

CT042-3-1 & Introduction to Database

Installation

Install SQL Server Window

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

Or, download a free specialized edition



Developer

SQL Server 2022 Developer is a full-featured free edition, licensed for use as a development and test database in a non-production environment.

[Download now](#)

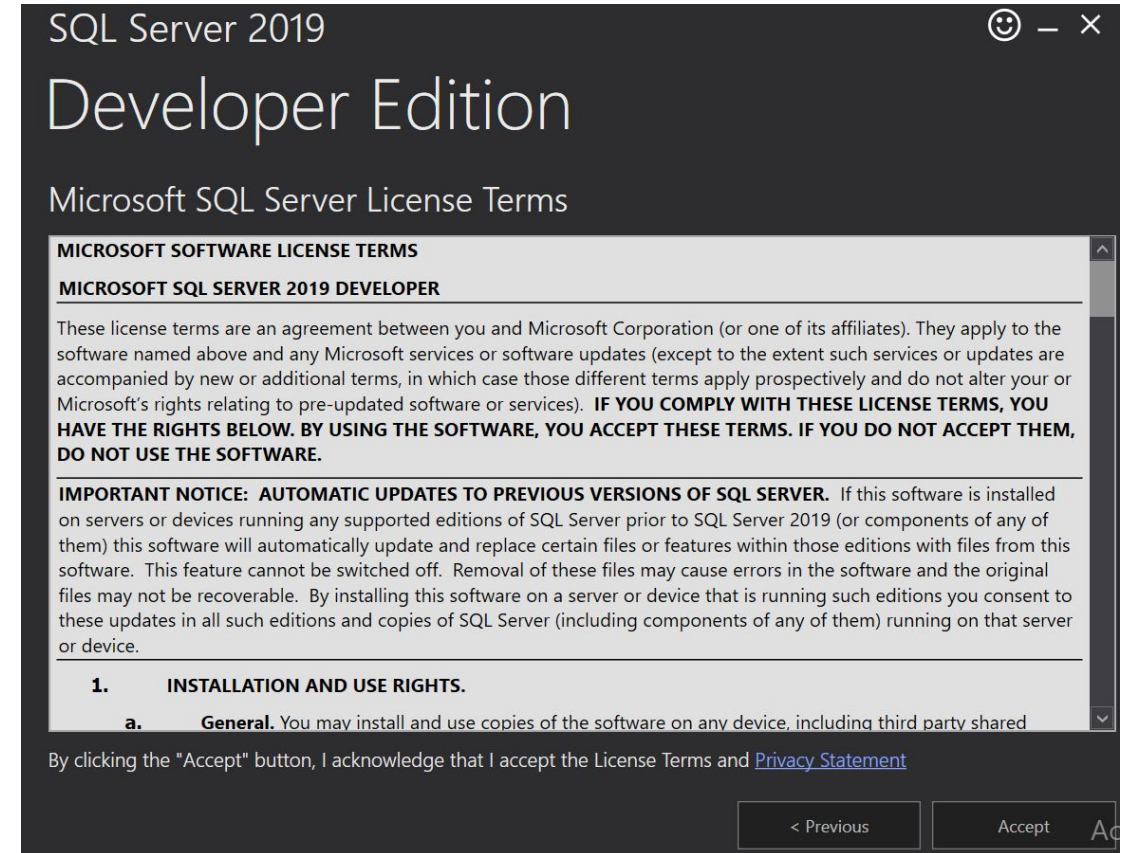
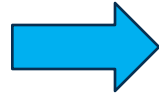
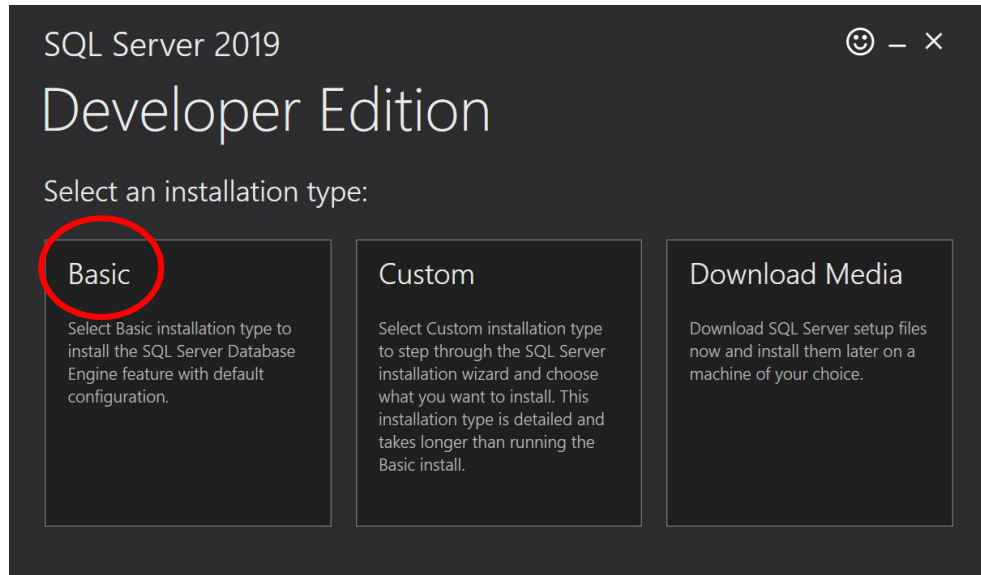


