Installing SQL Server Express Edition (SSE) (Windows platform, English)

https://www.microsoft.com/en-us/sql-server/sql-server-downloads

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SQL Server 2019 Editions

- Express Edition Free (recommended for PROG8080)
 - Max memory 1GB, max database size: 10GB
 - <u>Free</u> and <u>legal</u> for development and <u>production</u> desktop & web apps
- Enterprise & Standard Edition complex licensing cost
 - Scalable, secure, high performance, clustered
- Developer Edition Free
 - Same as SQL Server Enterprise, less integration, analysis, & reporting services
 - ... for <u>development & test only</u>, <u>not production</u>
- (localDb)\MsSqlLocalDb Free, with SQL Express
 - Minimal subset of SQL Express, runs in user (individual) mode (not a server service)
- Azure SQL Server Microsoft's cloud service

Uninstalling SQL Server

(only for incorrect and older installations)

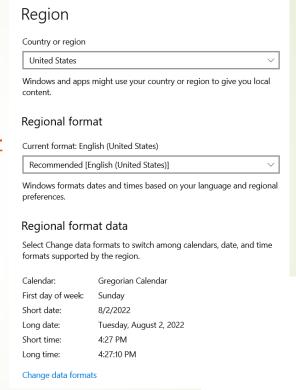
- Un-installing SQL Server in an incorrect sequence...
 - → will permanently lock it up ... can't use it, can't get rid of it
 - ... easiest fix: format the drive & re-install Windows (not ideal)

Correct procedure:

- Navigate to Settings from the Start menu and choose Apps.
- Select version of Microsoft SQL Server to remove.
- Select Uninstall.
- Select "Remove" on the dialog pop-up to launch the Microsoft SQL Server installation wizard.

Installing SQL Server Express (SSE)

- Set region settings to U.S.
- Save all work and restart computer
- Download the Express Edition
 - https://www.microsoft.com/en-us/sqlserver/sql-server-downloads
 - Save **SQL2019-SSEI-Expr.exe** to your local C: drive & then execute it
- Asks you where to save the uncompressed install files
 - You need this later to add/ remove features
 - ... and to uninstall SQL Server
 - Put it in the same folder as your download (e.g., C:\SQL2019)
 - Change the file-name to something pertinent





SQL Server 2019 Express is a free edition of SQL Server, ideal for development and production for desktop, web, and small server applications.

Download now >

SQL Server 2019

⊕ – ×

Express Edition

Select an installation type:

<u>B</u>asic

Select Basic installation type to install the SQL Server Database Engine feature with default configuration.

Custom

Select Custom installation type to step through the SQL Server installation wizard and choose what you want to install. This installation type is detailed and takes longer than running the Basic install.

<u>D</u>ownload Media

Download SQL Server setup files now and install them later on a machine of your choice.

Start the Installation

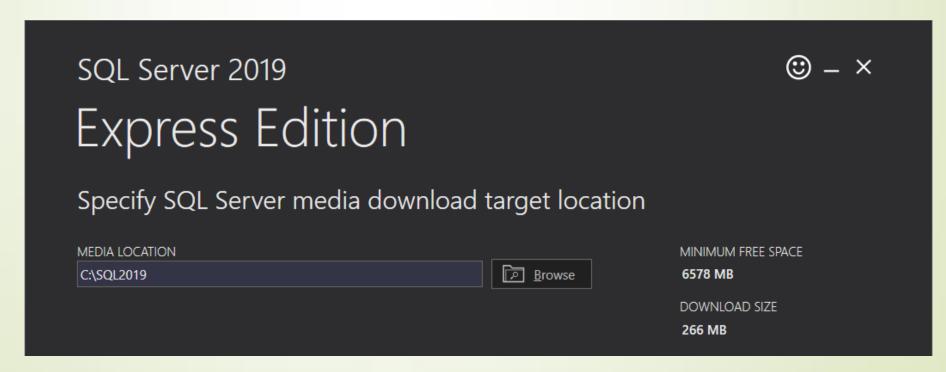
- Select Custom
- This option will allow changing the instance name to SQLEXPRESS19 later.

SQL Server 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

15.2204.5490.2

Location to download uncompressed files

- Media Location: C:\SQL2019
 - Click Install
- This downloads and un-compresses the real 800MB install
 - Option to copy the resulting folder to a USB drive
 - needed later to add/remove features or to uninstall SQL Server



SQL Server 2019



Express Edition

Downloading install package...

