

# How to install SQL Server 2019 on Windows

The latest version of Microsoft SQL Server 2019 offers many attractive new features to meet the needs of today's users, especially in helping organizations evaluate and verify data and integrate with various other software. To install Microsoft SQL Server 2019, follow the instructions in the following article.

**SQL Server 2019**, Microsoft's industry-leading database management platform, was released on November 4, 2019. SQL Server 2019 offers numerous enhancements to its core database engine and integrates with several Big Data platforms such as Apache Spark, Data Lake, Hadoop Distributed File System (HDFS), machine learning, and more. This release is considered a leap forward in database integration with other exciting features and technologies.



## How to install SQL Server 2019

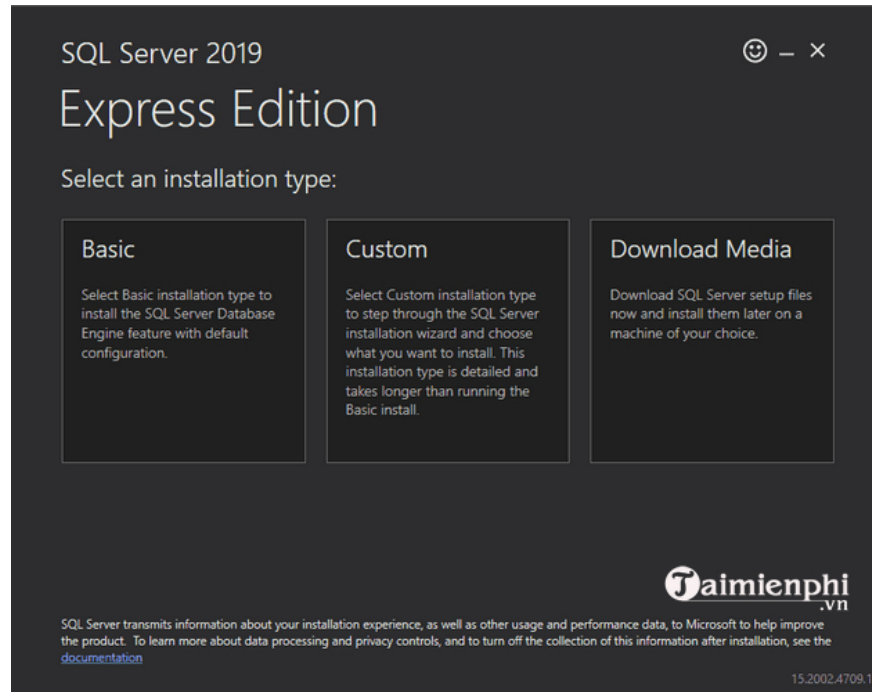
You can install SQL Server 2019 on Windows, Linux, or Docker containers, and in this article, TipsMake will guide you through the detailed steps of installing SQL Server 2019 on Windows.

## *SQL Server 2019 Installation Guide*

**Step 1:** Download Microsoft SQL Server 2019 here to install it.

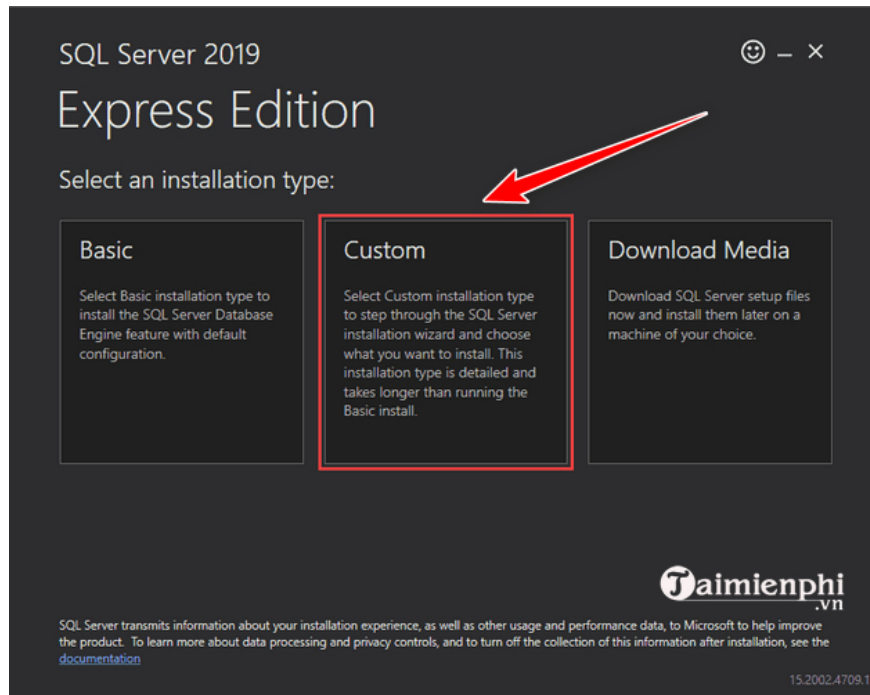
- **SQL Server 2019 Developer** : A free, full-featured version licensed for use as a development and testing database in non-production environments.
- **SQL Server 2019 Express**: A free version of SQL Server, ideal for development and production for small applications. It has a size limit of 10 GB.

