

Course prerequisite setup

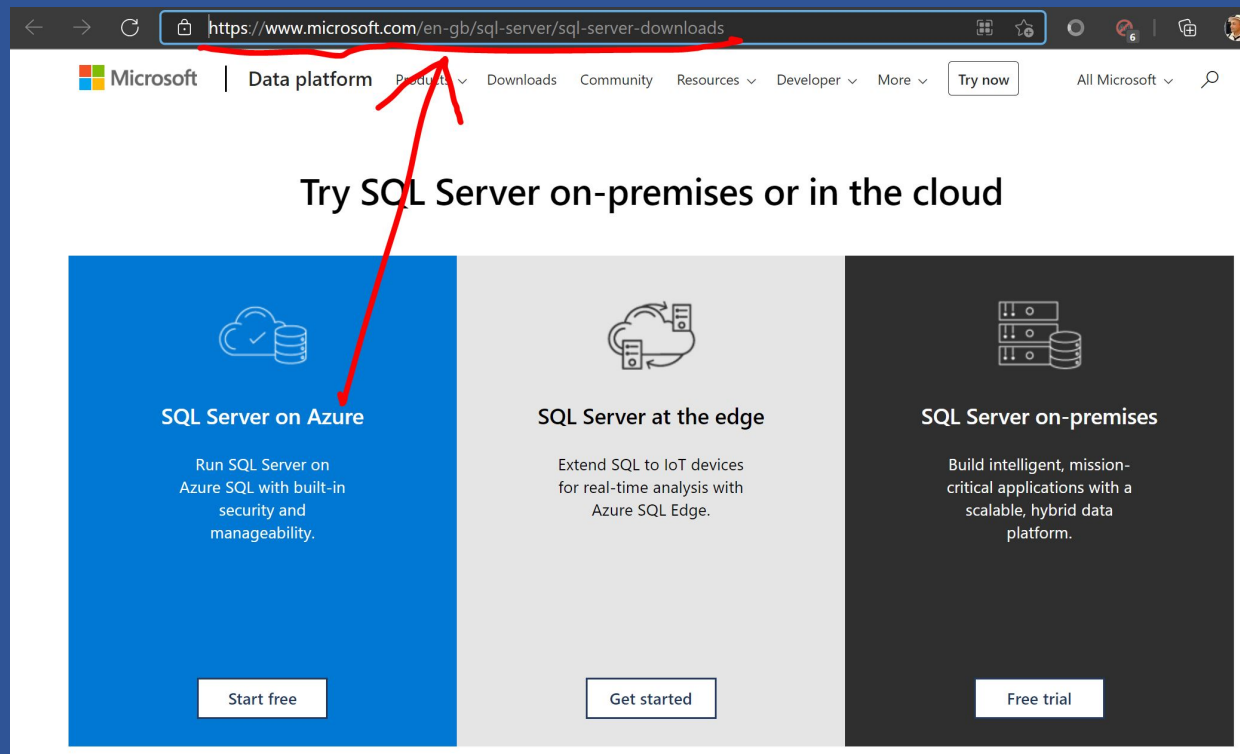
In this session

- Where to download ?
- Edition to install
- Installation steps
- Download Microsoft SQL Server Management Studio (SSMS)
- Setup SSMS

Where to download

SQL Server Downloads | Microsoft

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



Edition to install

SQL Server 2019 Express (or newer version)