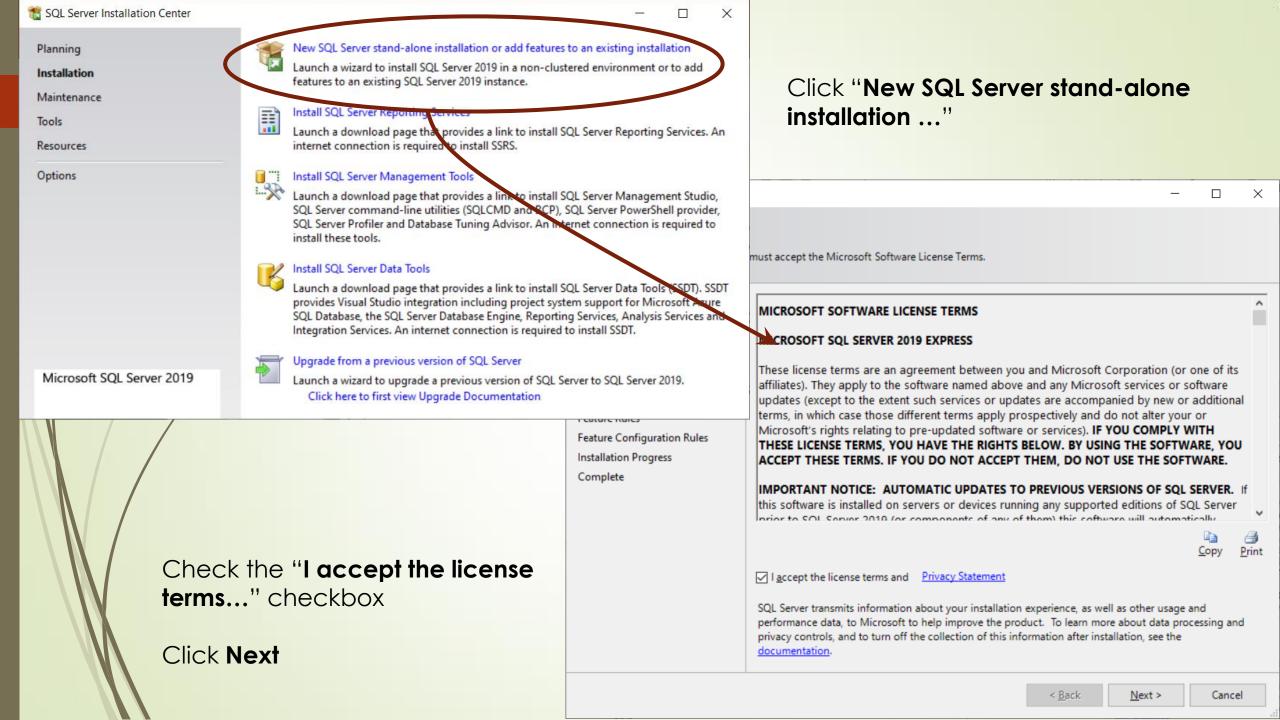
Acquiring setup files... 258.469 MB / 796.286 MB 65.571 Mbps