**Step 2:** After the download is complete, click to open the file named **SQL2019-SSEI-Dev.exe** or **SQL2019-SSEI-Expr.exe** (depending on the version you choose) and you will see 3 options to install SQL 2019 as shown below.

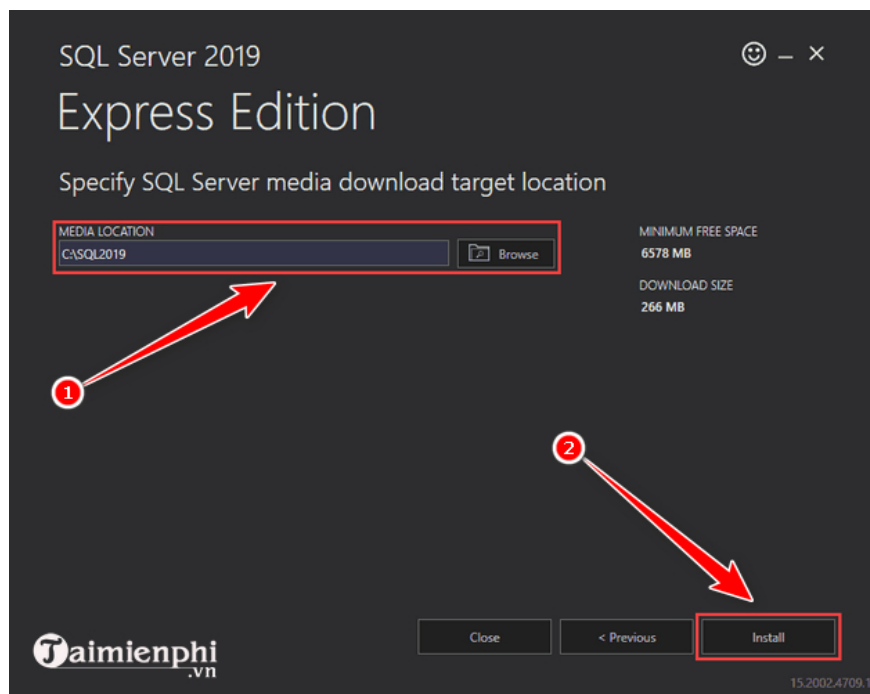


- **The Basic** option is the fastest. It installs the default configuration of the SQL Server Database Engine. - **The Custom** option lets you specify the installation location. You can also choose which features are installed. - **The Download Media** option lets you download the setup file for offline installation. You can choose which version of the SQL Server Engine you want to download.

In this guide, TipsMake will select the **Custom option**.