Express

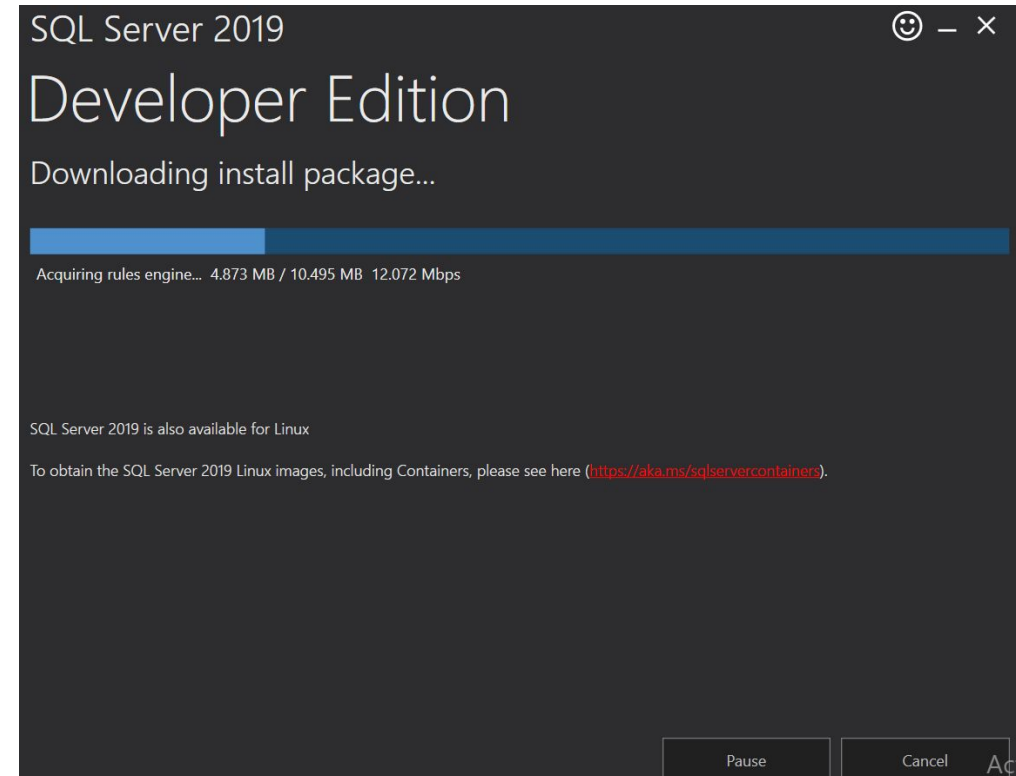
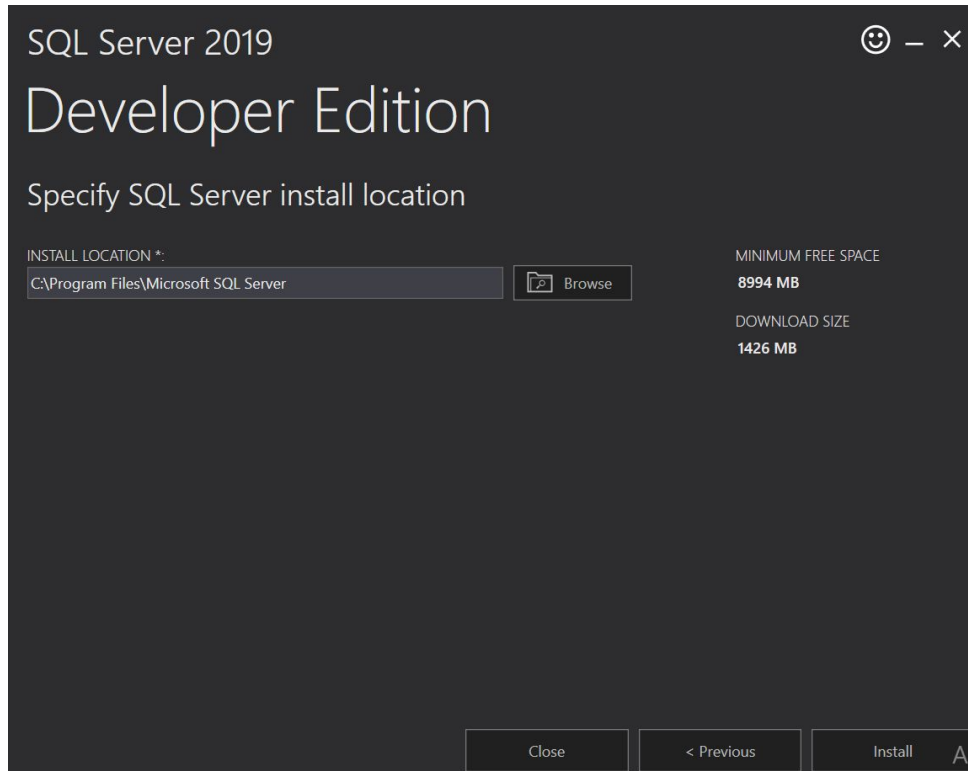
SQL Server 2022 Express is a free edition of SQL Server, ideal for development and production for desktop, web, and small server applications.

