

SQL Server Installation Guide

CS355/CE373 Database Systems
Fall 2024



Dhanani School of Science and Engineering
Habib University

Contents

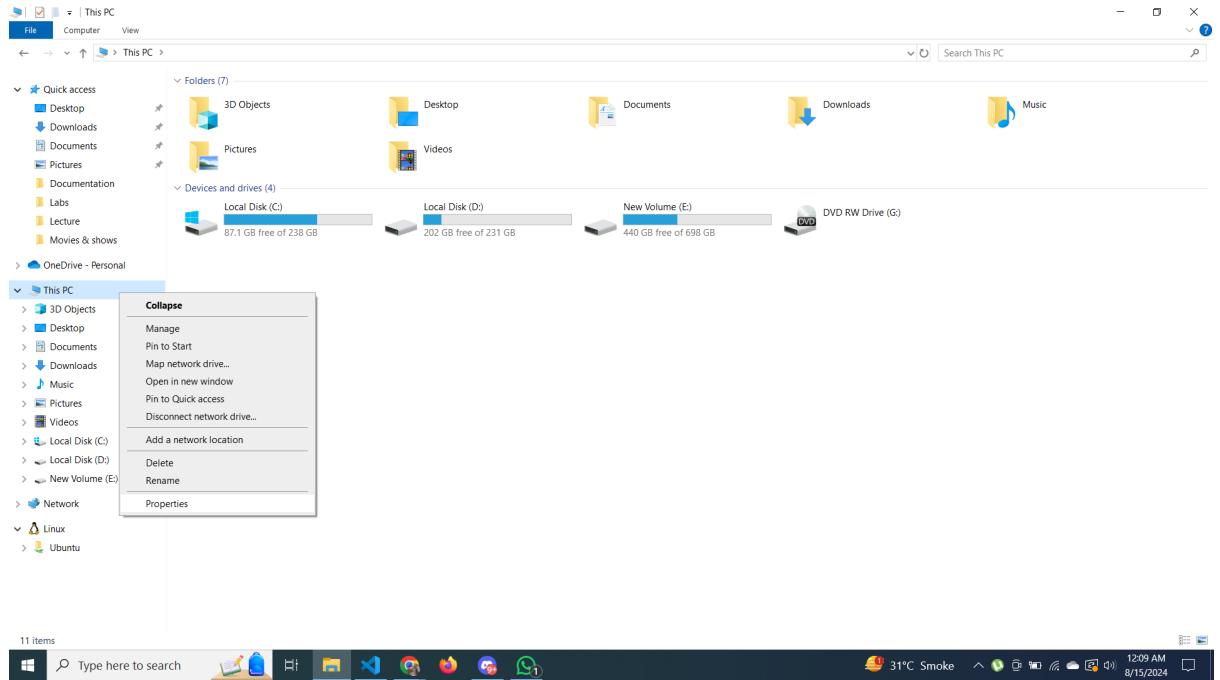
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1 Before Installation

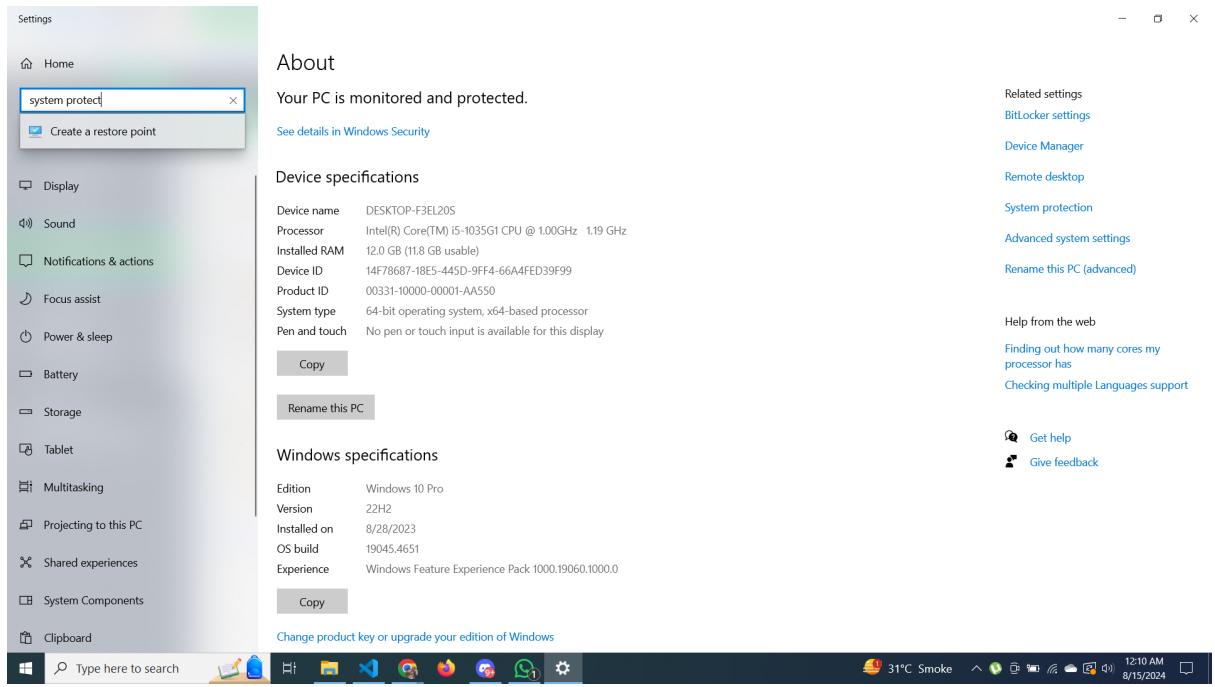
The guide is pretty straightforward, just make sure before you start the installation that you create a restore point which you can go back to in case something goes wrong during your installation.