**Step 3:** Specify the installation location and click the **Install** button to begin downloading the setup files.

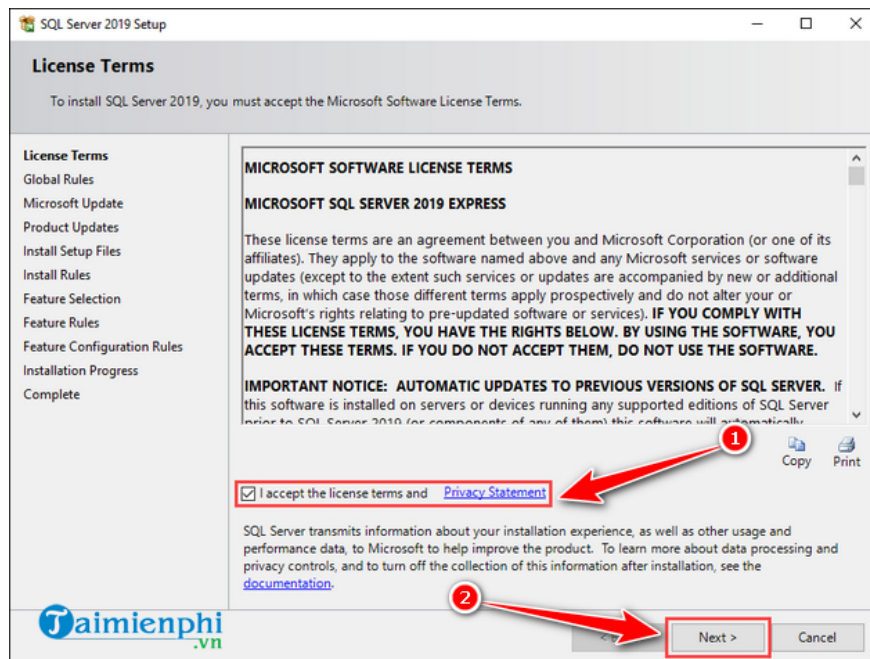


**Step 4:** Next, we will proceed with installing SQL Server 2019.

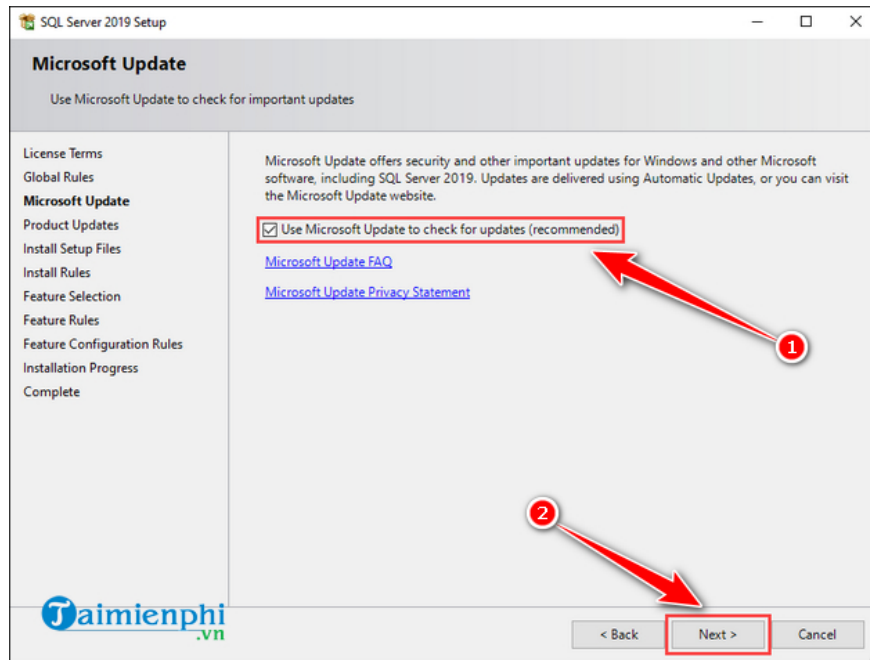
- After the installation package download is complete, the wizard will open the **SQL Server Installation Center** window . This window provides a range of different tools used to install and manage your SQL server.
- First, click on the option "**New SQL Server stand-alone installation or add features to an existing installation**" to begin the installation process.



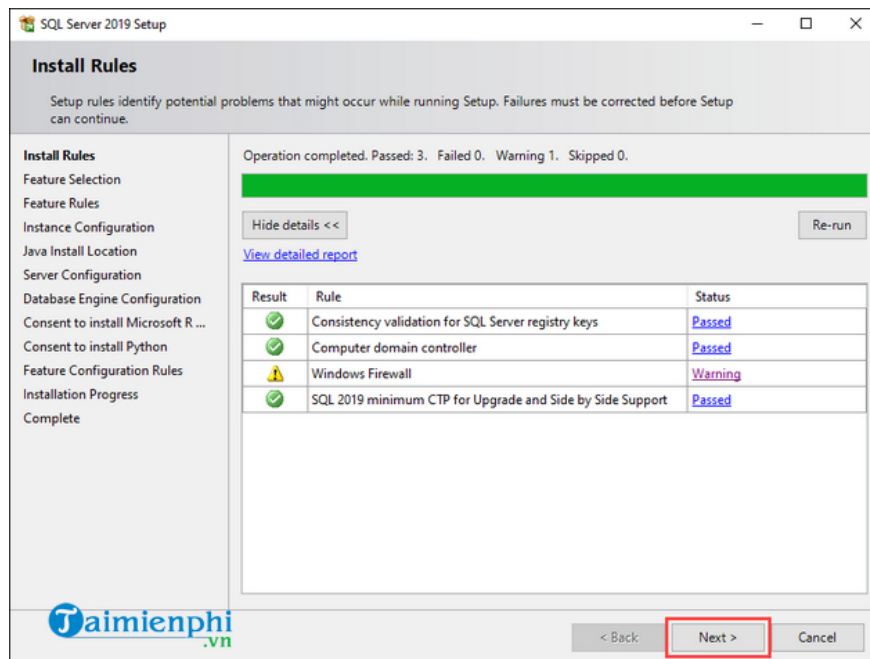
- The next screen provides an overview of the SQL Express Server license terms. Check the box " **I accept the license terms and Privacy Statement**" and click **Next** to continue.