[Download now](#)

Install SQL Server (Cont.)



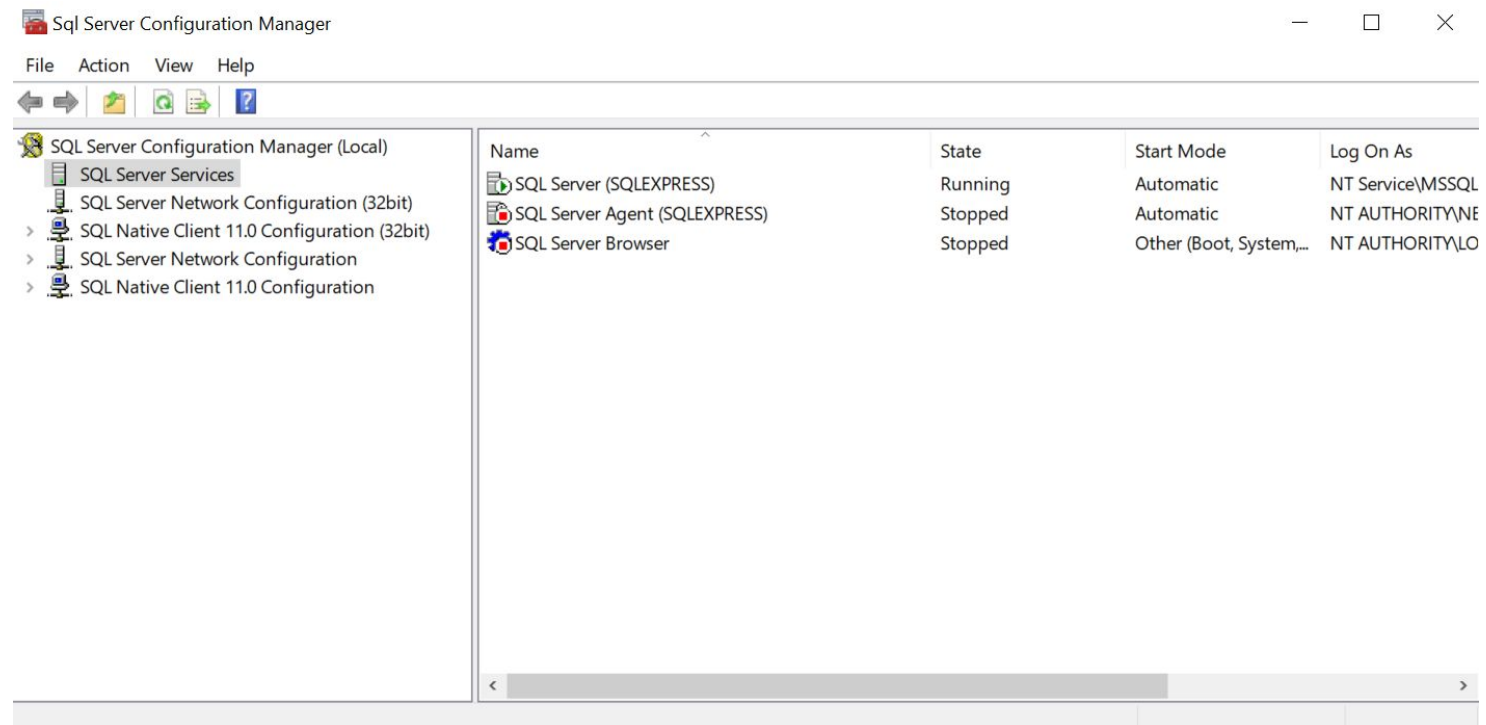
Install SQL Server (Cont.)



Install SQL Server (Cont.)

- Search “SQL Server 2022 Configuration Manager”

 **Sql Server Configuration Manager**



Install DBMS

<https://learn.microsoft.com/en-us/sql/ssms/download-sql-server-management-studio-ssms?view=sql-server-ver16>

Version

SQL Server 2022

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(331113)

Download SSMS

Release notes

> Overview

> Quickstarts

> Tutorials

> Concepts

Download SSMS

↓ [Free Download for SQL Server Management Studio \(SSMS\) 19.1](#)

SSMS 19.1 is the latest general availability (GA) version. If you have a *preview* version of SSMS 19 installed, you should uninstall it before installing SSMS 19.1. If you have SSMS 19.x installed, installing SSMS 19.1 upgrades it to 19.1.