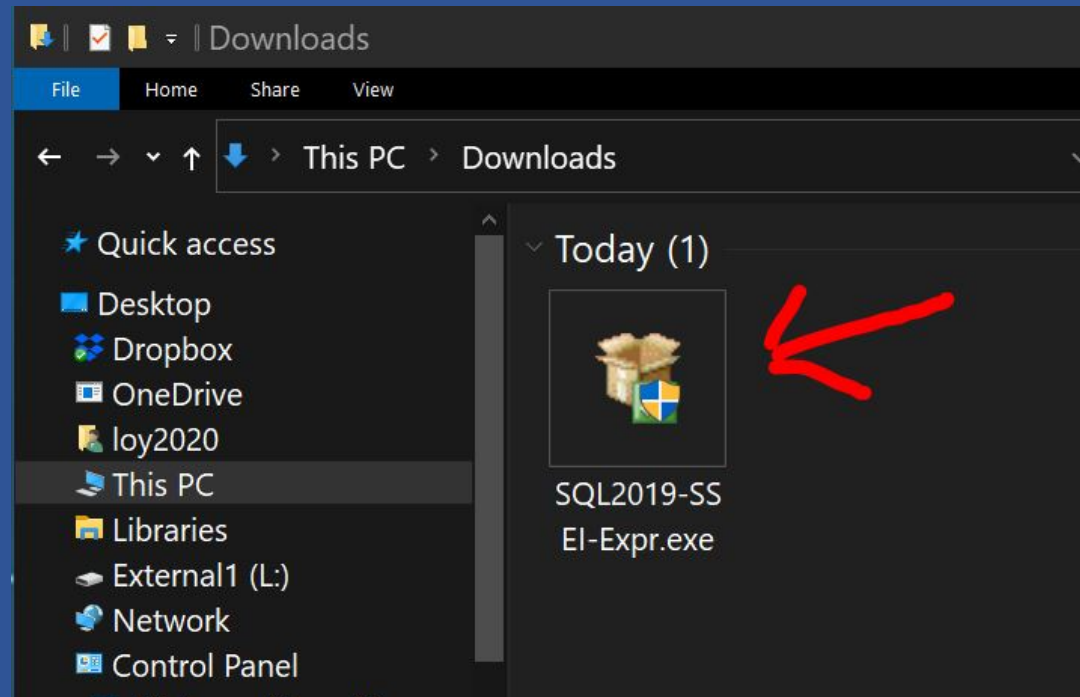
Express

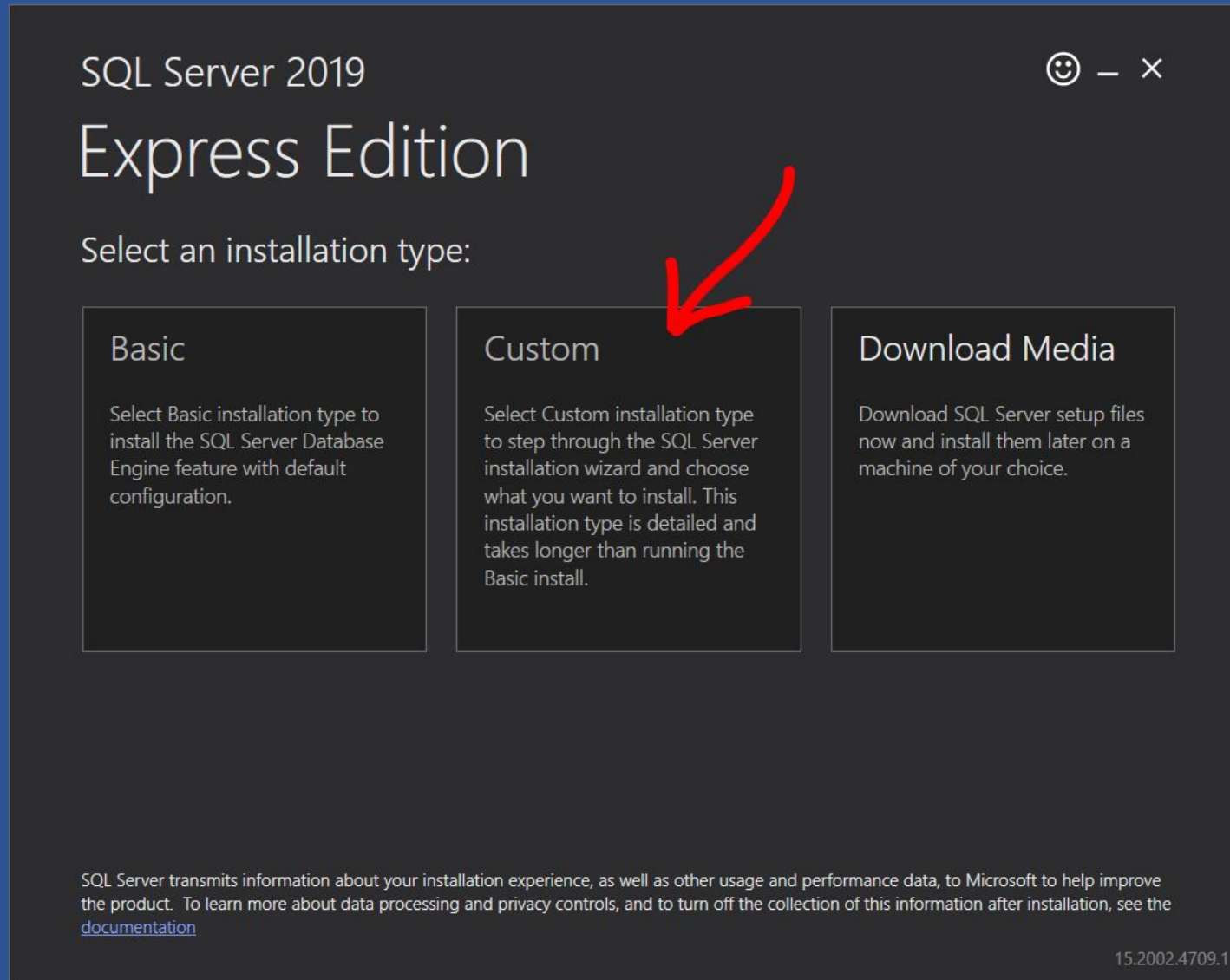
SQL Server 2019 Express is a free edition of SQL Server, ideal for development and production for desktop, web and small server applications.