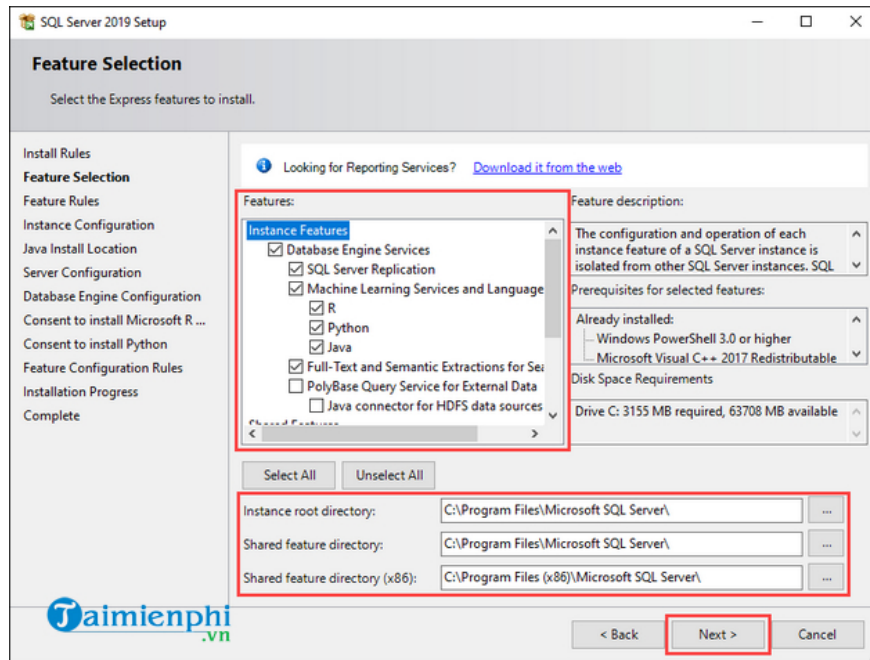
Next, check the box next to " **Use Microsoft Update to check for updates (recommended)**" to track updates from Microsoft. Then, click **Next** to continue.



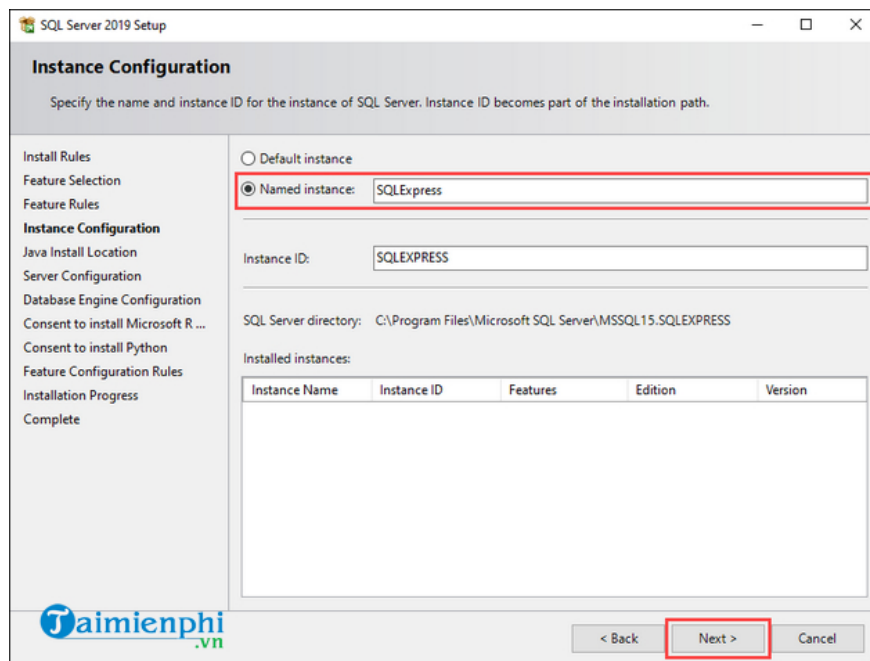
- On the **Install Rules** screen , you can identify potential installation issues. Any entries showing " **Failed** " must be resolved before you proceed with the installation. If no entries fail, click **Next**.



