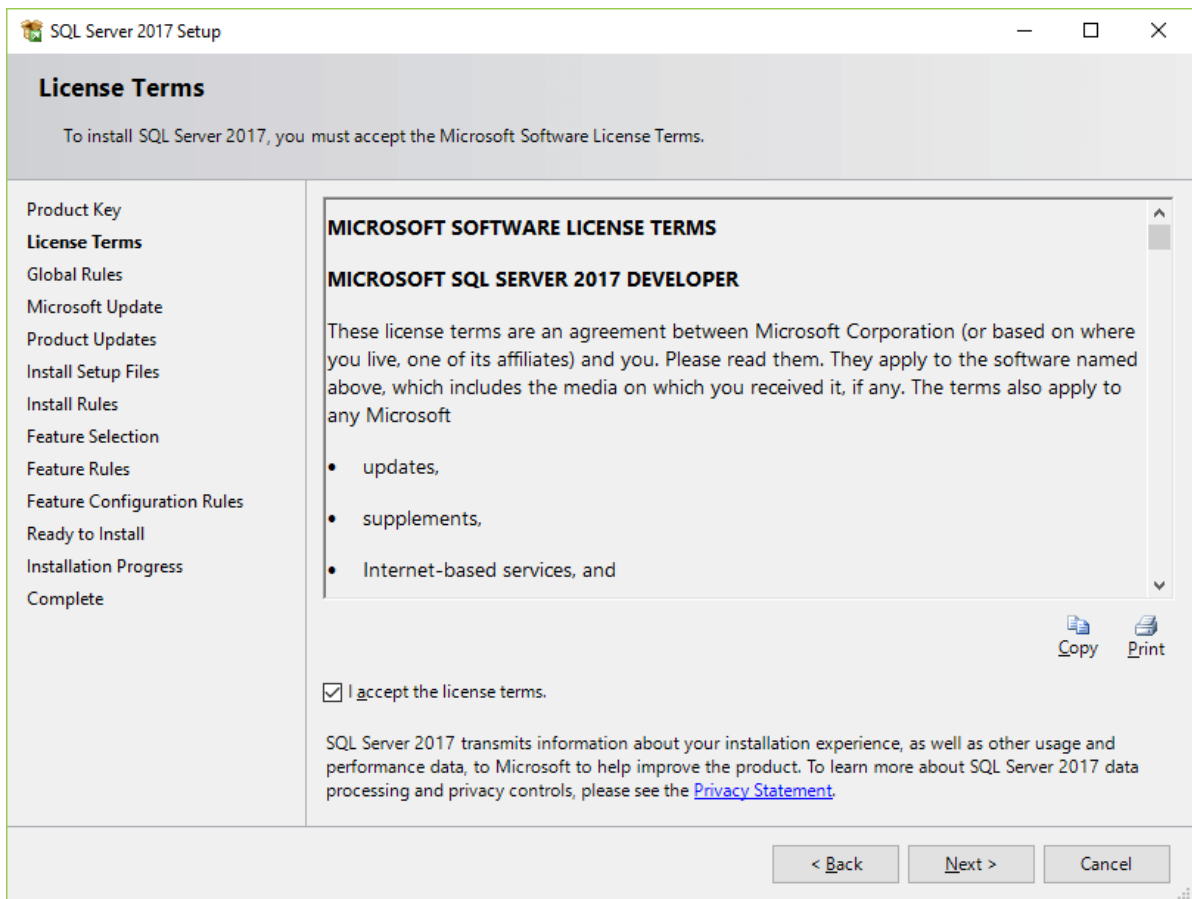
6. Click the first link to launch a wizard to install SQL Server 2017.



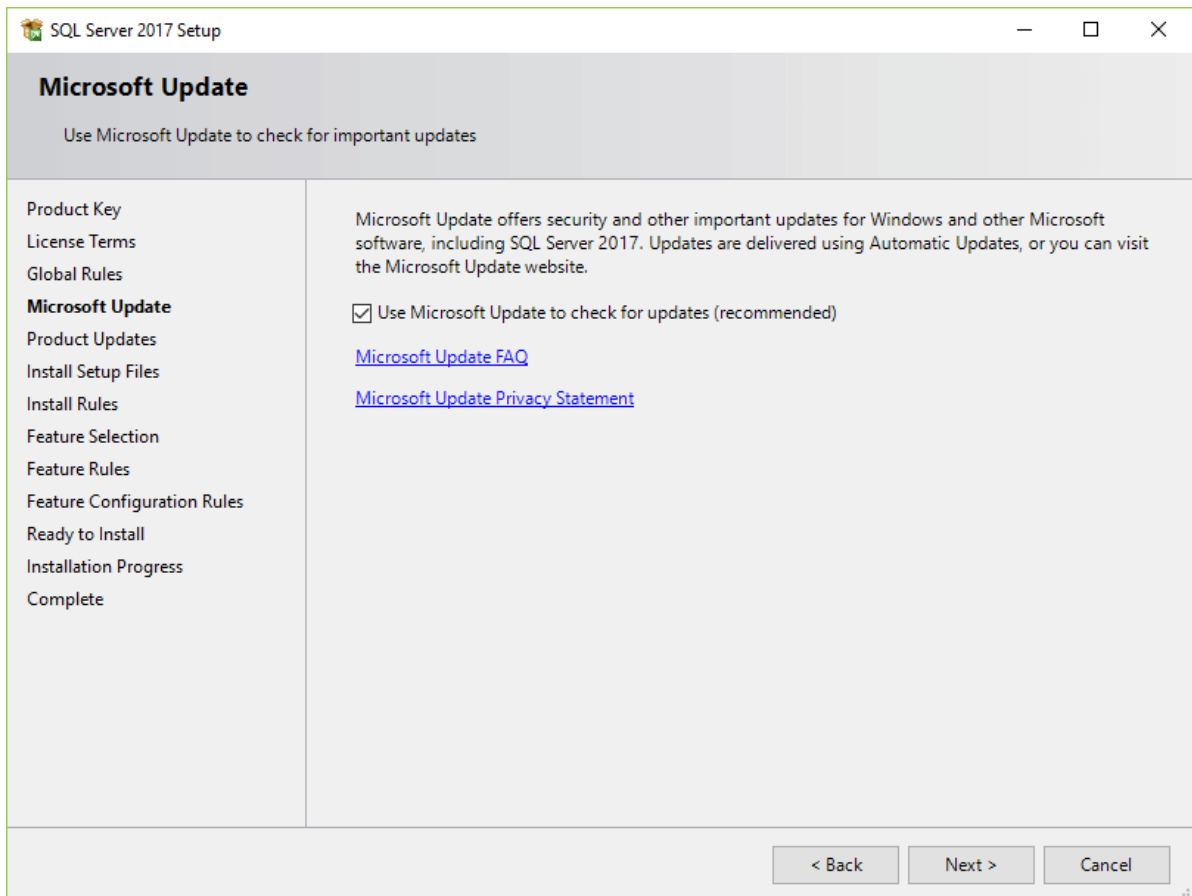
7. Specify the edition that you want to install, select Developer edition and click the Next button.