[Download now >](#)

Installation steps

double click at the downloaded package






SQL Server 2019

Express Edition


Specify SQL Server media download target location


MEDIA LOCATION

 Browse

MINIMUM FREE SPACE
6578 MB

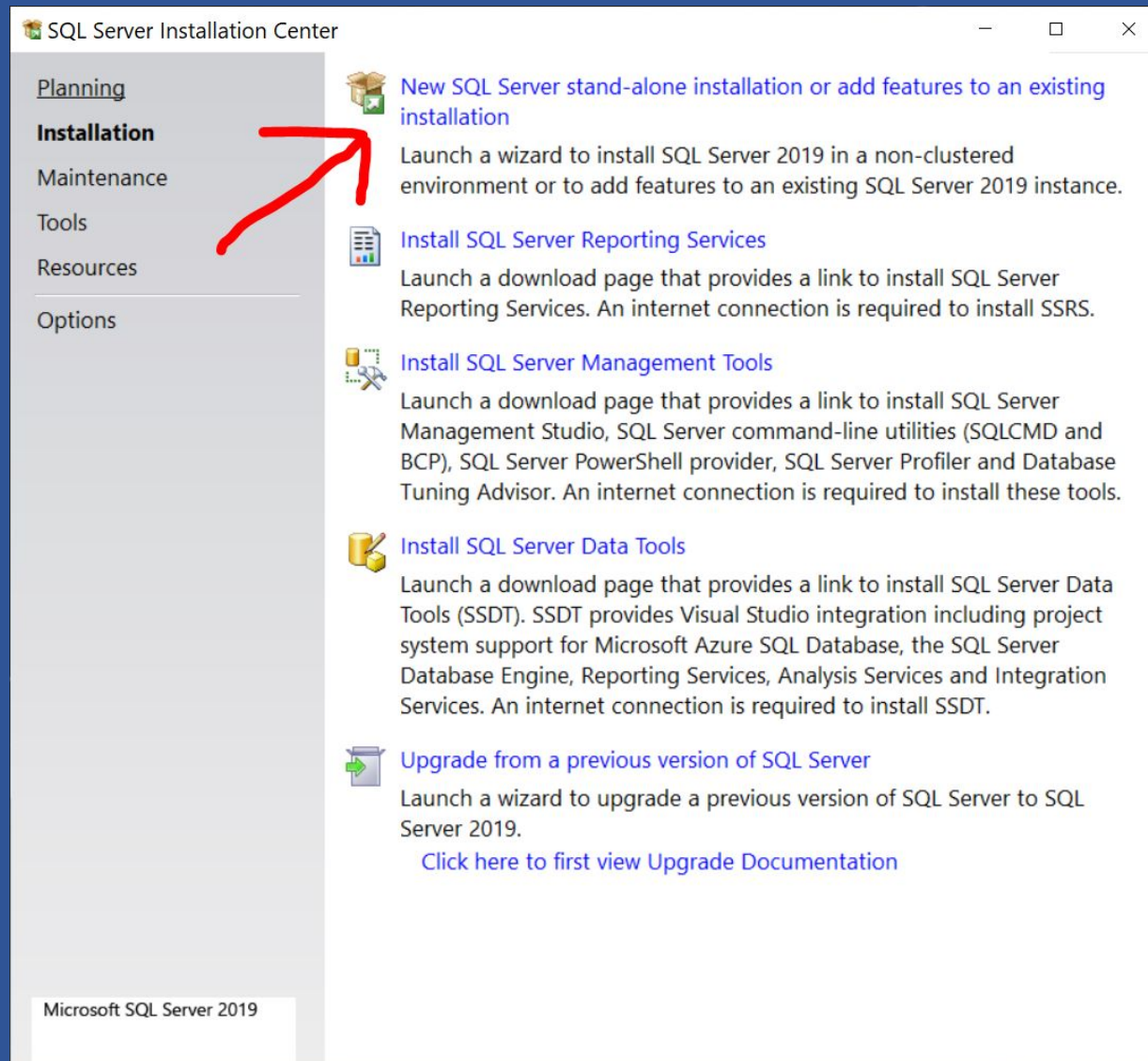
DOWNLOAD SIZE
266 MB

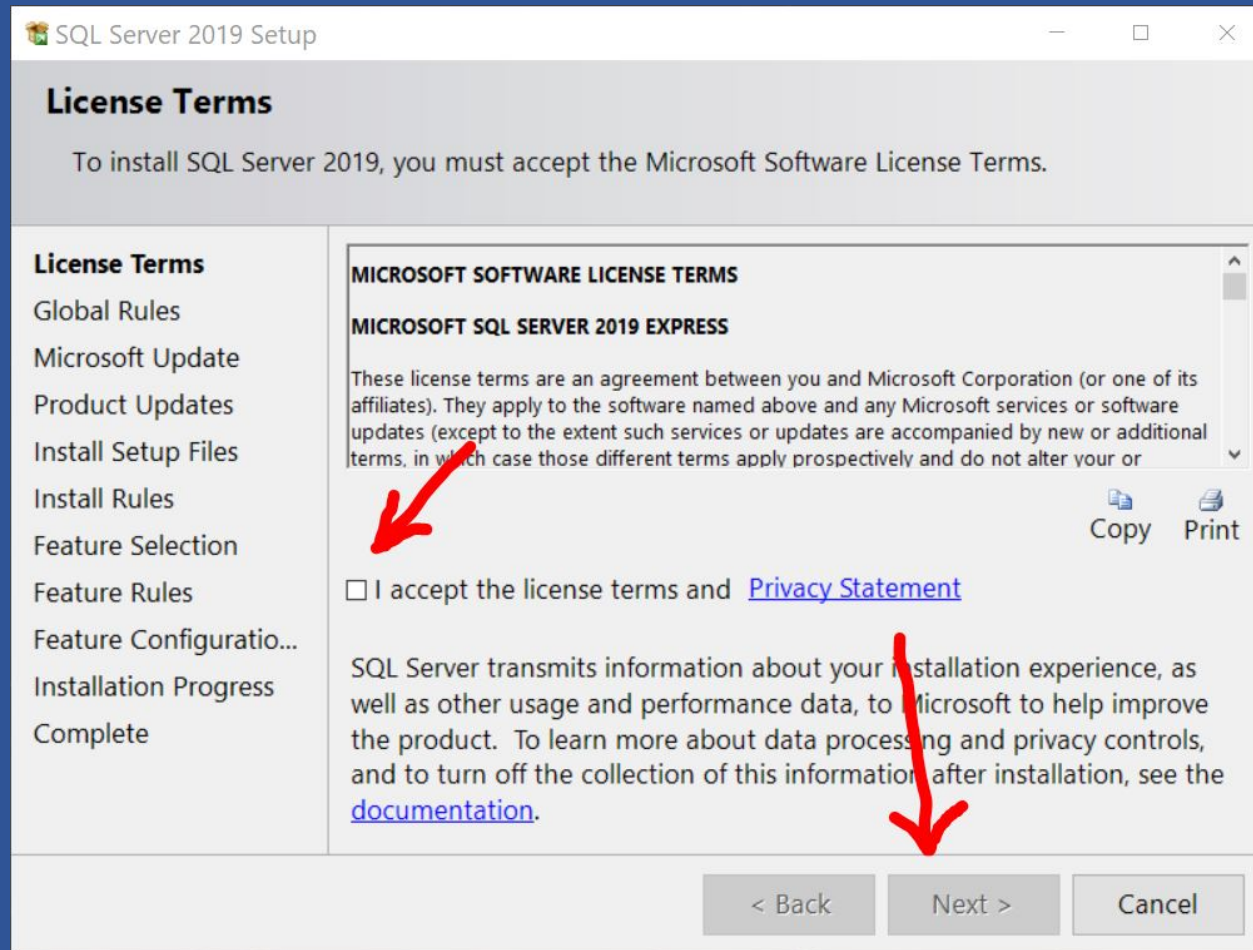


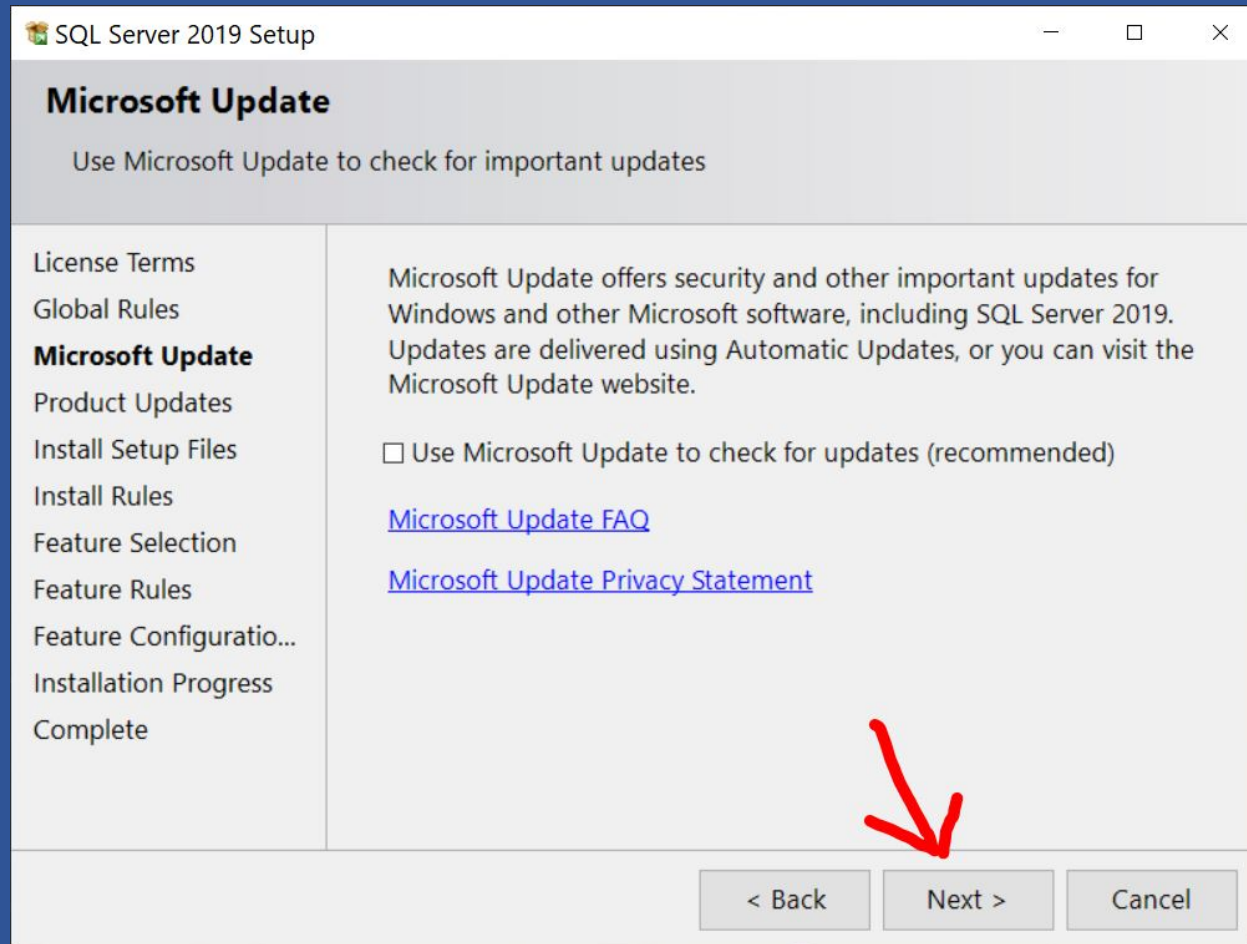