2 Creating a Restore Point

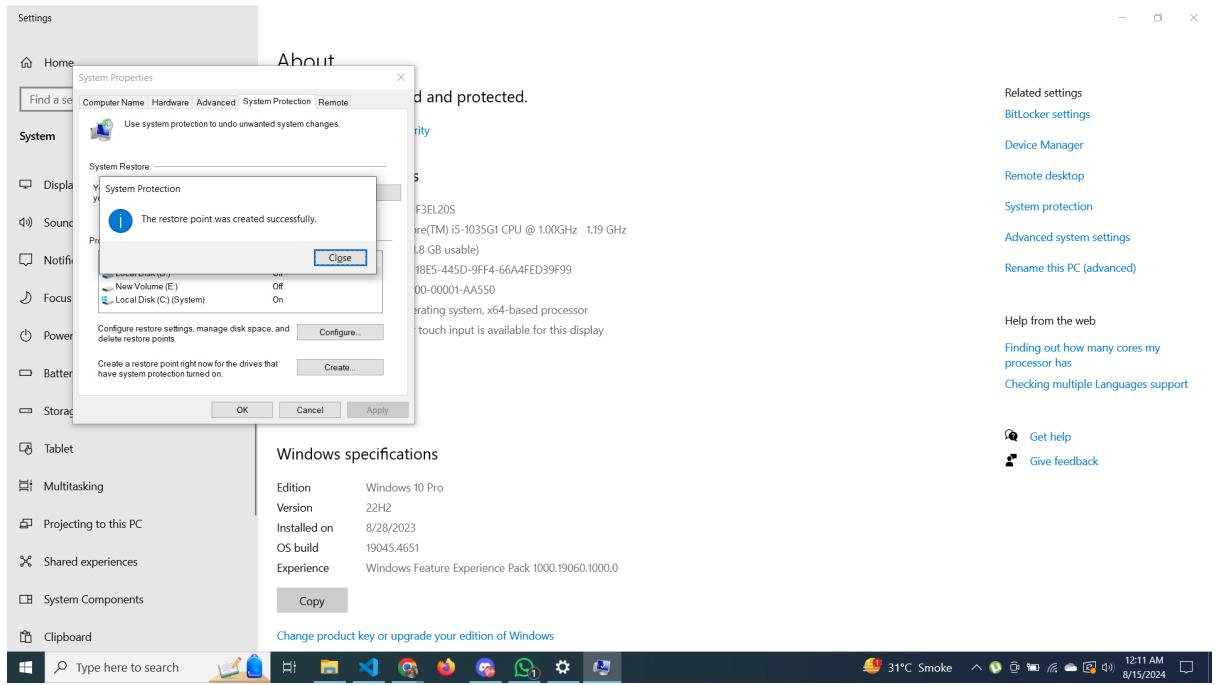
- Right-click on This PC and go to properties



- Select the System Protection Option
- Click on Create Button



- Name your restore point and click Ok

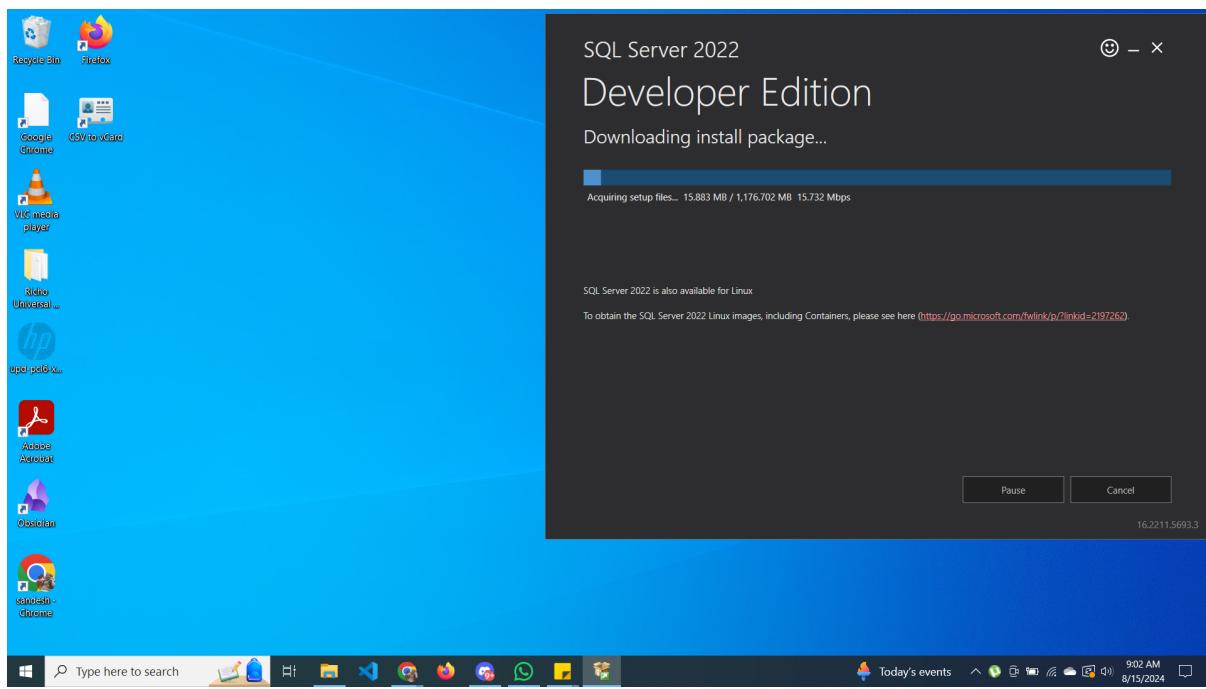


Also please ensure that your windows is up to date otherwise the installation will not start.