- Release number: 19.1
- Build number: 19.1.56.0
- Release date: May 24, 2023

Additional resources

Documentation

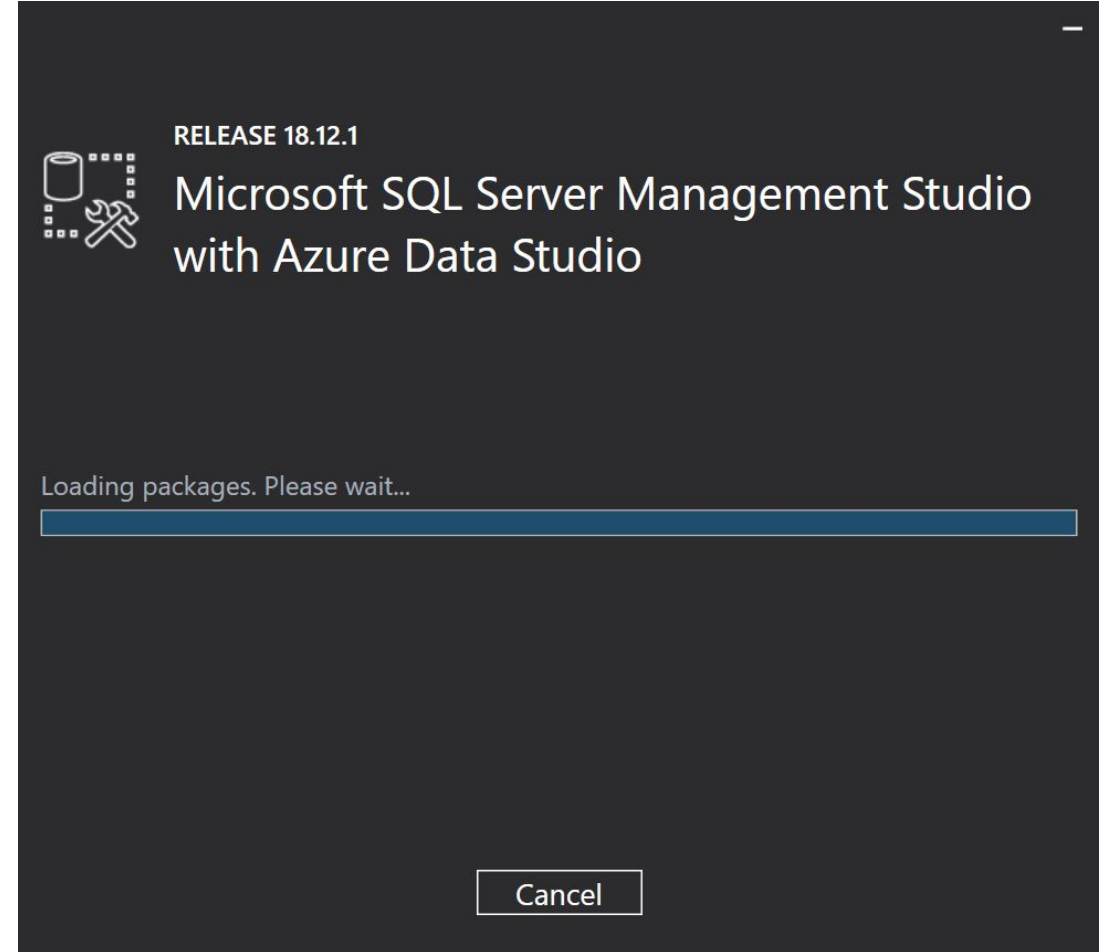