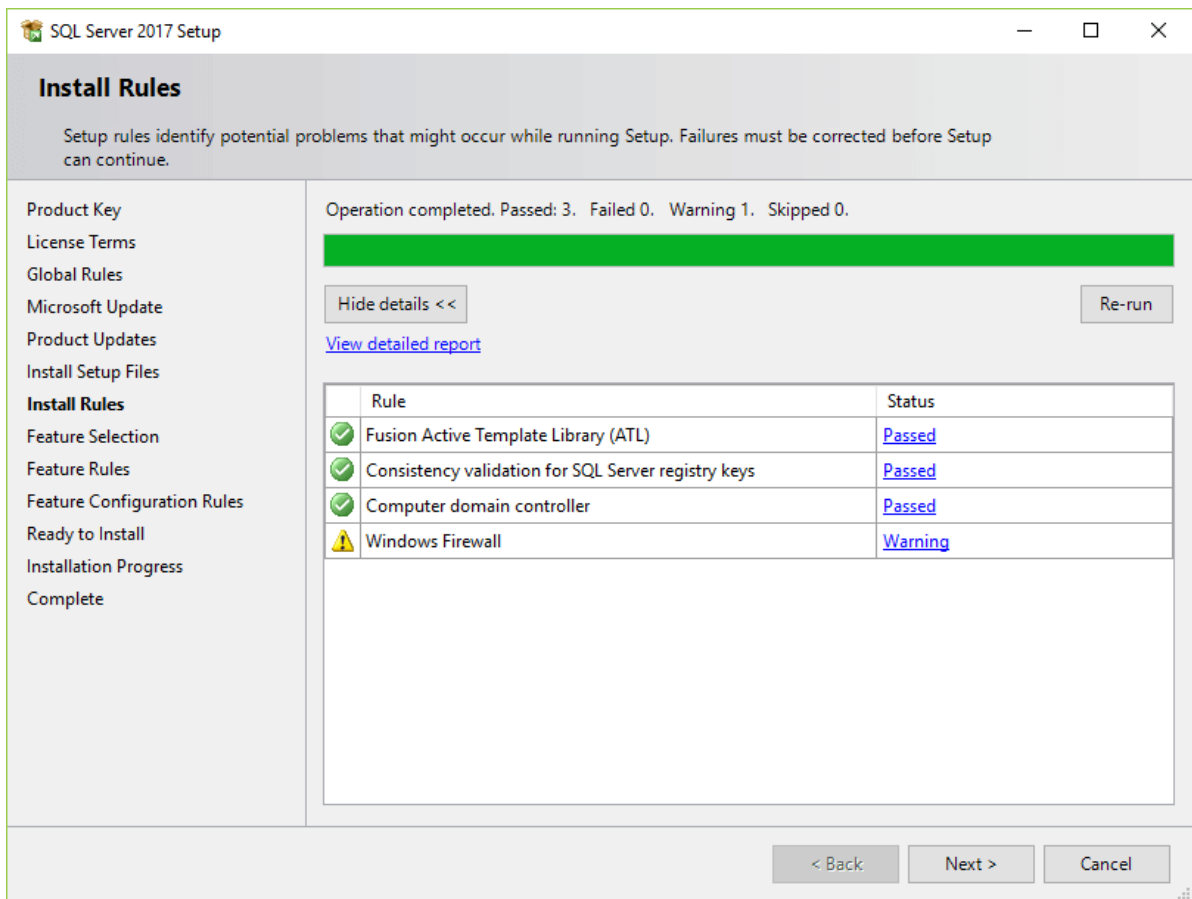
8. Select the "I accept the license terms." and click the Next button.