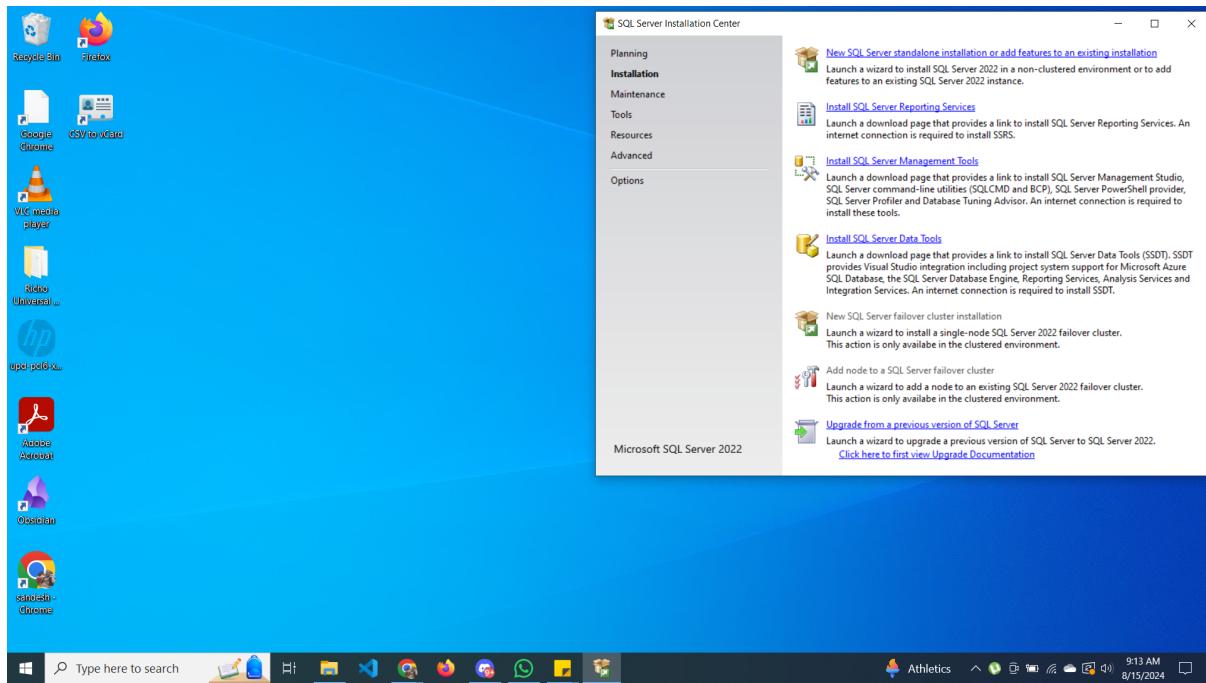
3 Download and Installation

You can download SQL Server Developer Edition by using this link

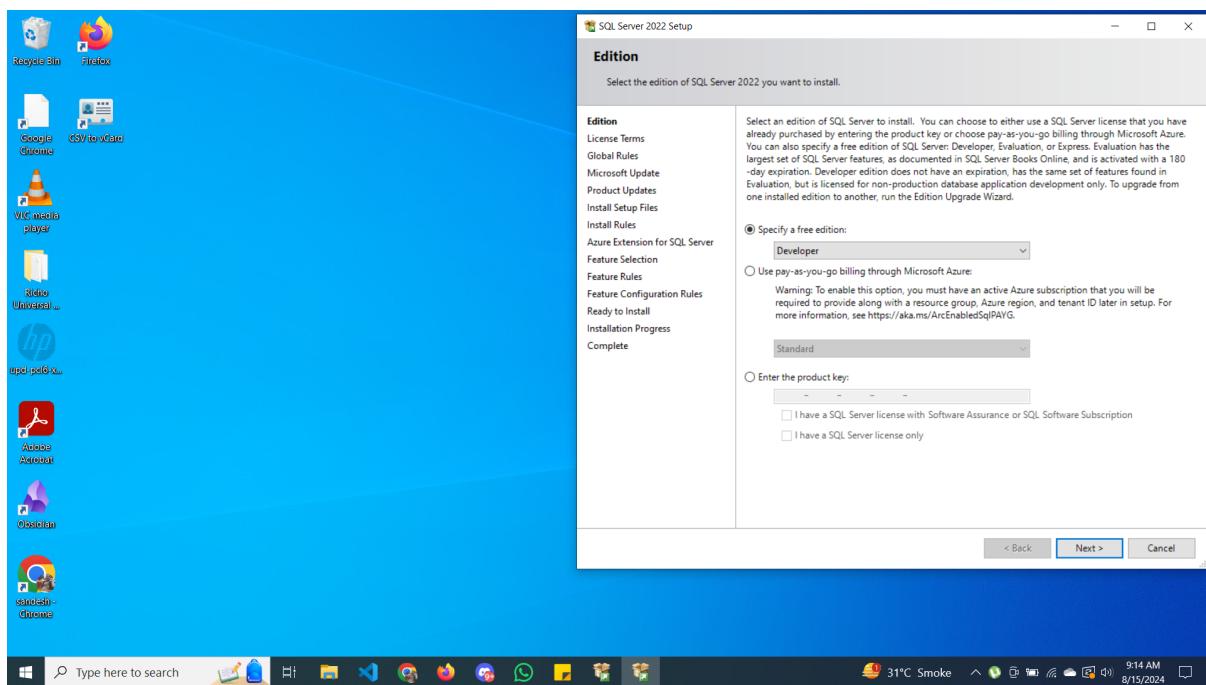
After Downloading, Open the .exe file and select Custom and then click on Install.



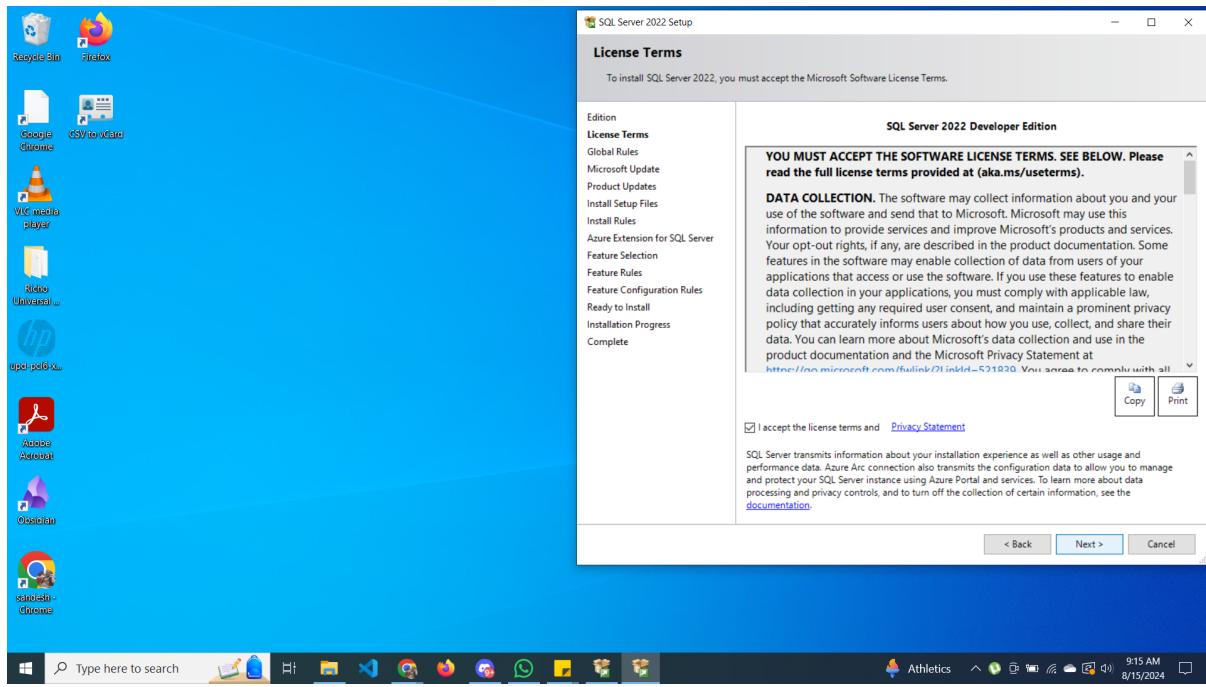
This will download the SQL Server to your PC. Once that is done, go to installation tab and click on New SQL server stand alone installation.