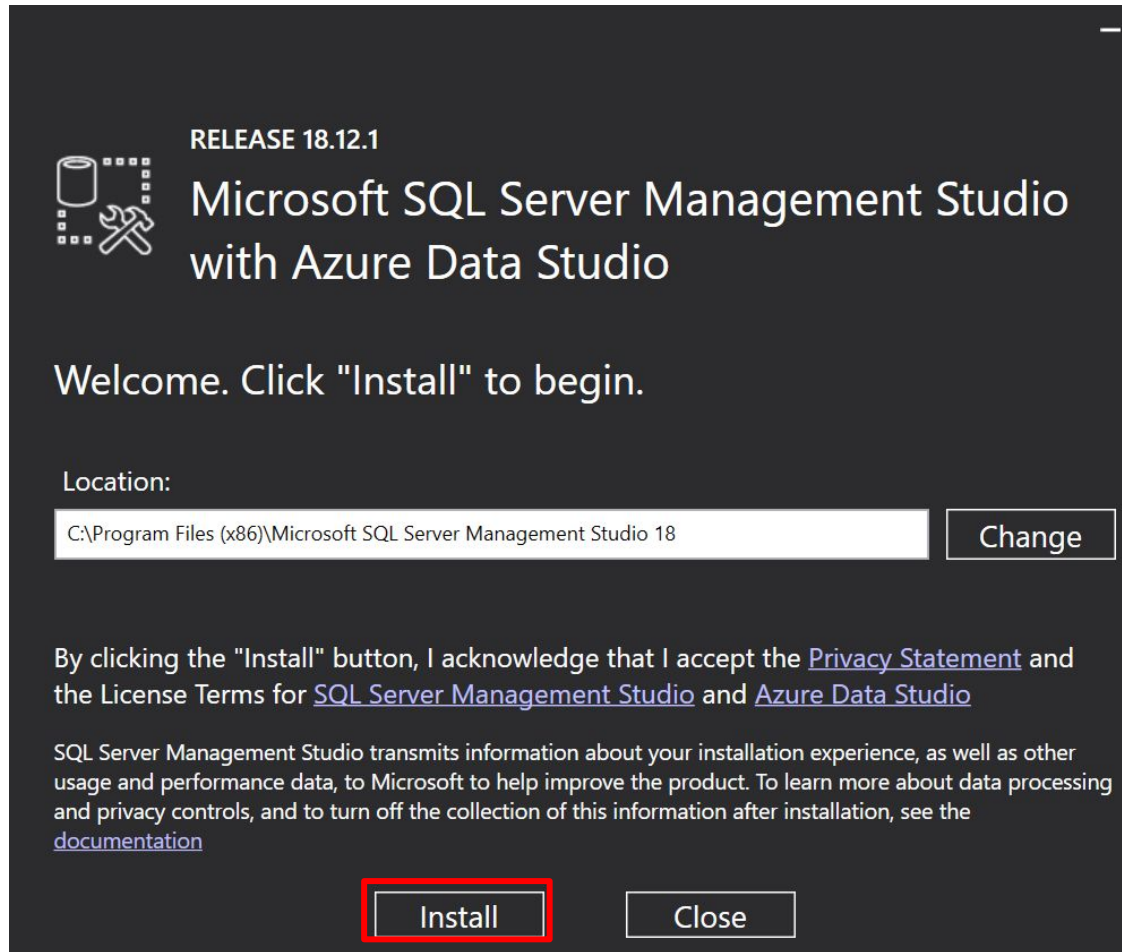
[Create a New Registered Server - SQL Server Management Studio \(SSMS\)](#)