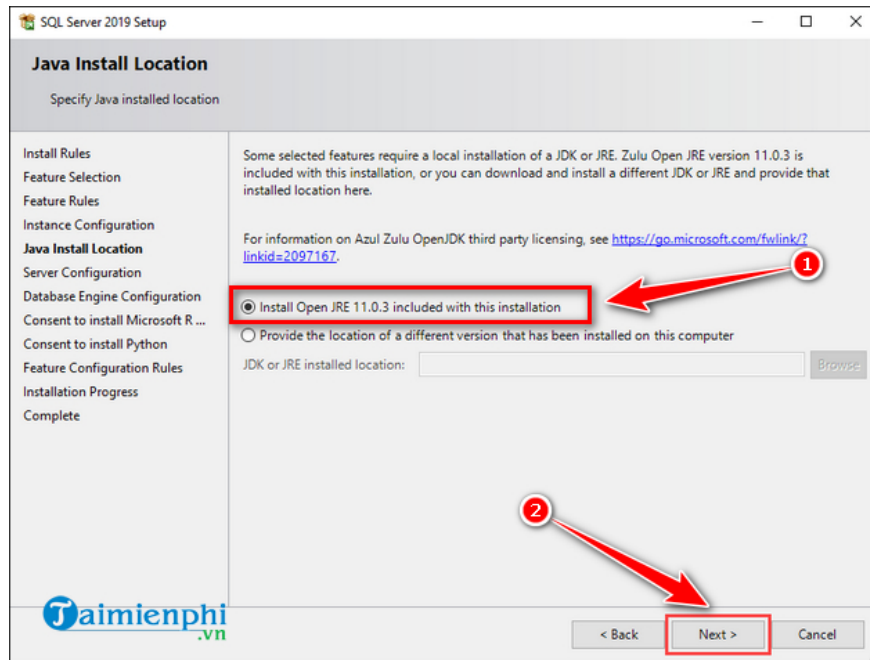
- In the **Feature Selection** screen , select the SQL Server 2019 elements to install and specify the installation folders in the **Features** section . Click **Next** to continue.



- In the **Instance Configuration** screen , choose either **Default Instance** or **Named Instance** as the name . For this guide, TipsMake uses the **Named instance** option and keeps the suggested names by default. Press **Next** to continue.

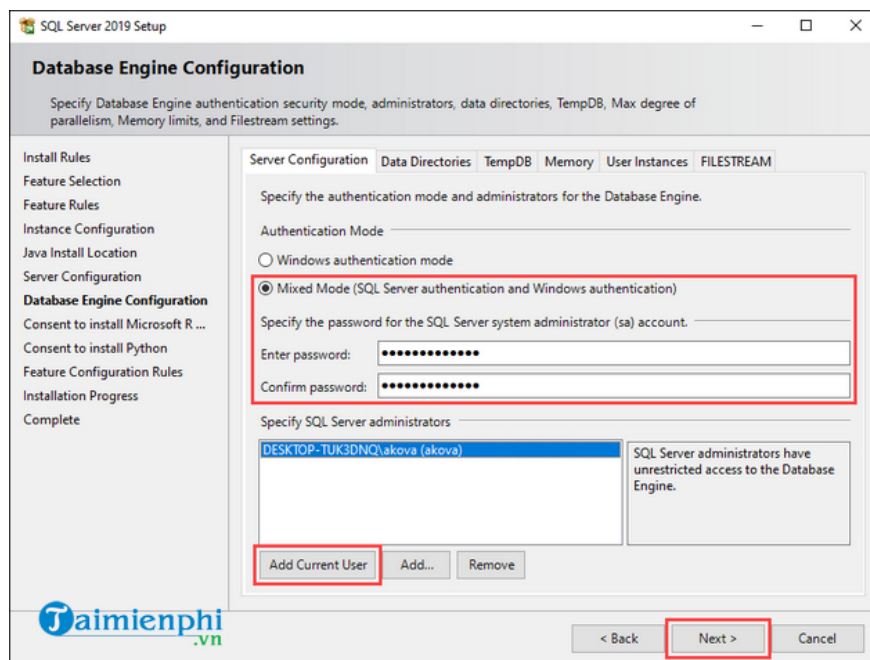


- Next, on the **Java Install Configuration** screen , install Java with your current installation or provide a path to a version you have already installed on your computer. Click **Next** to continue.