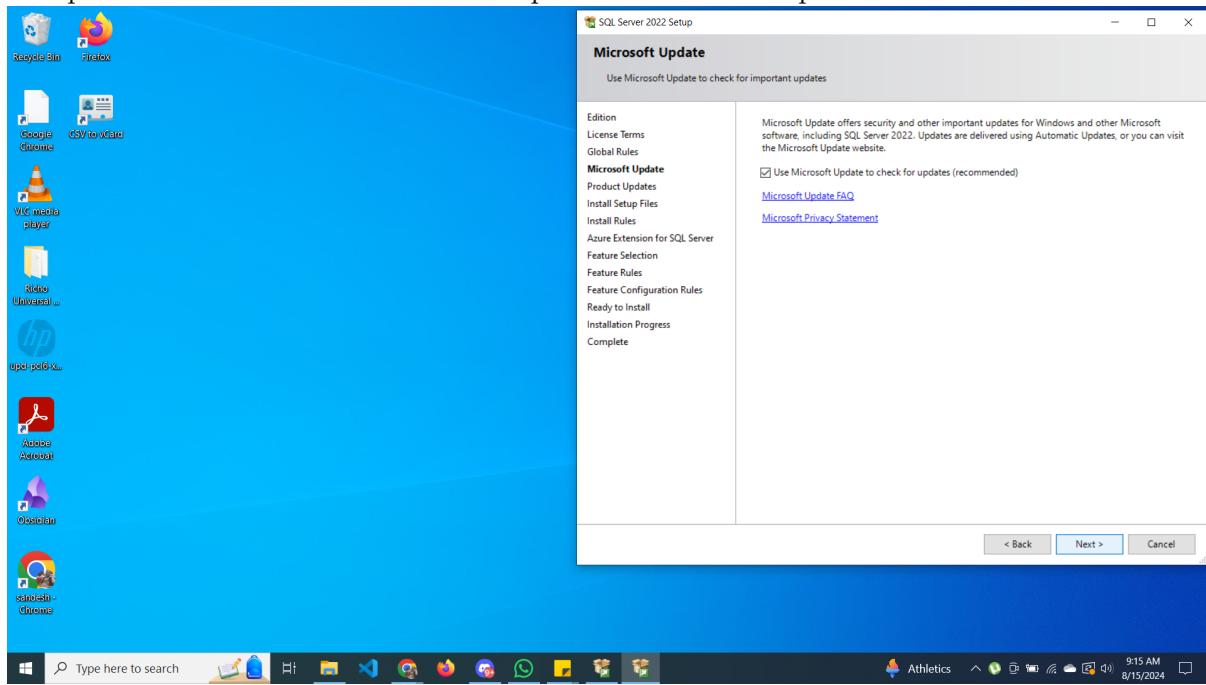
After selecting this you will see this window. Click Next Button given at bottom right.