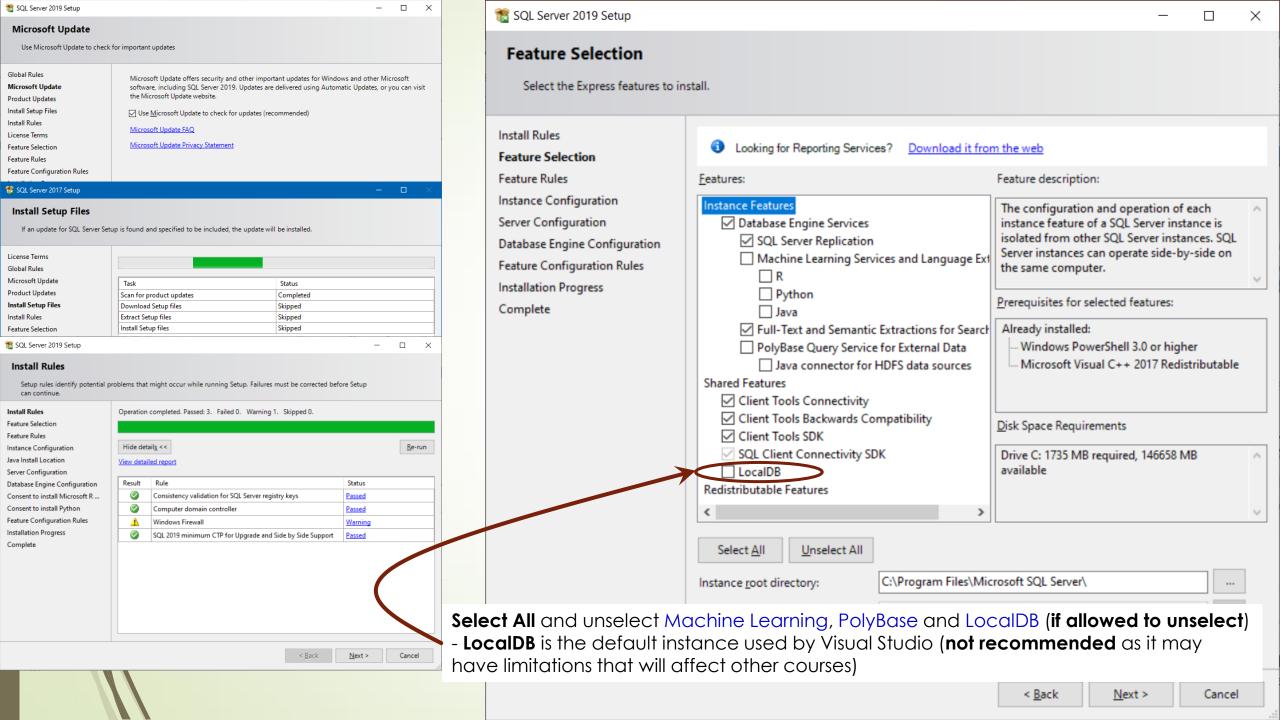
Getting Started with SQL Server

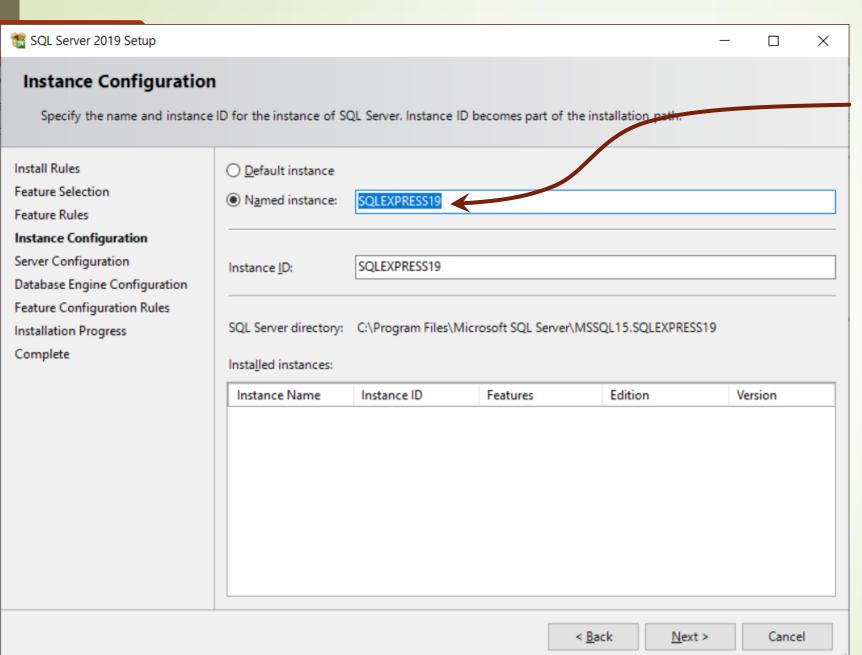
Thank you for installing Microsoft SQL Server. If you are connecting to SQL Server from a remote machine, then you need to complete the prerequisites mentioned in the "Before you get started" file located in the Resources folder.