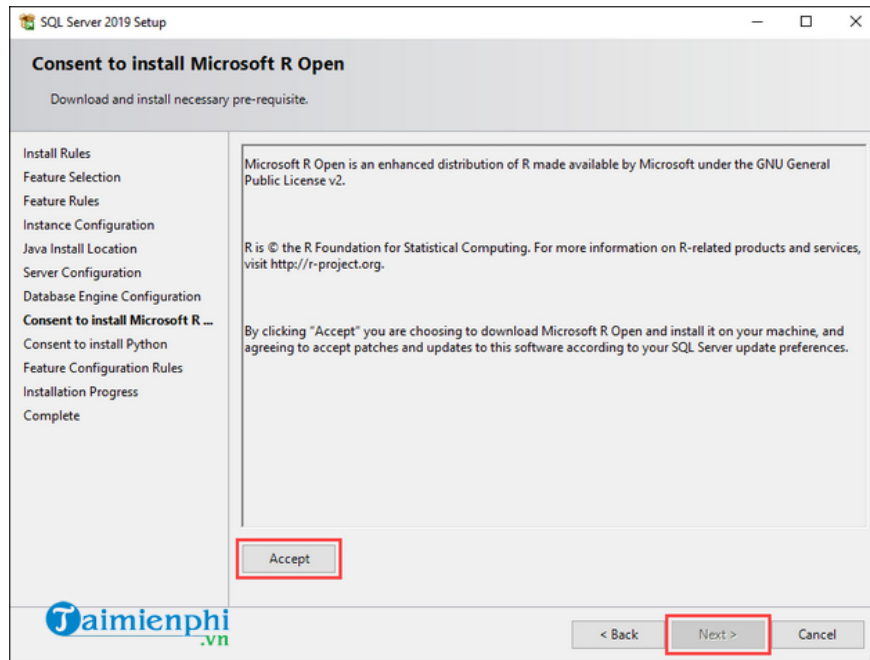


- In the **Server Configuration** screen , you get the default values ??for **Service Accounts** and **Collation**. Then, click **Next**.

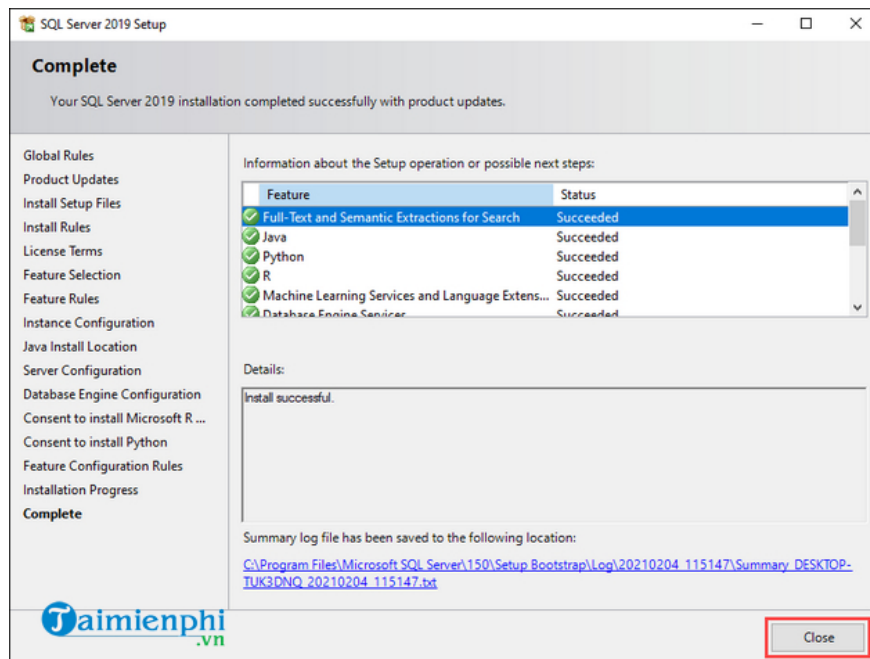
- In the **Database Engine Configuration** screen , you specify the authentication mode for your SQL server. In this guide, TipsMake chooses **Mix Mode**. You enter the password and any other settings you want to configure, add the current user as an administrator by clicking the **Add Current Use** button. Click **Next** to continue.