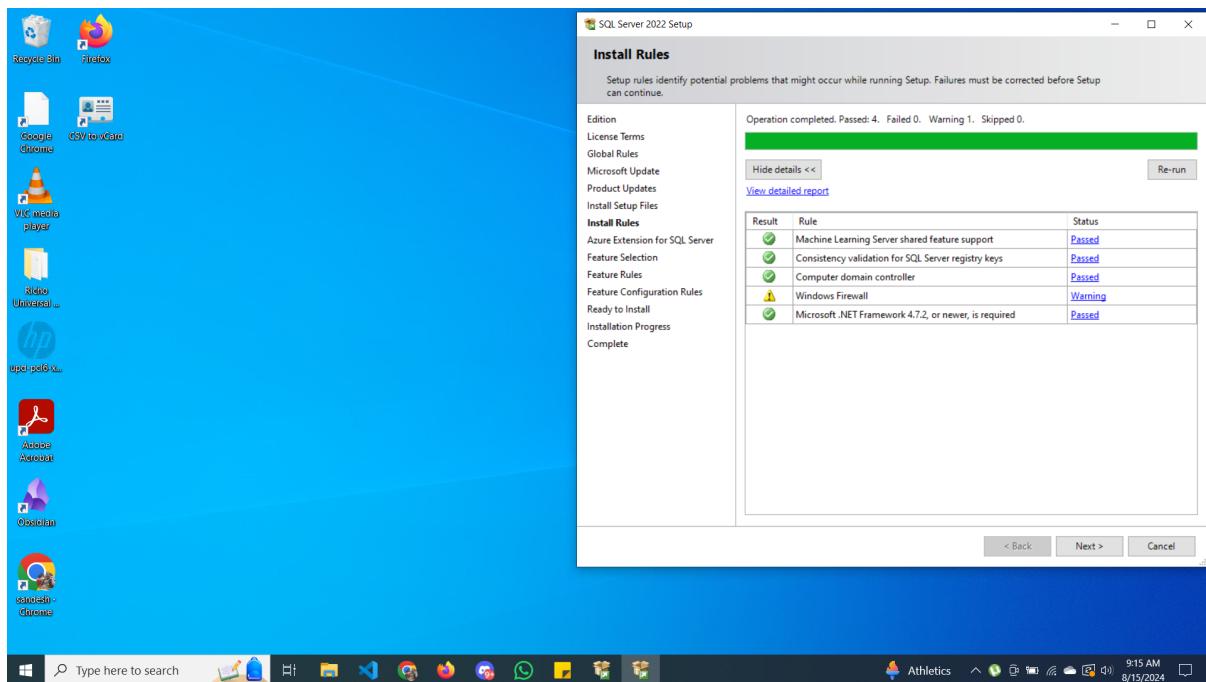
Accept the agreement and click on next



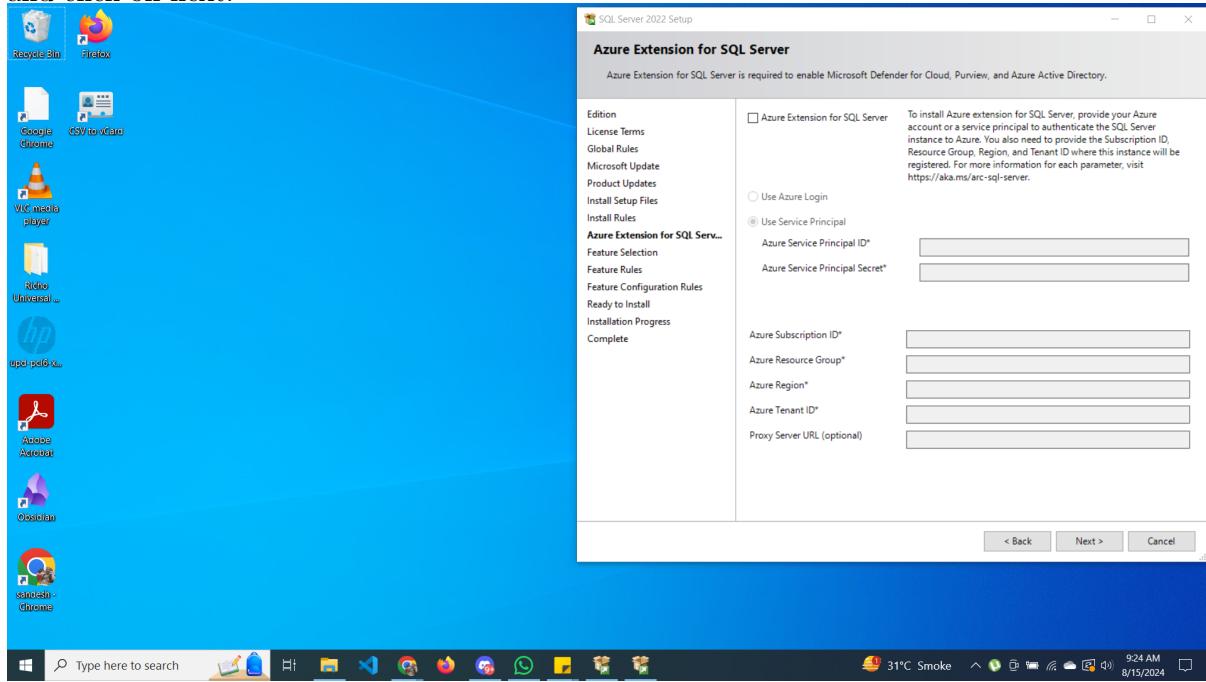
Accept the checkbox for Use Microsoft Updates to check for updates and click on next.