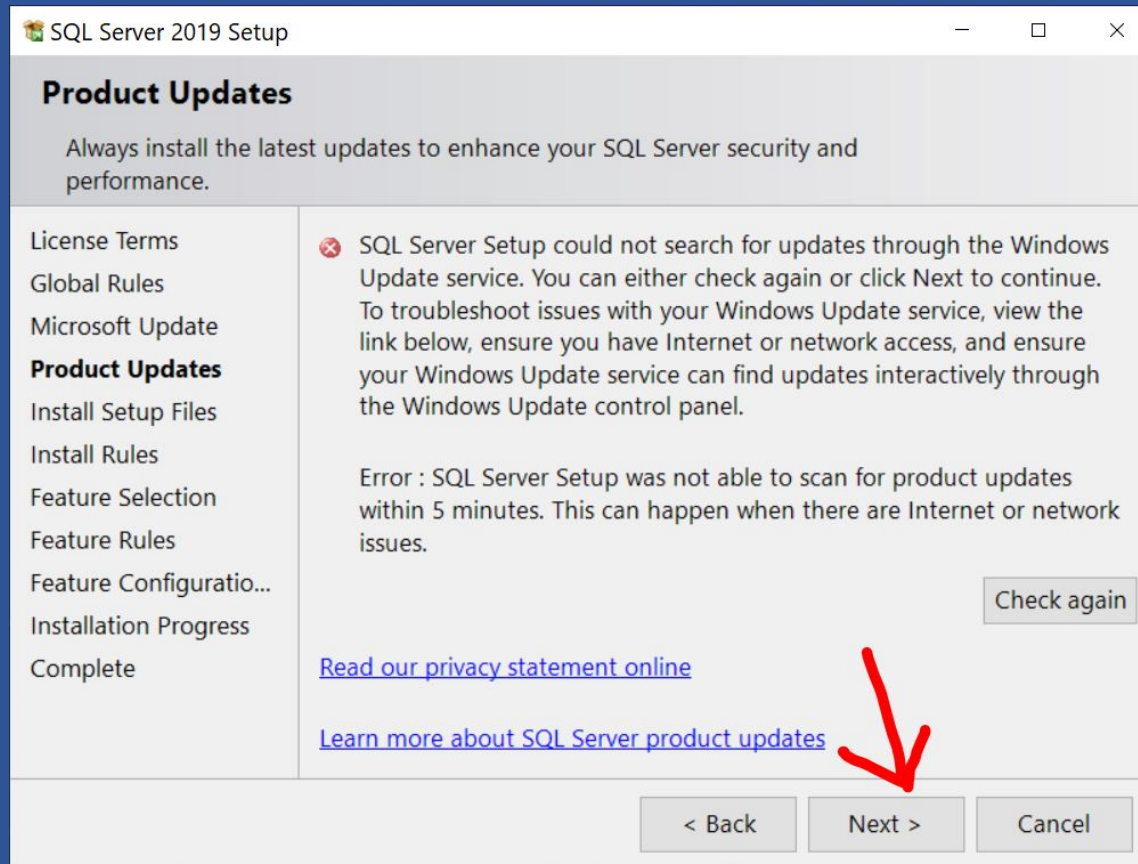
Close < Previous Install

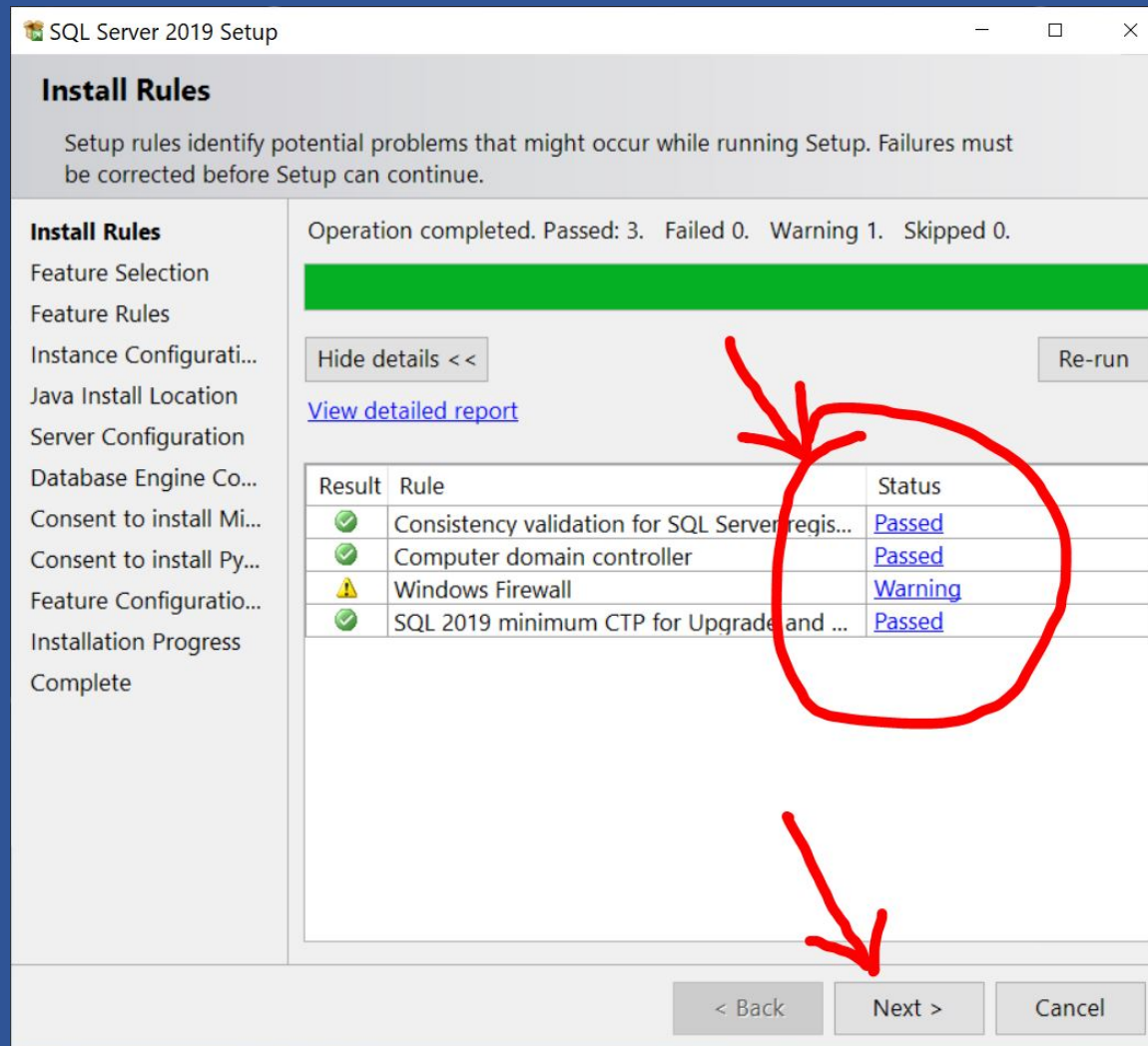
15.2002.4709.1











SQL Server 2019 Setup

Feature Selection

Select the Express features to install.