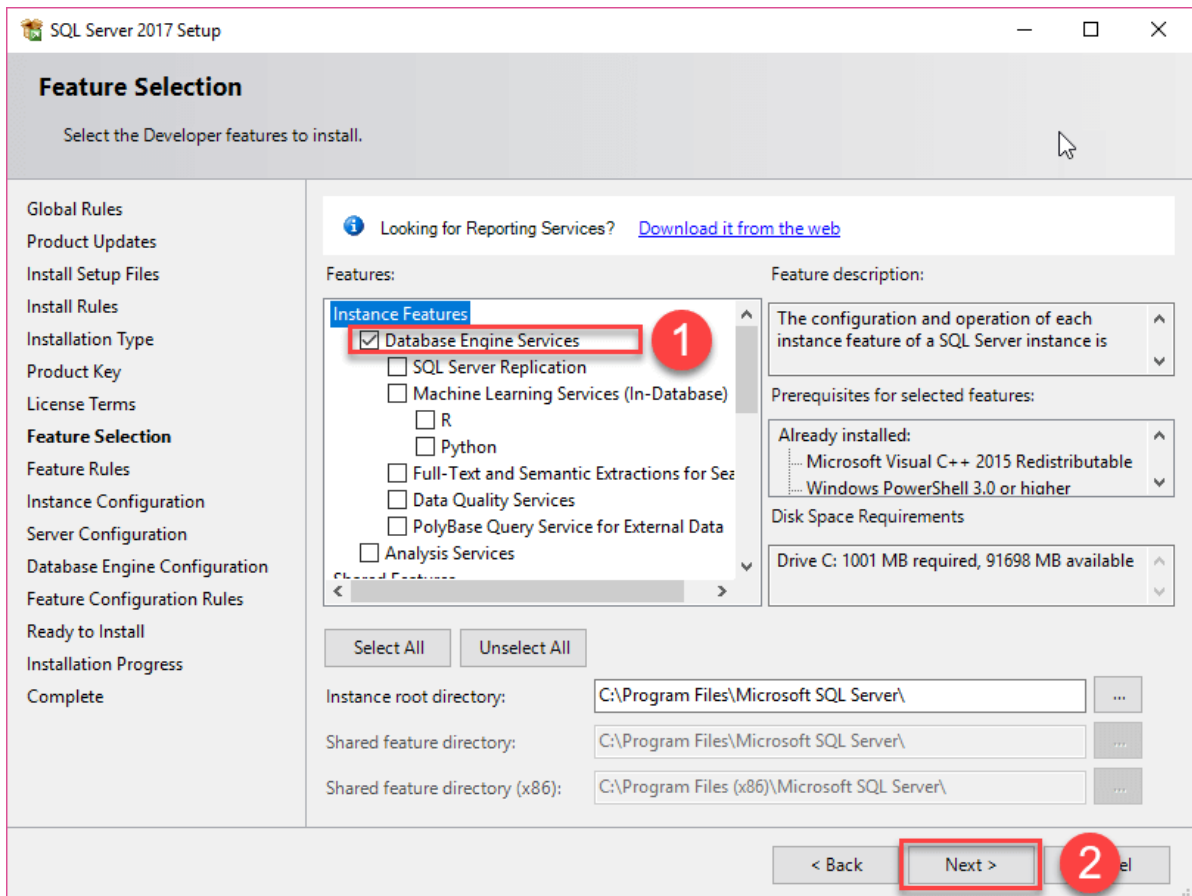
9. Check the "Use Microsoft Update to check for updates (recommended)" to get the security and other important updates for the SQL Server and click the Next button.



10. The installation checks for the prerequisites before installation. If no error found, click the Next button.



11. Select the features that you want to install. For now, you just need the Database Engine Services, just check the checkbox and click the Next button to continue



12. Specify the name and install ID for the instance of the SQL Server and click the Next button.

SQL Server 2017 Setup

Instance Configuration

Specify the name and instance ID for the instance of SQL Server. Instance ID becomes part of the installation path.

Product Key
License Terms
Global Rules
Microsoft Update
Product Updates
Install Setup Files
Install Rules
Feature Selection
Feature Rules
Instance Configuration
Server Configuration
Database Engine Configuration
Feature Configuration Rules
Ready to Install
Installation Progress
Complete

☒ Default instance

☐ Named instance:

Instance ID:

SQL Server directory: C:\Program Files\Microsoft SQL Server\MSSQL14.MSSQLSERVER

Installed instances:

Instance Name	Instance ID	Features	Edition	Version

< Back
Next >
Cancel

13. Specify the service account and collation configuration. Just use the default configuration and click the Next button.

SQL Server 2017 Setup

Server Configuration

Specify the service accounts and collation configuration.

Product Key
License Terms
Global Rules
Microsoft Update
Product Updates
Install Setup Files
Install Rules
Feature Selection
Feature Rules
Instance Configuration
Server Configuration
Database Engine Configuration
Feature Configuration Rules
Ready to Install
Installation Progress
Complete

Service Accounts Collation

Microsoft recommends that you use a separate account for each SQL Server service.

Service	Account Name	Password	Startup Type
SQL Server Agent	NT Service\SQLSERVER...		Manual
SQL Server Database Engine	NT Service\MSSQLSERV...		Automatic
SQL Server Browser	NT AUTHORITY\LOCA...		Disabled

☐ Grant Perform Volume Maintenance Task privilege to SQL Server Database Engine Service