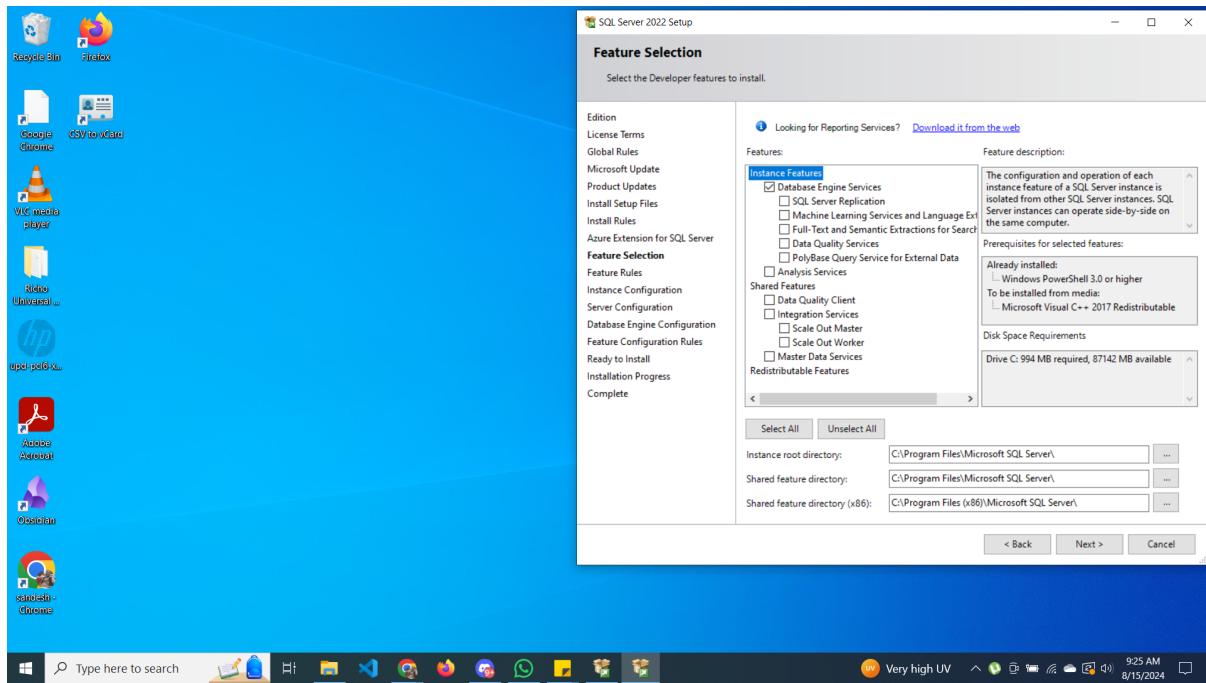
Click on next once you are on this page



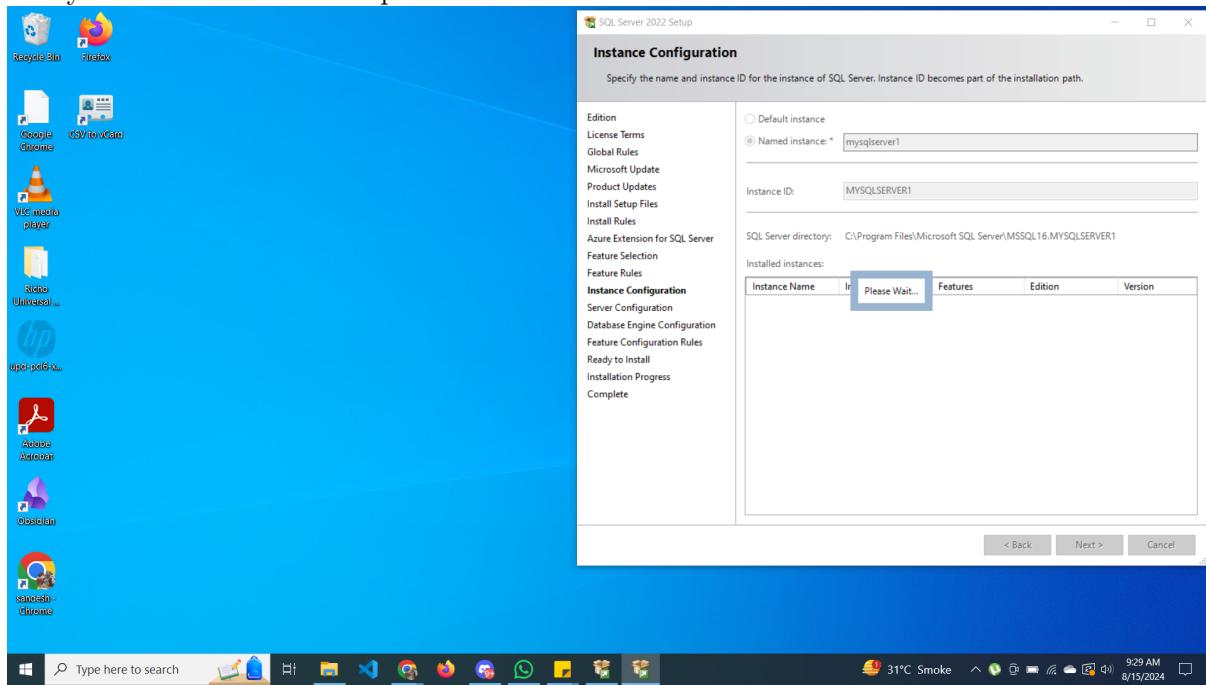
Once you reach the page given below, uncheck the Azure Extension for SQL Server checkbox and click on next.



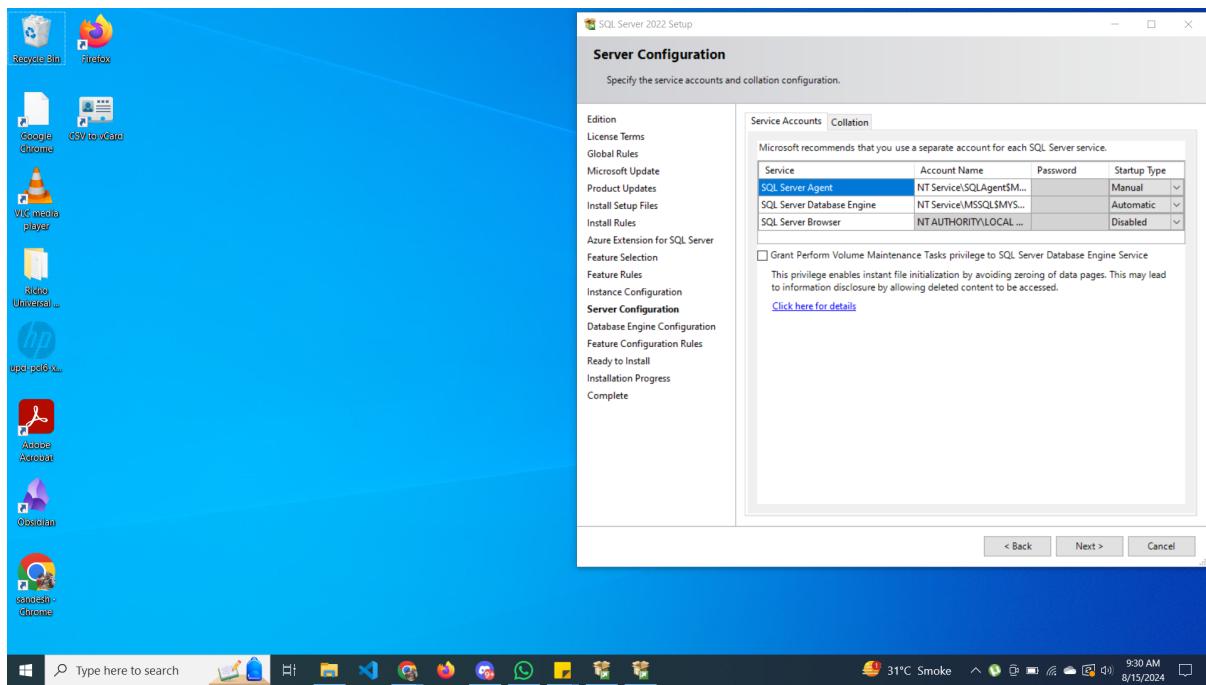
Once you reach the page given below, Select Database Engine Services and click on next.



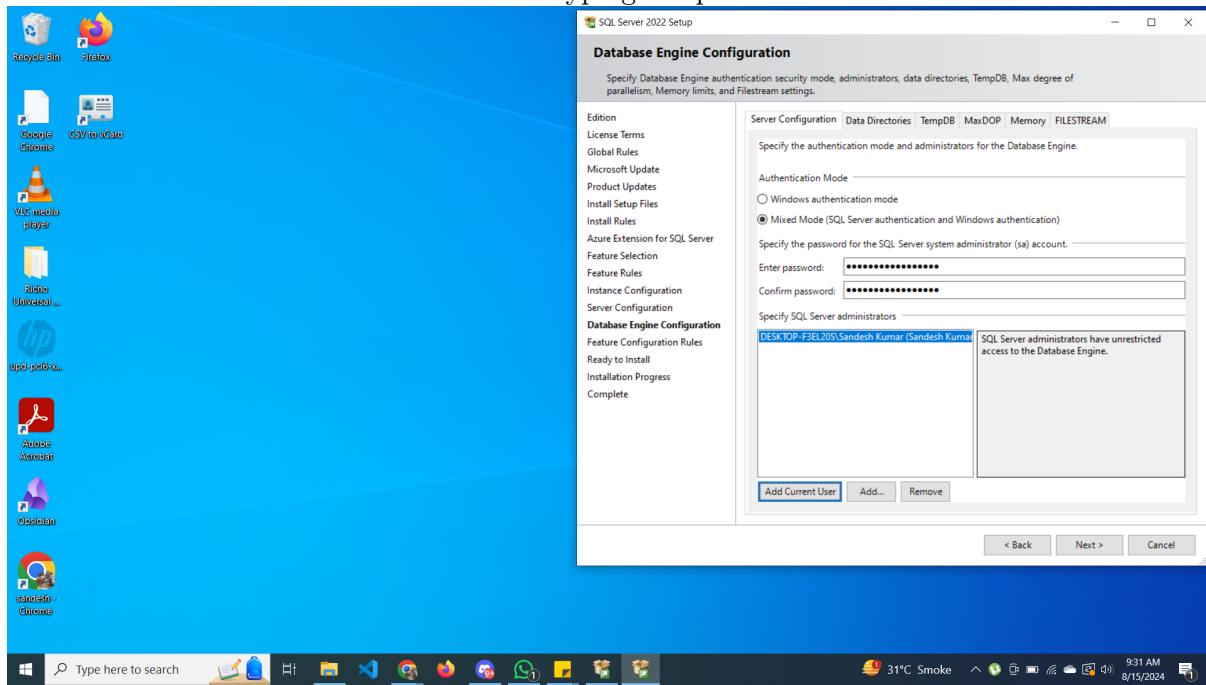
Once you reach the page given below, click on named instance and give your instance a name. In my case i have named it sqlserver1. Click next after that.