Create a New Registered Server (SQL Server Management Studio)

[Connect to Server \(Connection Properties Page\) Database Engine - SQL Server Management Studio \(SSMS\)](#)

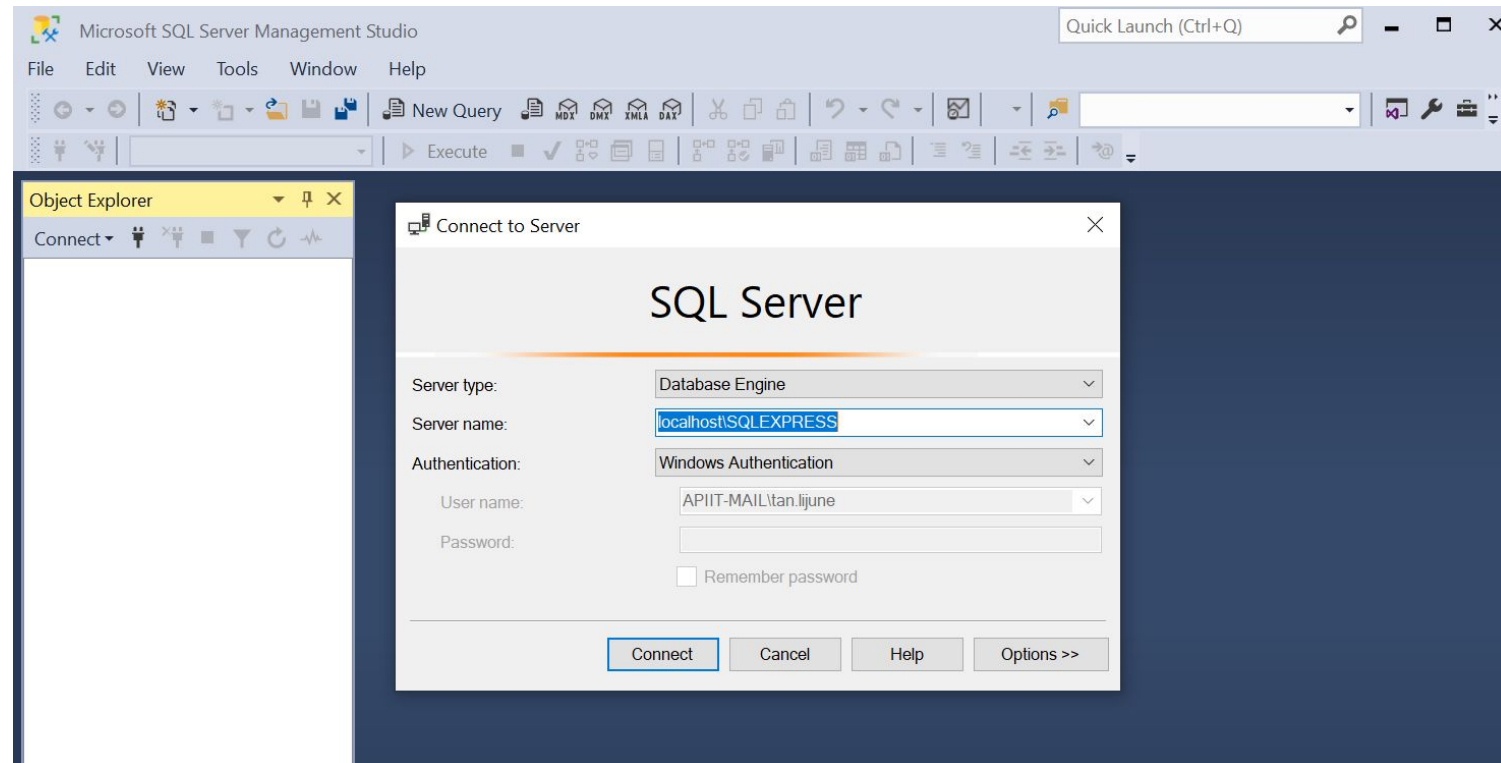
Connect to Server (Connection Properties