- The next two screens ask you to agree to install Microsoft R Open and Python, respectively. Click **Accept** and **Next** to continue.



- After the installation is complete, a new screen will display an overview of the installed features. Click **Close** to finish the SQL Server 2019 installation process.




**Step 5:** Restart your computer for the changes to take effect.


**Step 6:** Test your connection to SQL Server 2019 Express Edition in two ways: using SQL Server Management Studio or Command Prompt.

**\* Using SQL Server Management Studio:**

- Access SQL Server Management Studio (<https://docs.microsoft.com/en-us/sql/ssms/download-sql-server-management-studio-ssms?view=sql-server-ver15>), scroll down to the **Download SSMS** section and click on the provided link.

## Download SSMS



 [Download SQL Server Management Studio \(SSMS\) <sup>62</sup>](#)

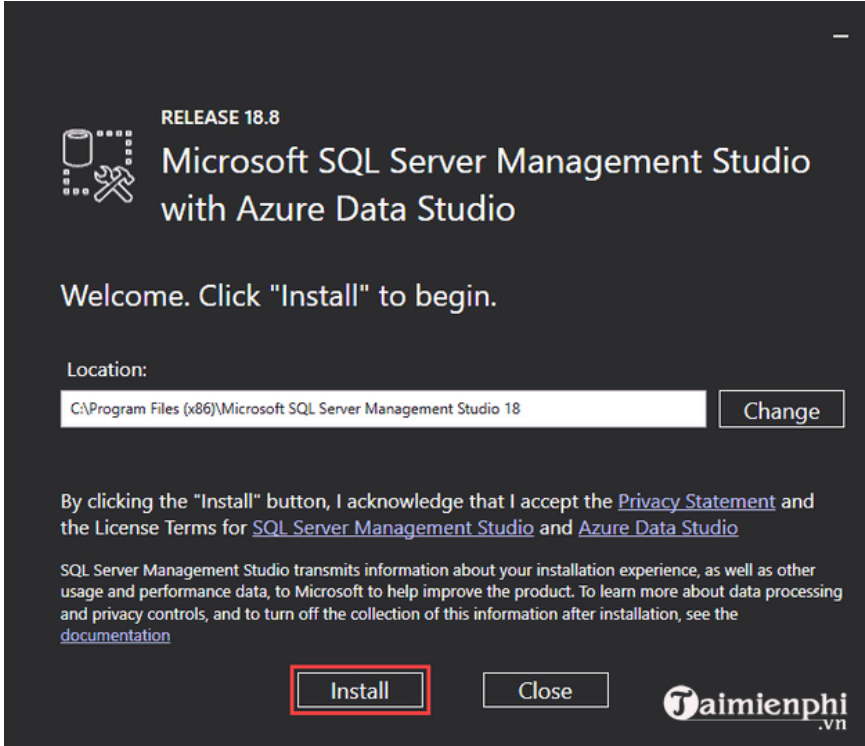
SSMS 18.8 is the latest general availability (GA) version of SSMS. If you have a previous GA version of SSMS 18 installed, installing SSMS 18.8 upgrades it to 18.8.

**Important**


Beginning with SQL Server Management Studio (SSMS) 18.7, Azure Data Studio is automatically installed alongside SSMS. Users of SQL Server Management Studio are now able to benefit from the innovations and features in Azure Data Studio. Azure Data Studio is a cross-platform and open-source desktop tool for your environments, whether in the cloud, on-premises, or hybrid.

To learn more about Azure Data Studio, check out [What is Azure Data Studio](#) or the [FAQ](#).

- Open the downloaded installation file and click **Install** to begin the setup.



RELEASE 18.8


 Microsoft SQL Server Management Studio  
with Azure Data Studio

Welcome. Click "Install" to begin.