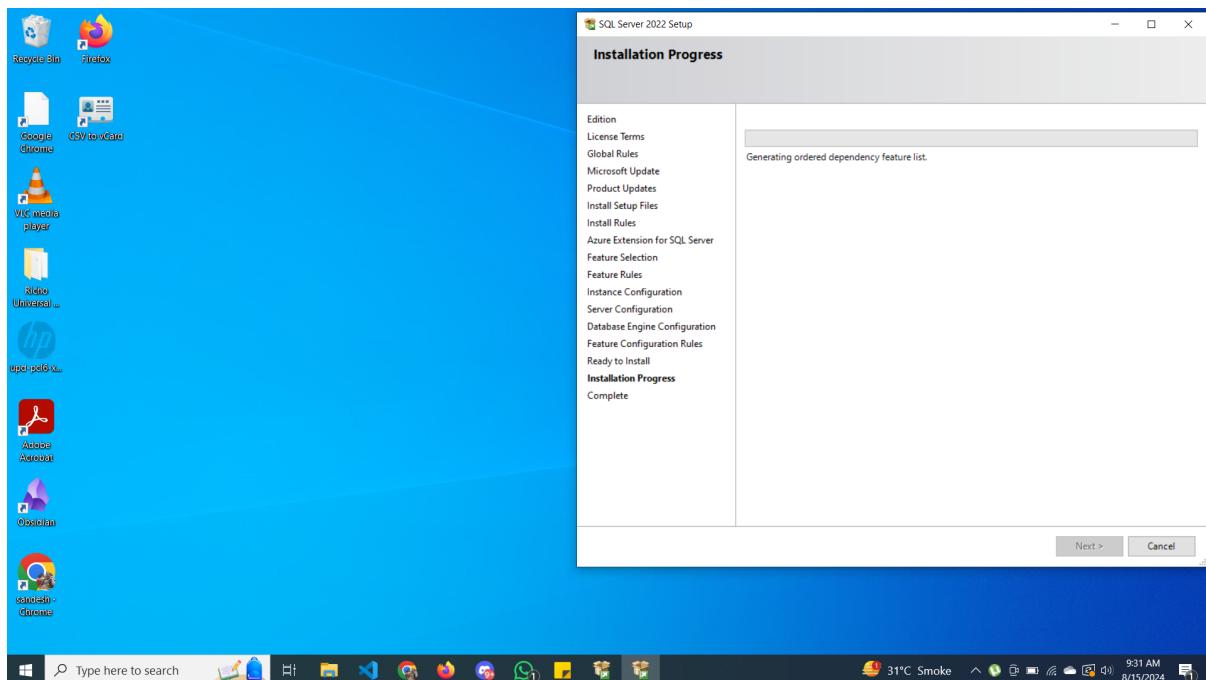
Click next on this page



Select mixed mode option on this page and set a password for your instance. Click on Add Current User after typing the password and then click on next.



Click on install after that. Once your installation is complete, don't close SQL Server Installation Center.



Next, navigate back to the SQL Server Installation Center and click on the Install SQL Server Management Tools option.

Planning

Installation

Maintenance

Tools

Resources

Advanced

Options

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 available 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 available 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](#)

Microsoft SQL Server 2022

Now scroll down and click on the Download SQL Server Management Studio (SSMS) 20.2 button to start downloading SSMS.

on your local computer or in the cloud.

For customers needing a cross-platform companion to SSMS for managing SQL and other Azure databases, use [Azure Data Studio](#).

For details and more information about what's new in this release, see [Release notes for SQL Server Management Studio \(SSMS\) 20.2](#).

Download SSMS

[Download SQL Server Management Studio \(SSMS\) 20.2](#)

SSMS 20.2 is the latest generally available (GA) version. If you have a *preview* version of SSMS 20 installed, uninstall it before installing SSMS 20.2. Installing SSMS 20.2 doesn't upgrade or replace SSMS 19.x and earlier versions.

- Release number: 20.2
- Build number: 20.2.30.0
- Release date: July 9, 2024

By using SQL Server Management Studio, you agree to its [license terms](#) and [privacy statement](#). If you have comments or suggestions or want to report issues, the best way to contact the SSMS team is at [SQL user feedback](#).

The SSMS 20.x installation doesn't upgrade or replace SSMS 19.x and earlier versions. SSMS 20.x installs alongside previous versions, so both versions are available. However, if you have an earlier *preview* version of SSMS 20 installed, you must uninstall it before installing the latest release of SSMS 20. You can see if you have a preview version by going to the [Help > About](#) window.

If a computer contains side-by-side installations of SSMS, verify you start the correct version for your specific needs. The latest version is labeled [Microsoft SQL Server Management Studio v20.2](#).

Training

[Explore SQL Server 2022 capabilities - Training](#)
[Explore SQL Server 2022 capabilities](#)

Certification

[Microsoft Certified: Azure Database Administrator Associate - Certifications](#)
 Administer an SQL Server database infrastructure for cloud, on-premises and hybrid relational databases using the Microsoft PaaS relational database.