Install DBMS (Cont.)



Launch DBMS

- Search “SQL Server Management Studio”



Installation for Mac

- You may refer to:

<https://phoenixnap.com/kb/install-sql-server-macos#install-and-configure-docker>

Install Docker

<https://docs.docker.com/desktop/install/mac-install/>



The screenshot shows the Docker Docs website. The top navigation bar is blue with the Docker logo and 'docker docs' text, followed by a search bar and links for Home, Guides, Manuals, Reference, Samples, and Contribute. Below the navigation bar is a breadcrumb trail: Home / Manuals / Docker Desktop / Install Docker Desktop / Install on Mac. The left sidebar shows a tree view of the Docker Desktop documentation, with 'Install on Mac' selected. The main content area has the title 'Install Docker Desktop on Mac' and a sub-header 'This page contains information about system requirements, download URLs, and instructions on how to install Docker Desktop for Mac.' Below this are two blue buttons: 'Docker Desktop for Mac with Intel chip' and 'Docker Desktop for Mac with Apple silicon'. A note mentions 'For checksums, see Release notes.' and there is a link for 'Docker Desktop terms'. The right sidebar shows 'Contents' with a toggle switch, 'Page details' (5 minute read, Edit this page, Request changes), and 'Tags' (docker for mac, install docker macos, docker mac, docker mac install, docker install macos, install docker on mac, install docker macbook, docker desktop for mac, how to install docker on mac, setup docker on mac).

Download SQL Server image (Window Chip)

- Step 1: Open terminal and run the code “sudo docker pull mcr.microsoft.com/mssql/server:2019-latest”
- Step 2: run the code “docker run -d --name example_sql_server -e 'ACCEPT_EULA=Y' -e 'SA_PASSWORD=Strong.Pwd-123' -p 1433:1433 mcr.microsoft.com/mssql/server:2019-latest”
 - Username: sa
 - Password: Strong.Pwd-123

Download SQL Server image (Mac Chip)


- Step 1: Open terminal and run the code “docker pull mcr.microsoft.com/azure-sql-edge”
- Step 2: sudo docker run --cap-add SYS_PTRACE -e 'ACCEPT_EULA=Y' -e 'MSSQL_SA_PASSWORD=Strong.Pwd-123' -p 1433:1433 --name sqledge -d mcr.microsoft.com/azure-sql-edge
 - Username: sa
 - Password: Strong.Pwd-123

Install DBMS

<https://learn.microsoft.com/en-us/sql/azure-data-studio/download-azure-data-studio?view=sql-server-ver16&tabs=redhat-install%2Credhat-uninstall>

Version

SQL Server 2022 ▼













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Azure Data Studio documentation

Download Azure Data Studio

Release notes

> Overview
 > Quickstarts
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 > Concepts