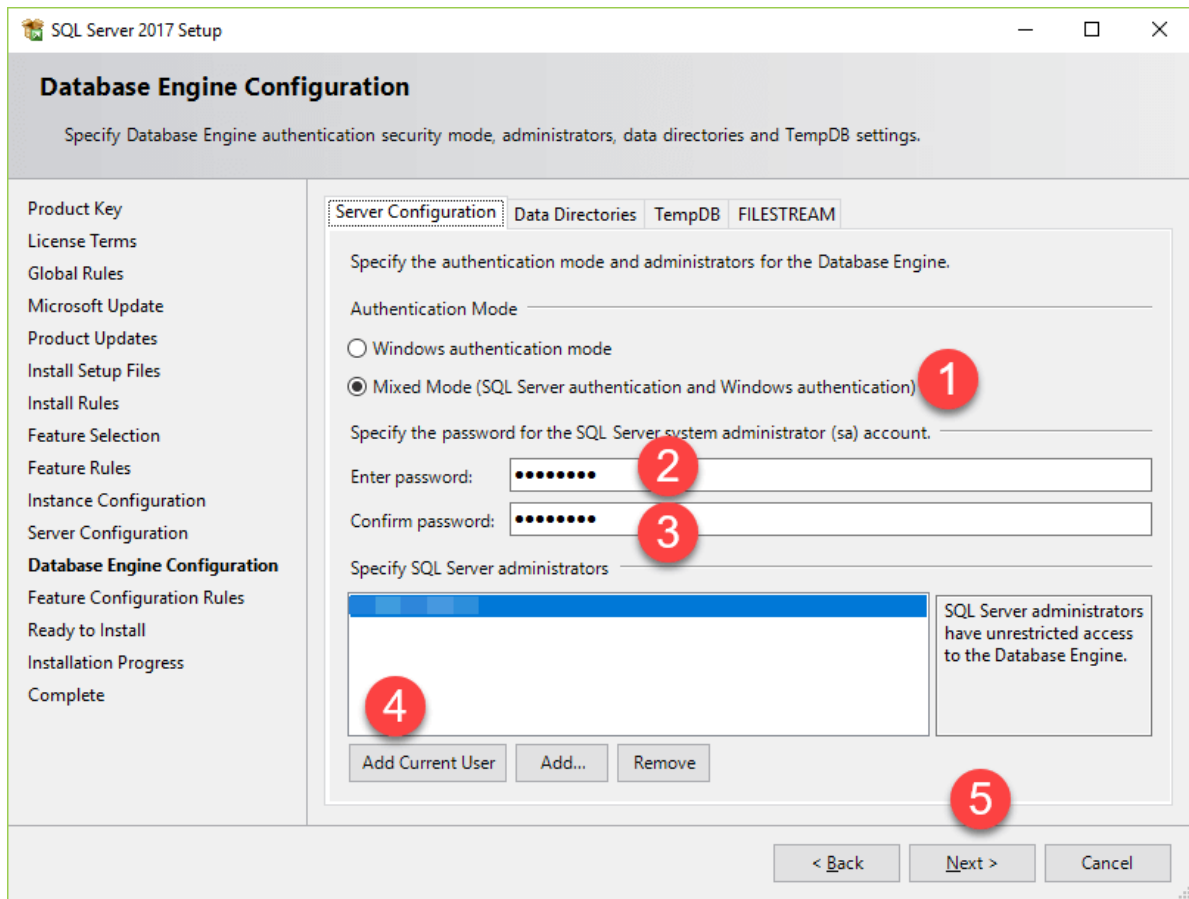
This privilege enables instant file initialization by avoiding zeroing of data pages. This may lead to information disclosure by allowing deleted content to be accessed.

[Click here for details](#)

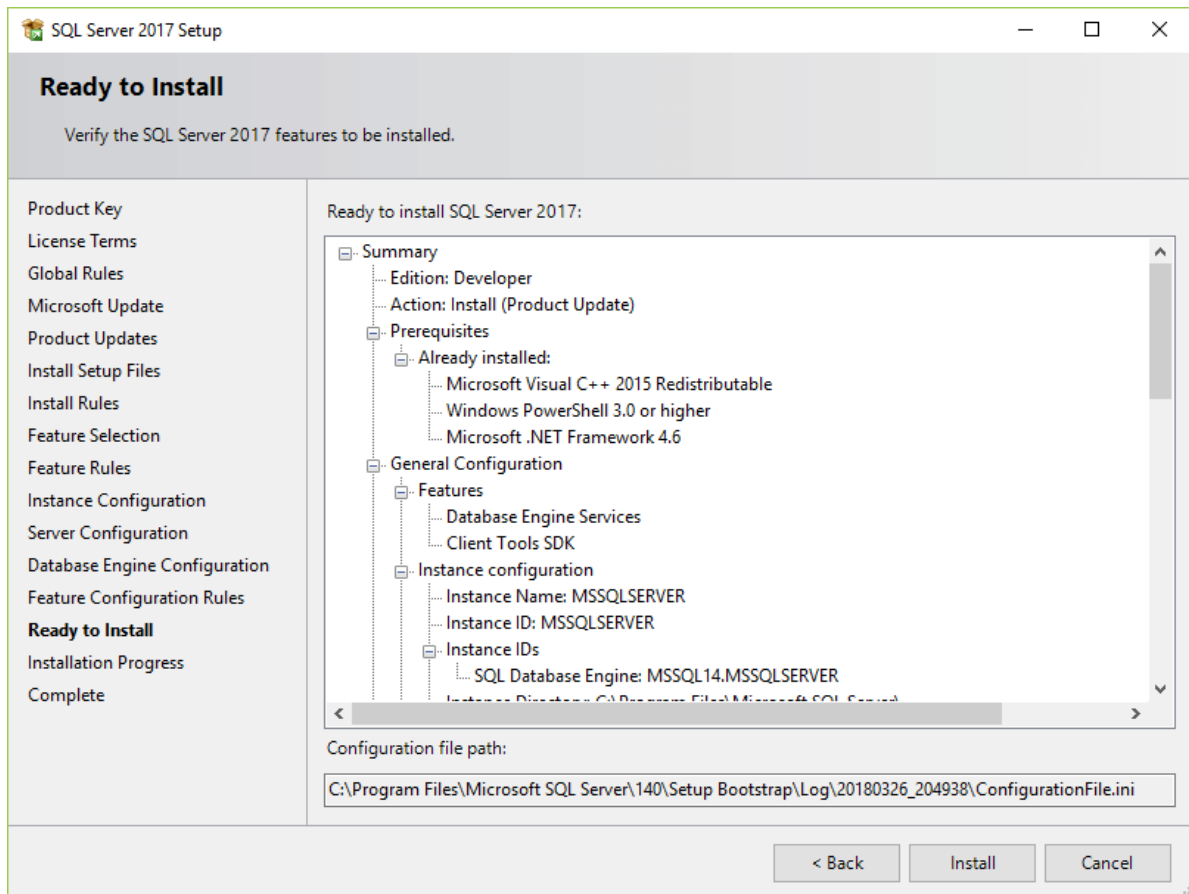
< Back
Next >
Cancel

14. Specify the database engine security mode. First, choose Mixed Mode. Next, enter the password for the SQL Server system administrator (sa) account. Then, re-enter the same password to confirm it.