Documentation

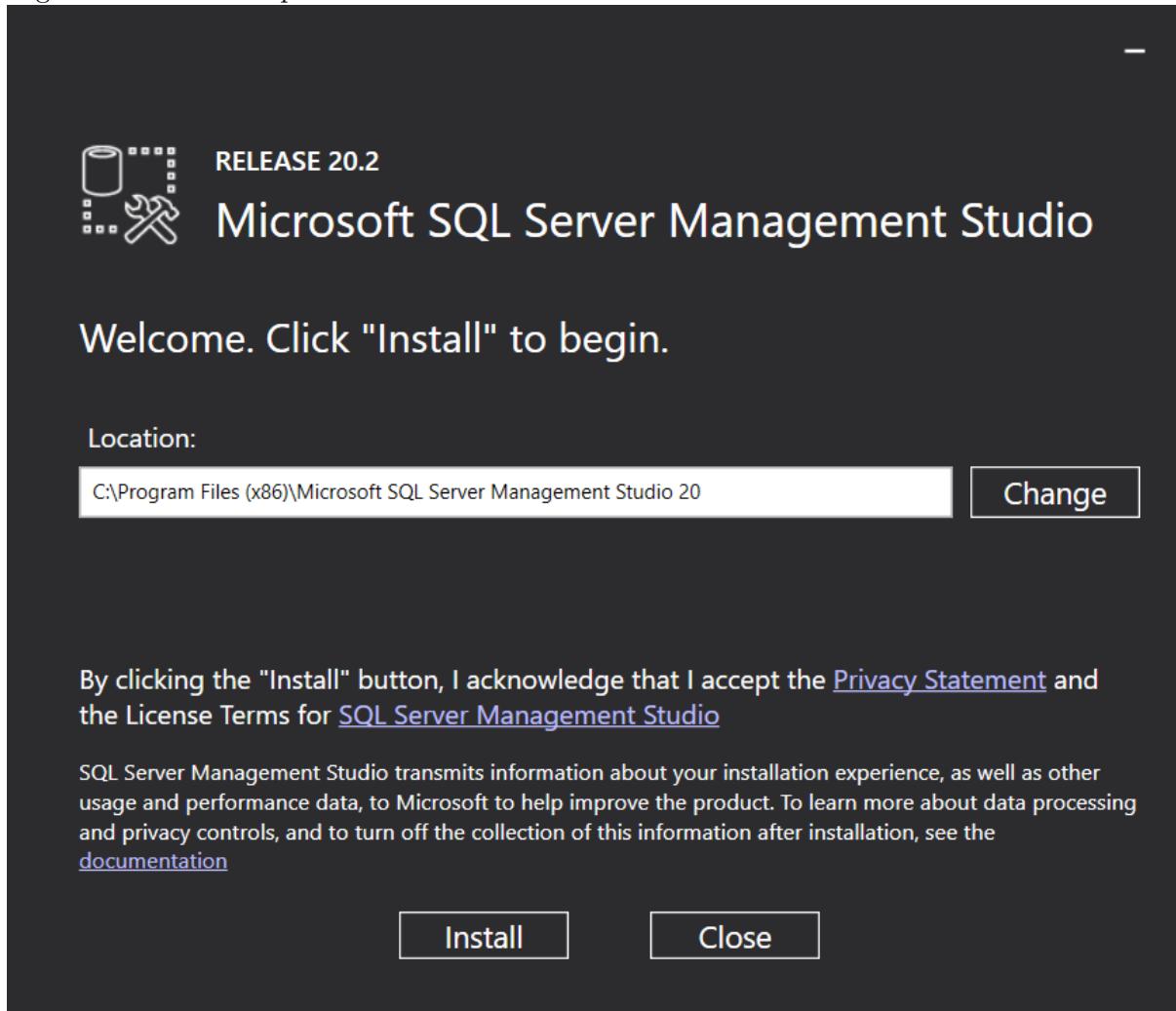
[Release notes for \(SSMS\) - SQL Server Management Studio \(SSMS\)](#)
[Release notes for SQL Server Management Studio \(SSMS\)](#)

[SQL Server Management Studio \(SSMS\) - SQL Server Management Studio \(SSMS\)](#)
 Learn details about SQL Server Management Studio (SSMS) and what SSMS can do, including how to manage Analysis Services Solutions.

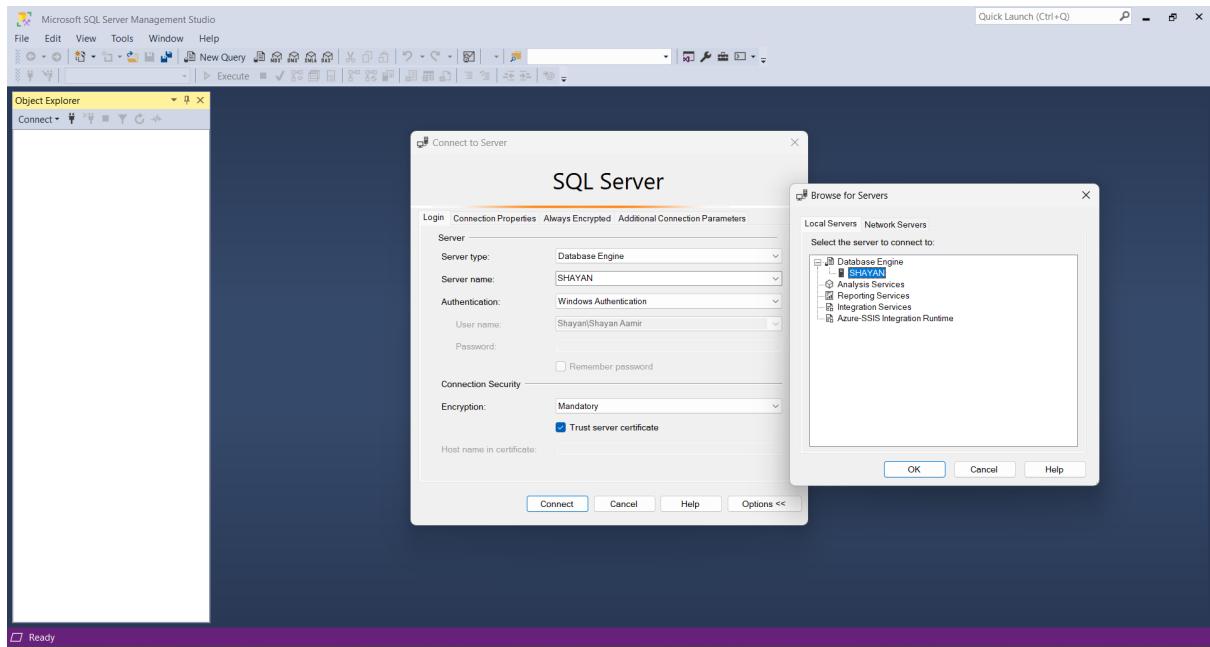
[SSMS setup failed or requires restart - SQL Server Management Studio \(SSMS\)](#)
 Troubleshooting SSMS installation problems

[Show 5 more](#)

Once the download is complete, open up the setup and simply click on the Install button to begin the installation process.



With this, SSMS is completely installed on your PC. Now click on the start menu button and open up SSMS. Here click on the Server Name combo box. This will open up the servers you have on your computer. Here, expand the Database Engine and select your SQL Server.



Once selected, click on the Connect button to launch your SQL server.