Pause

Cancel

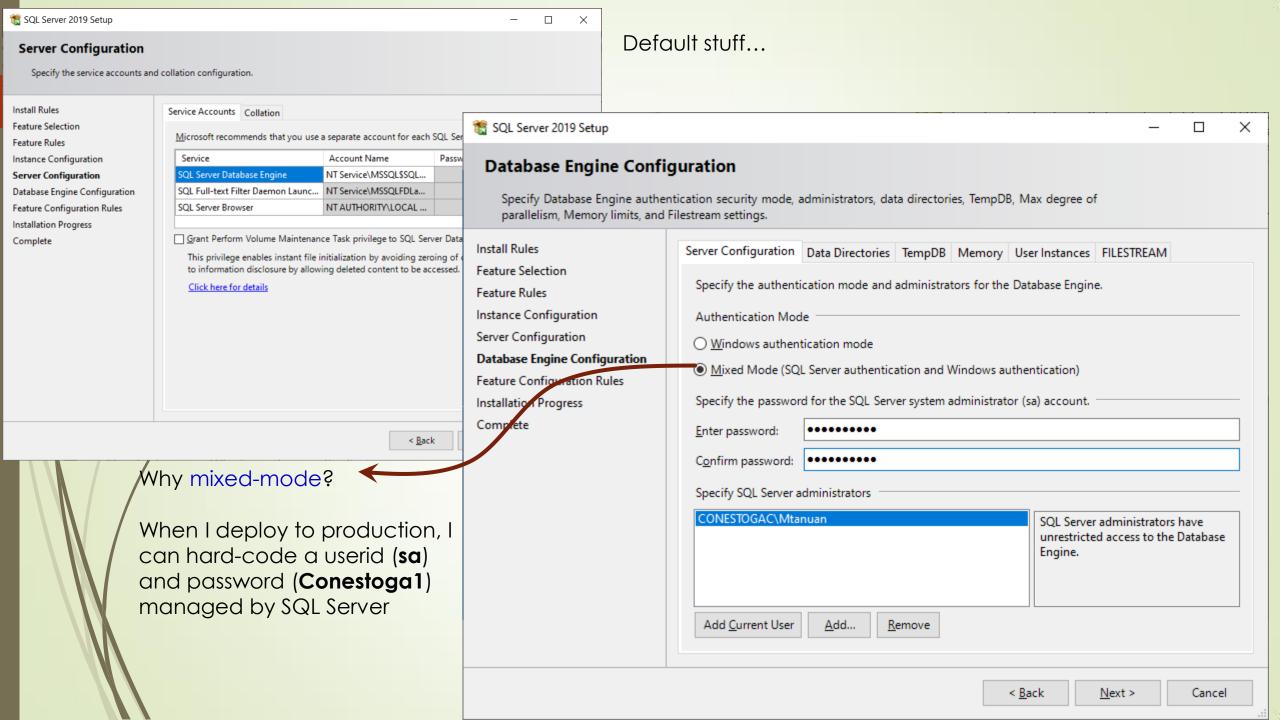


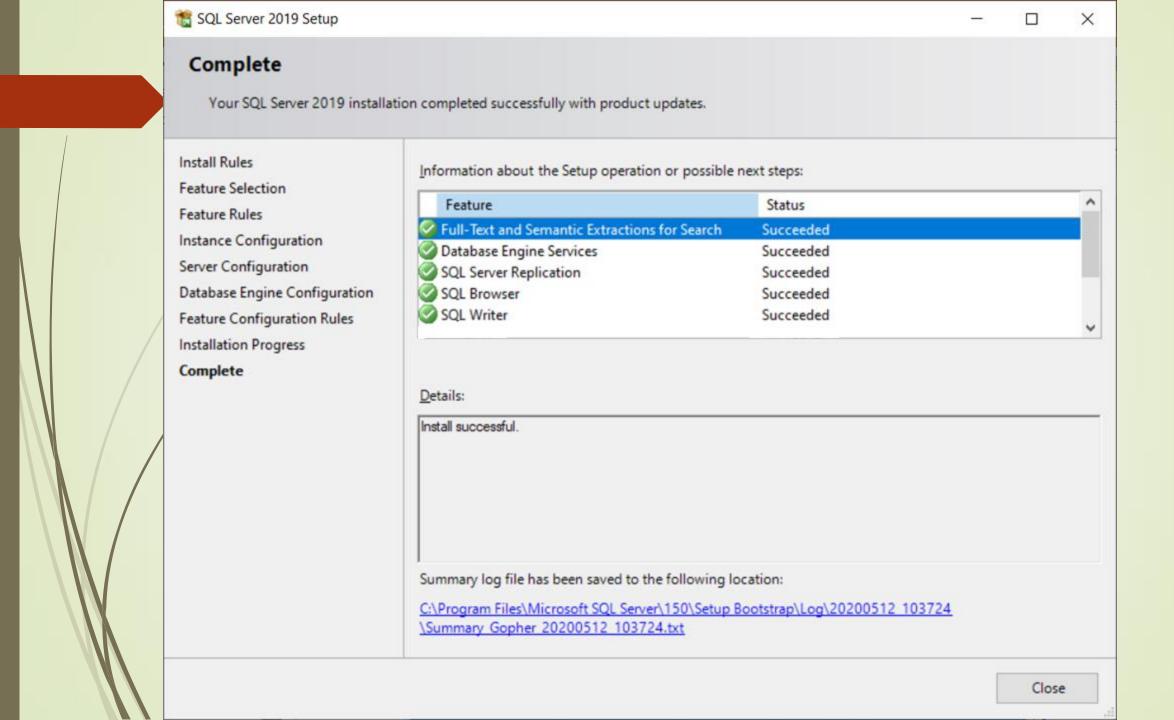




Append the version year (e.g., "19") to the default "SQLExpress" so that future versions of SQL Server Express will not have a name conflict.

- If possible, use ALL CAPS (e.g., SQLEXPRESS19)
- The Instance ID automatically gets updated





SQL Server Management Studio (SSMS)

Used to create, modify & install databases

Can also be used to manage databases on Microsoft's Azure cloud



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 (SQL CMD and BCP), SQL Server PowerShell provider, SQL Server Profiler and Database Tuning Advisor. An internet connection is required to install these tools.



Launch a download page that provides a link to install SQL Server Data Tools (SSDT). SS 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.

Upgrade from a previous version of SQL Server

Launch a wizard to upgrade a previous version of SQL Server to SQL Server 2019. Click here to first view Upgrade Documentation

Run SETUP.EXE

Tools

Resources

Options

Microsoft SQL Server 2019

C:\SQL2019\ExpressAdv ENU

Select Install SQL Server Management Tools link

Download and execute the latest 18.x...

- SSMS-Setup-ENU.exe
- They support all versions of SQL Server since 2008 and all editions ... Enterprise, Standard, Express & LocalDB

- > Installation
- > Migrate & load data
- > Manage, monitor, & tune
- > Query data
- > Reporting & Analytics
- > Security
- Tools

Overview

Azure Data Studio >

- > Command prompt utilities
- > Database Tuning Advisor (DTA)
- > Distributed Replay

Go-SQLCMD

> SQL Server Configuration Manager

Develop 🗸 Administer 🗸 Analyze 🗸 Reference 🗸