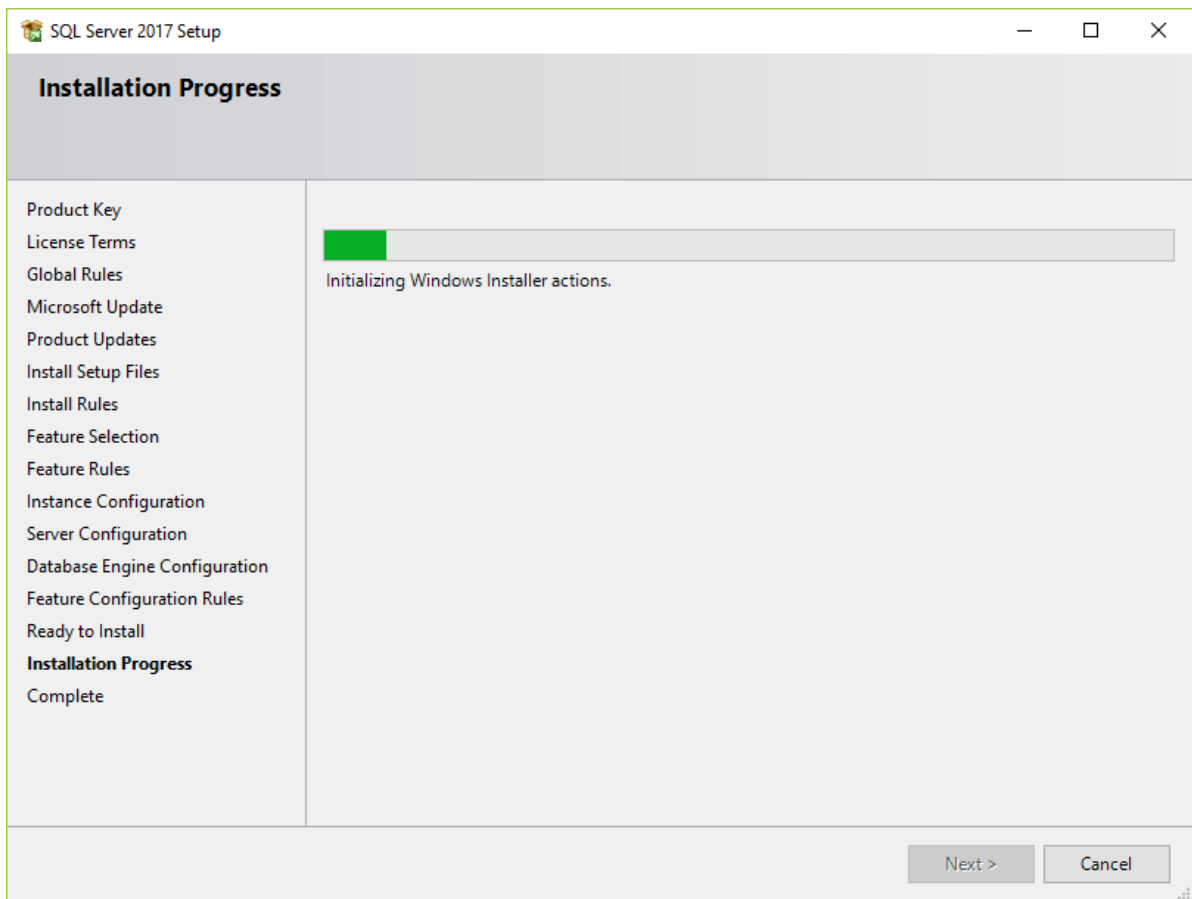
After that, click the Add Current User button. Finally, click the Next button.