Platform	Type	Download		
Windows	User Installer	64-bit 	ARM64 	
	System Installer	64-bit 	ARM64 	
	.zip	64 bit 	ARM64 	
Linux	.tar.gz	64-bit 		
	.deb	64-bit 		
	.rpm	64-bit 		
macOS	.zip	Universal 	Intel Chip 	Apple Silicon 

Additional resources

Documentation

[Quickstart: Connect and query SQL Server - Azure Data Studio](#)

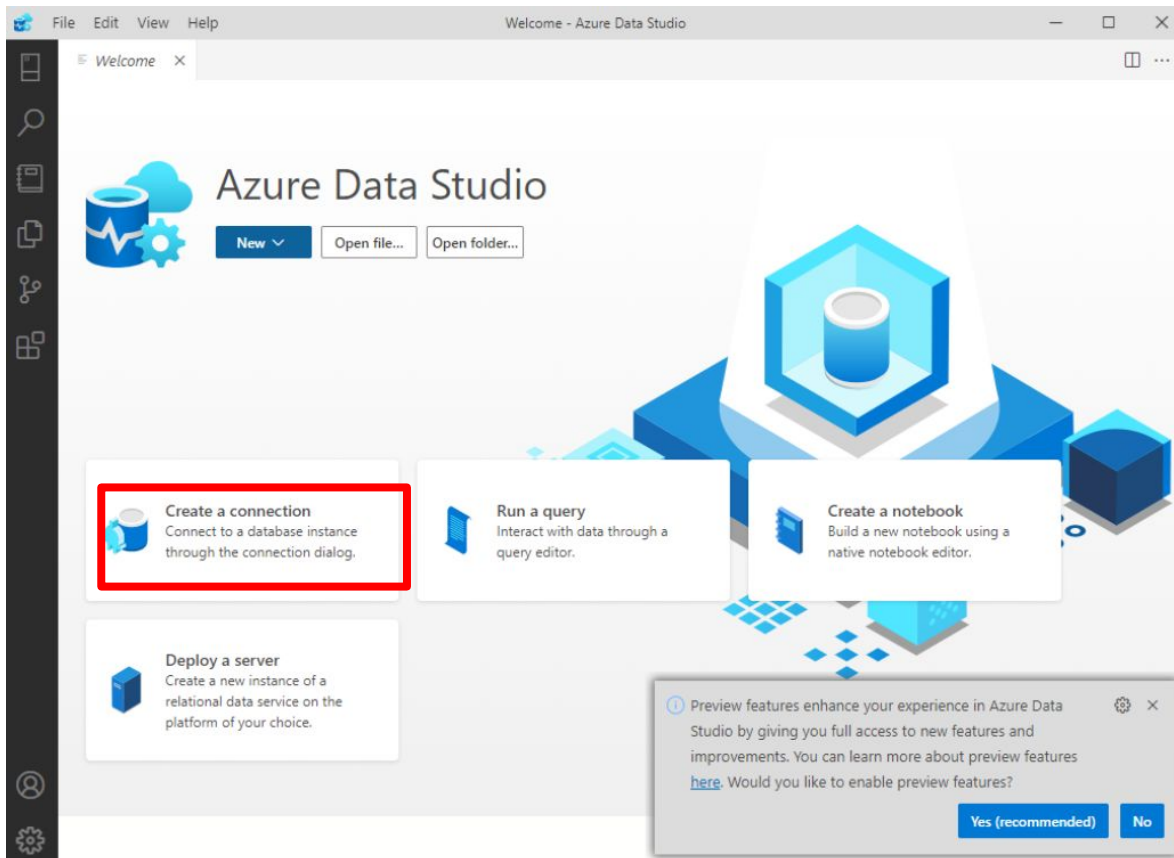
Do a quickstart in which you use Azure Data Studio to connect to SQL Server and then use Transact-SQL (T-SQL) statements to...

[Preview features in Azure Data Studio - Azure Data Studio](#)

Learn more about Azure Data Studio

Launch DBMS

- Search “Azure Data Studio”



Connection Details

Connection type	Microsoft SQL Server
Server	localhost
Authentication type	SQL Login
User name	username
Password	password
	<input type="checkbox"/> Remember password
Database	
Server group	
Name (optional)	

Advanced...

Connect Cancel