Docs / SQL / Tools /







Download SQL Server Management Studio (SSMS)

Article • 06/21/2022 • 7 minutes to read • 42 contributors



Applies to:

SQL Server (all supported versions)

Azure SQL Database

Azure SQL Managed Instance Azure Synapse Analytics

SQL Server Management Studio (SSMS) is an integrated environment for managing any SQL frastructure, from SQL Server to Azure SQL Database. SSMS provides tools to configure, monitor, and administer instances of SQL Server and databases. Use SSMS to deploy, monitor, and upgrade the data-tier components used by your applications, and build queries and scripts.

Use SSNS to query, design, and manage your databases and data warehouses, wherever they are on your local computer, or in the cloud.

Download SSMS

To download SSMS 19 Preview 2, visit Download SSMS 19.



Free Download for SQL Server Management Studio (SSMS) 18.12.1 ☑

SSMS 18.12.1 is the latest general availability (GA) version. If you have a previous GA version of SSMS 18 installed, installing SSMS 18.12.1 upgrades it to 18.12.1.

 Release number: 18.12.1 Build number: 15.0.18424.0

Release date: June 21, 2022

Test Connect to SQL Server Express 2019

- At the end of the SSE install process, install SQL Server Management Studio (SSMS) by clicking the button in the dialog
- Once all is installed, you can type ssms into the Windows 10 search text to start the Management Studio application
- Once running, it will show a connection dialog.
 - Server type: Database Engine
 - Şerver name: localhost\SQLEXPRESS19
 - Authentication: **SQL Server Authentication**
 - Login/Password: sa/Conestoga1
 - Check: Remember password
 - Click Connect
 - SQL Server Management Studio window appears