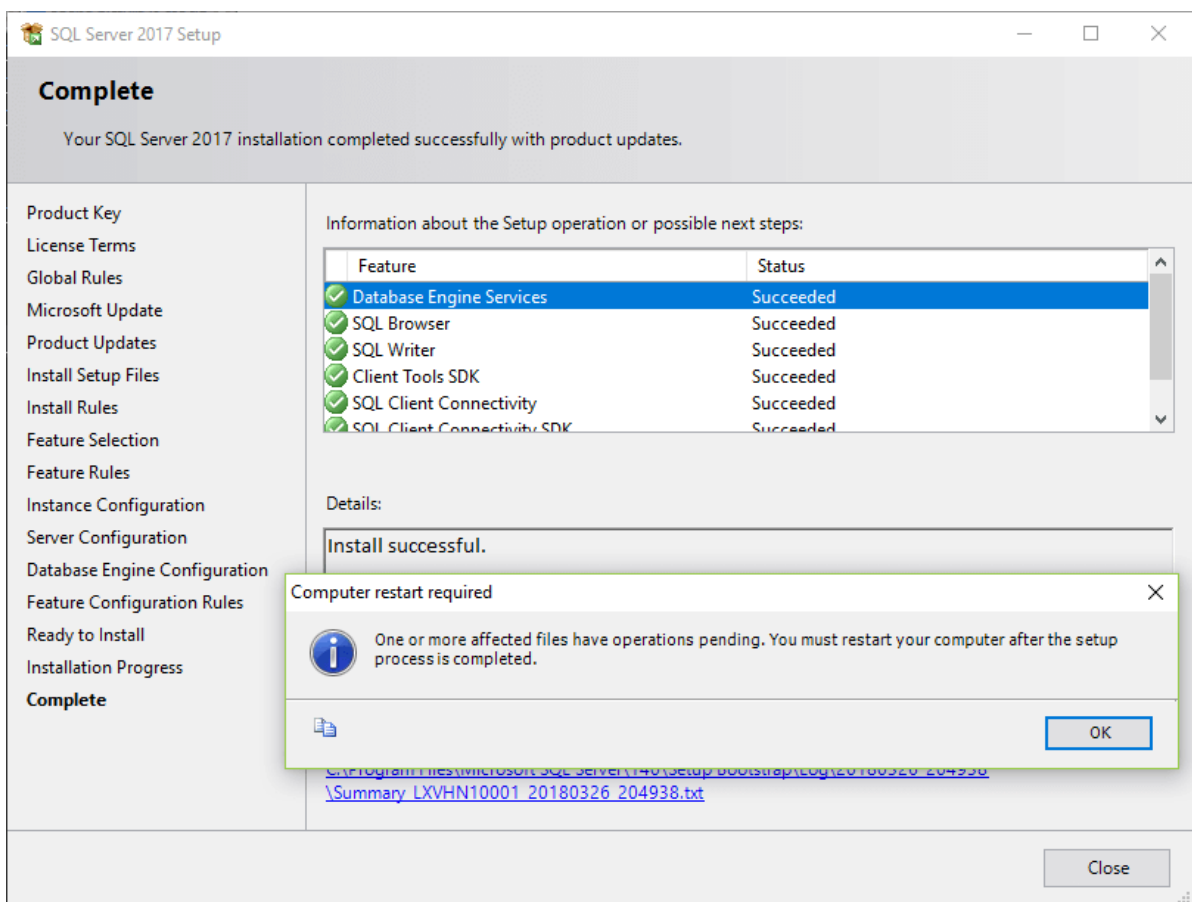
15. Verify the SQL Server 2017 features to be installed:



16. The installer starts the installation process



17. Once it completes, the following window displays. Click the OK button.



18. Click the Close button to complete the installation



RELEASE 17.3

Microsoft SQL Server Management Studio

Welcome. Click "Install" to begin.

By clicking the "Install" button, I acknowledge that I accept the [License Terms](#) and [Privacy Statement](#).

SQL Server Management Studio transmits information about your installation experience, as well as other usage and performance data, to Microsoft to help improve the product. To learn more about SQL Server Management Studio data processing and privacy controls, see the privacy statement link above.