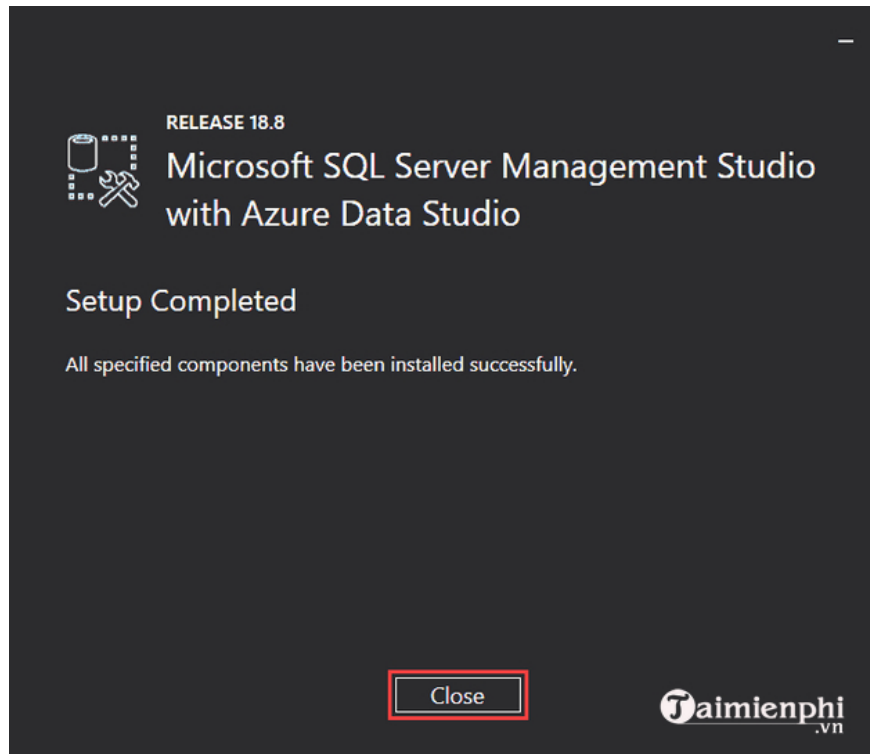
Location:

By clicking the "Install" button, I acknowledge that I accept the [Privacy Statement](#) and the License Terms for [SQL Server Management Studio](#) and [Azure Data Studio](#)

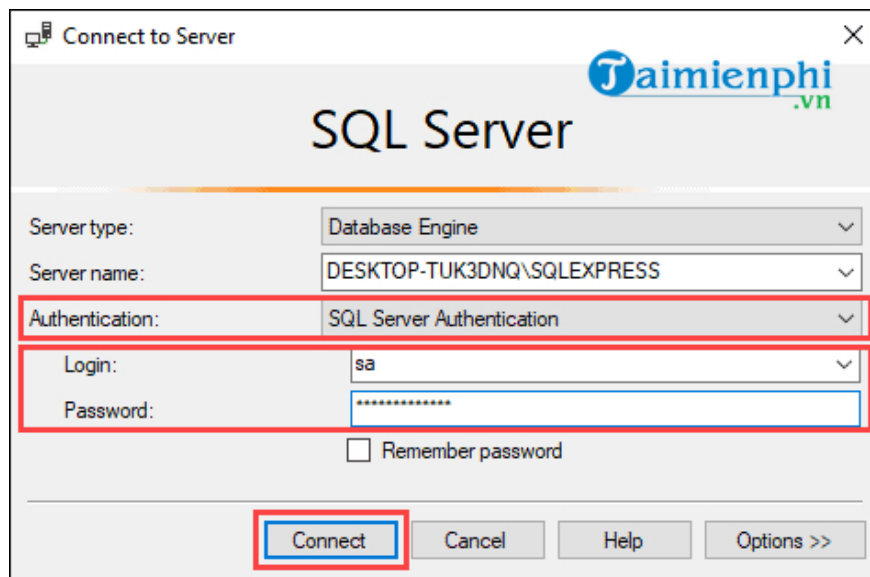
SQL Server Management Studio transmits information about your installation experience, as well as other usage and performance data, to Microsoft to help improve the product. To learn more about data processing and privacy controls, and to turn off the collection of this information after installation, see the [documentation](#)



- After you have finished setting it up, click **Close** to exit.



- Run SQL Server Management Studio.
- In the login window, select the **SQL Server Authentication** option and use the default **login name (sa)** and password you set during the SQL Server 2019 setup on **the Database Engine Configuration screen**.
- Click **Connect** to attempt to connect to the server.



If the login window closes without any issues and you successfully access the main SQL Server Management Studio window, this means the connection is working properly.

### \* Use Command Prompt

- Enter the following command into Command Prompt:

```
sqlcmd -S [computer name]SQLEXPRESS
```

```
select @@version
```

```
go
```

*Step 7:* Finally, restart your computer after completing all the steps.

In summary, this article has shared with you the steps to install SQL Server 2019 Express Edition. After following these instructions, your SQL version will be installed and ready to use.

Additionally, if your computer runs Ubuntu, you can also refer to the instructions on how to install Microsoft SQL Server on Ubuntu [here](#).

You finished reading the article "**How to install SQL Server 2019 on Windows**" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.