Install

Close

2. Wait for few minutes while the installer sets up the software.



RELEASE 17.3

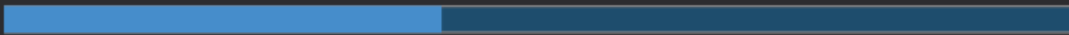
Microsoft SQL Server Management Studio

Package Progress



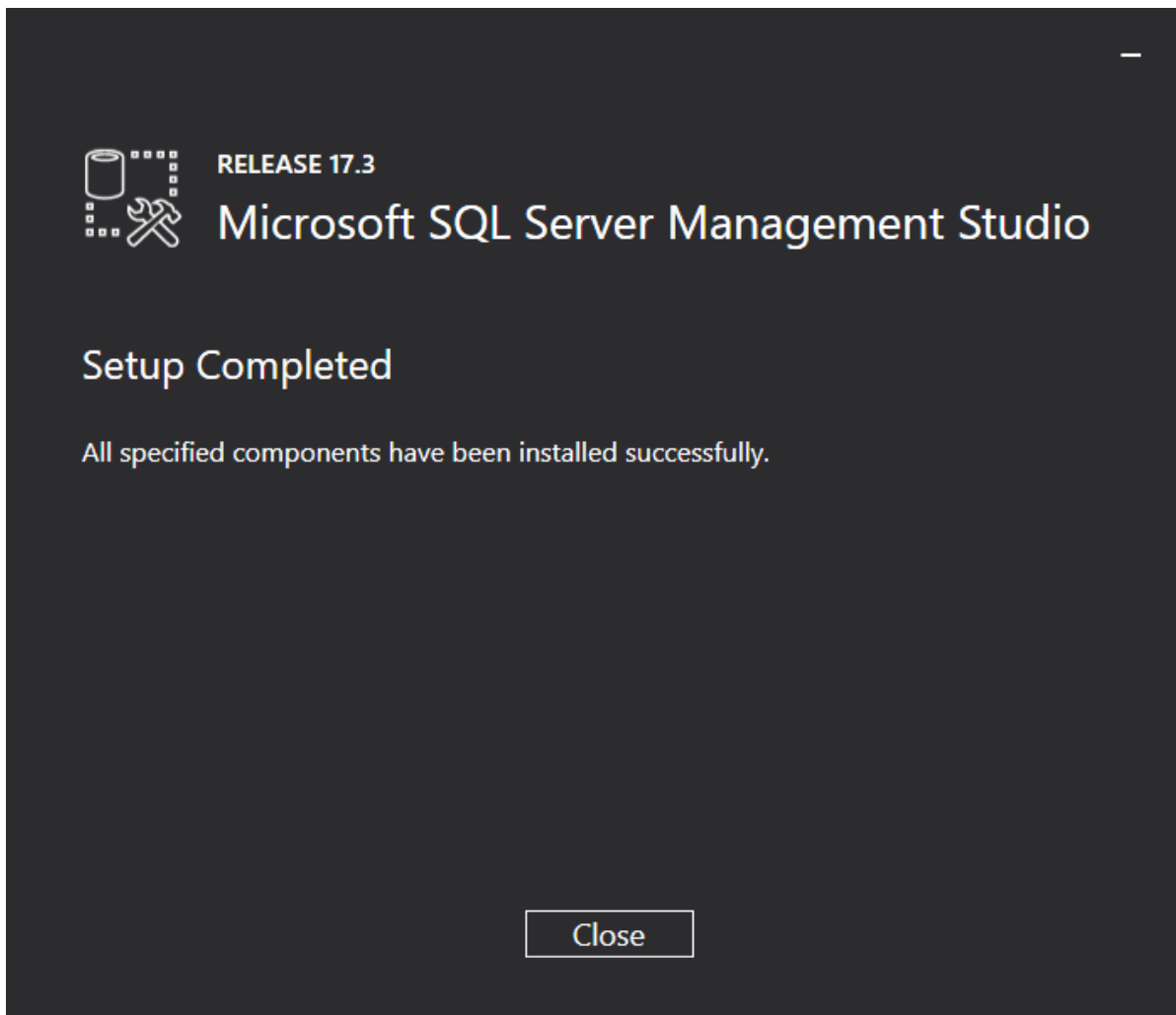
SQL Server 2017 Common Files

Overall Progress



Cancel

3. Once setup is completed, click the **Close** button



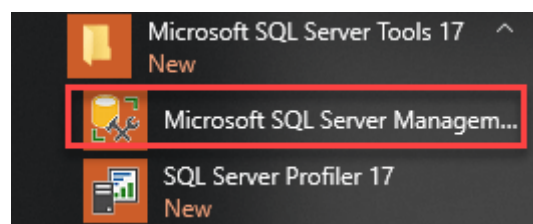
Now, you should have a SQL Server 2017 and SQL Server Management Studio installed on your computer.

Connect to the SQL Server

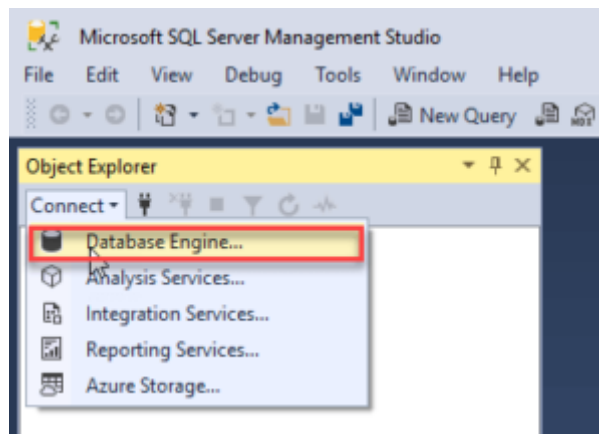
Connect to the SQL Server using SSMS

To connect to the SQL Server using the Microsoft SQL Server Management Studio, you use these steps:

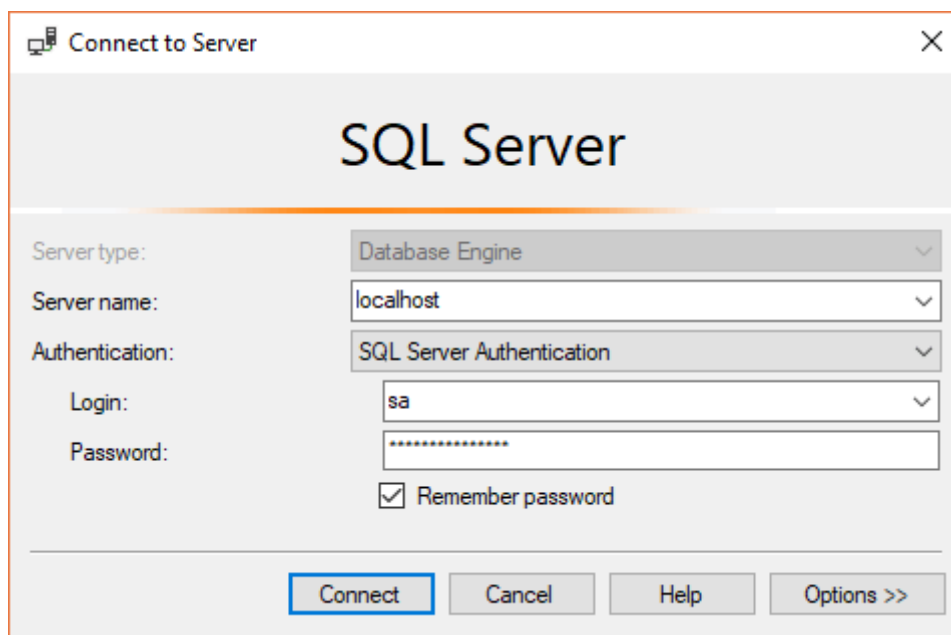
First, launch the Microsoft SQL Server Management Studio from the **Start** menu:



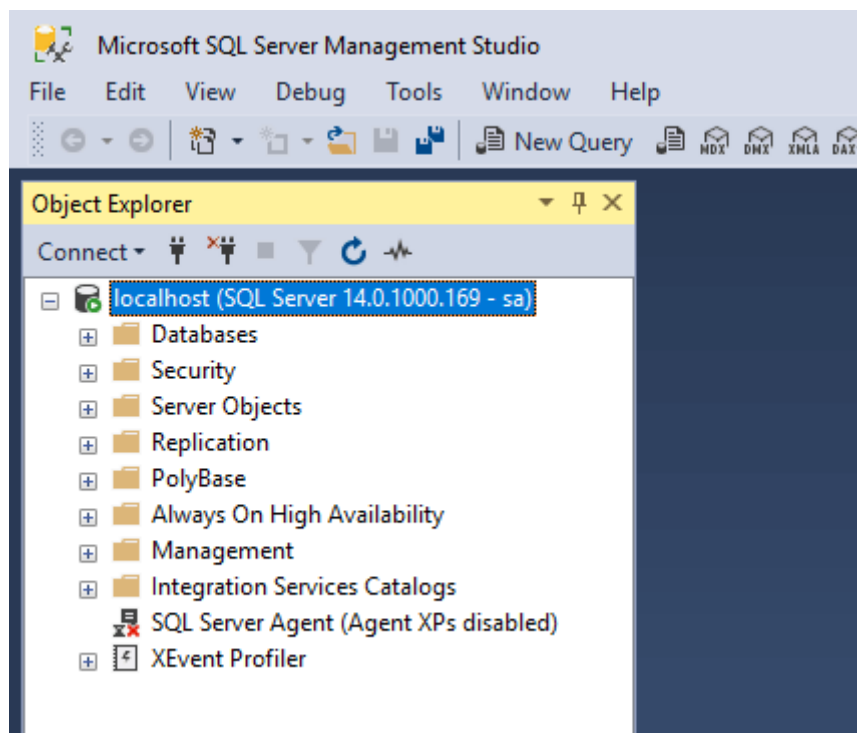
Next, from the **Connect** menu under the **Object Explorer**, choose the **Database Engine...**



Then, enter the information for the Server name (localhost), Authentication (SQL Server Authentication), and password for the `sa` user and click the **Connect** button to connect to the SQL Server. Note that you should use the `sa` user and password that you entered during the installation.



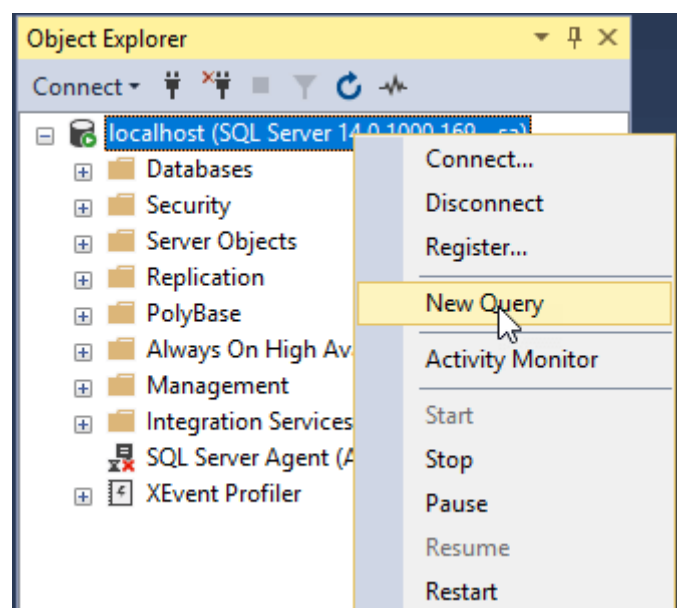
If the connection is established successfully, then you will see the following **Object Explorer** panel:



Execute a query

To execute a query you follow these steps:

First, right-click on the **localhost (SQL Server ...)** node and choose the **New Query** menu item:

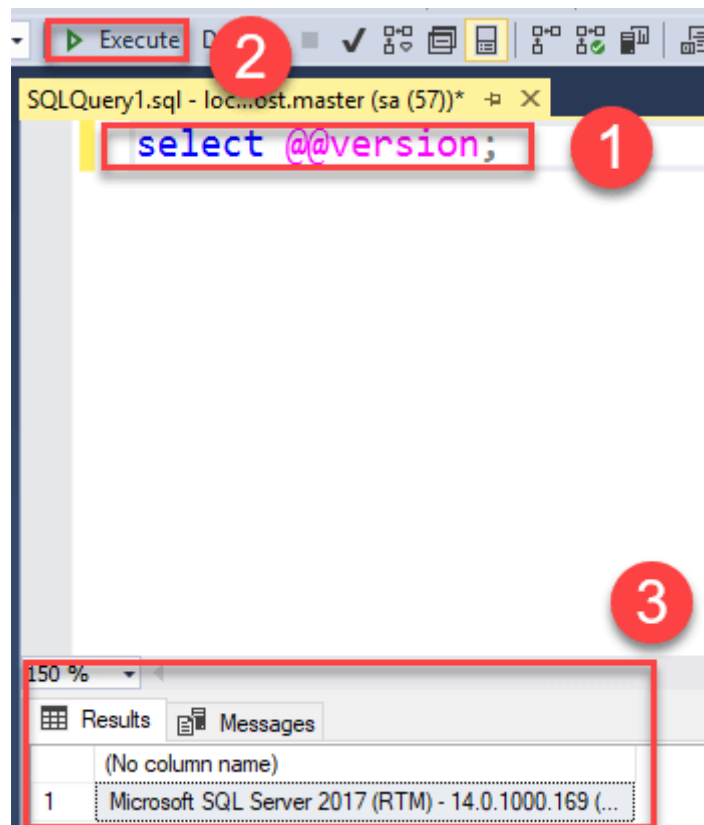


Second, enter the following query in the Editor

```
select @@version
```

This query returns the version of the SQL Server.

Third, click the **Execute** button.



The **Results** window shows the version of the SQL Server as shown in the above screenshot. A quick way to execute a query is to press the **F5** keyboard shortcut.

Now, you should know how to connect to a SQL Server and execute a query from the SSMS.