Install Rules
Feature Selection
Feature Rules
Instance Configurati...
Server Configuration
Database Engine Co...
Feature Configuratio...
Installation Progress
Complete

Looking for Reporting Services? [Download it from the web](#)

Features:

Instance Features

- ☒ Database Engine Services
- ☐ SQL Server Replication
- ☐ Machine Learning Services and Language Extensions
- ☐ R
- ☐ Python
- ☐ Java
- ☐ Full-Text and Semantic Extractions for Search
- ☐ PolyBase Query Service for External Data
- ☐ Java connector for HDFS data sources

Shared Features

- ☐ Client Tools Connectivity
- ☐ Client Tools Backwards Compatibility
- ☐ Client Tools SDK
- ☐ SQL Client Connectivity SDK
- ☐ LocalDB

Redistributable Features

Feature description:

LocalDB is a lightweight version of the SQL Server Express Database Engine that has the same programmability features, yet starts on demand and runs in user mode.

Prerequisites for selected features:

Already installed:

- Windows PowerShell 3.0 or higher
- Microsoft Visual C++ 2017 Redistributable

Disk Space Requirements

Drive C: 101 MB required, 48397 MB available
Drive L: 902 MB required, 356458 MB available

Select All Unselect All

Instance root directory: L:\Program Files\Microsoft SQL Server

Shared feature directory: C:\Program Files\Microsoft SQL Server\

Shared feature directory (x86): C:\Program Files (x86)\Microsoft SQL Server\

< Back Next > Cancel

SQL Server 2019 Setup

Instance Configuration

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

Install Rules
Feature Selection
Feature Rules
Instance Configur...
Server Configuration
Database Engine Co...
Feature Configuratio...
Installation Progress
Complete

☐ Default instance

☒ Named instance:

Instance ID:

SQL Server directory: L:\Program Files\Microsoft SQL Server\MSSQL15.SQLEXPRESS

Installed instances:

Instance Name	Instance ID	Features	Edition	Version
---------------	-------------	----------	---------	---------

< Back Next > Cancel

SQL Server 2019 Setup

Server Configuration

Specify the service accounts and collation configuration.

Install Rules
Feature Selection
Feature Rules
Instance Configurati...
Server Configuration
Database Engine Co...
Feature Configuratio...
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 Database Engine	NT Service\MSSQL\$SQLEXPRESS		Automatic
SQL Server Browser	NT AUTHORITY\LOCAL SERVICE		Automatic

☐ 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

SQL Server 2019 Setup

Database Engine Configuration

Specify Database Engine authentication security mode, administrators, data directories, TempDB, Max degree of parallelism, Memory limits, and Filestream settings.

Install Rules
Feature Selection
Feature Rules
Instance Configurati...
Server Configuration
Database Engine C...
Feature Configuratio...
Installation Progress
Complete

Server Configuration | Data Directories | TempDB | Memory | User Instances | FILESTREAM

Specify the authentication mode and administrators for the Database Engine.

Authentication Mode

☐ Windows authentication mode

☒ Mixed Mode (SQL Server authentication and Windows authentication)

Specify the password for the SQL Server system administrator (sa) account.

Enter password:

Confirm password:

Specify SQL Server administrators

DESKTOP-1FNDHAF\loy2020 (loy2020)

SQL Server administrators have unrestricted access to the Database Engine.

Add Current User Add... Remove

< Back Next > Cancel

SQL Server 2019 Setup

Database Engine Configuration

Specify Database Engine authentication security mode, administrators, data directories, TempDB, Max degree of parallelism, Memory limits, and Filestream settings.

Install Rules
Feature Selection
Feature Rules
Instance Configuration...
Server Configuration
Database Engine C...
Feature Configuratio...
Installation Progress
Complete

Server Configuration | Data Directories | TempDB | Memory | User Instances | **FILESTREAM**

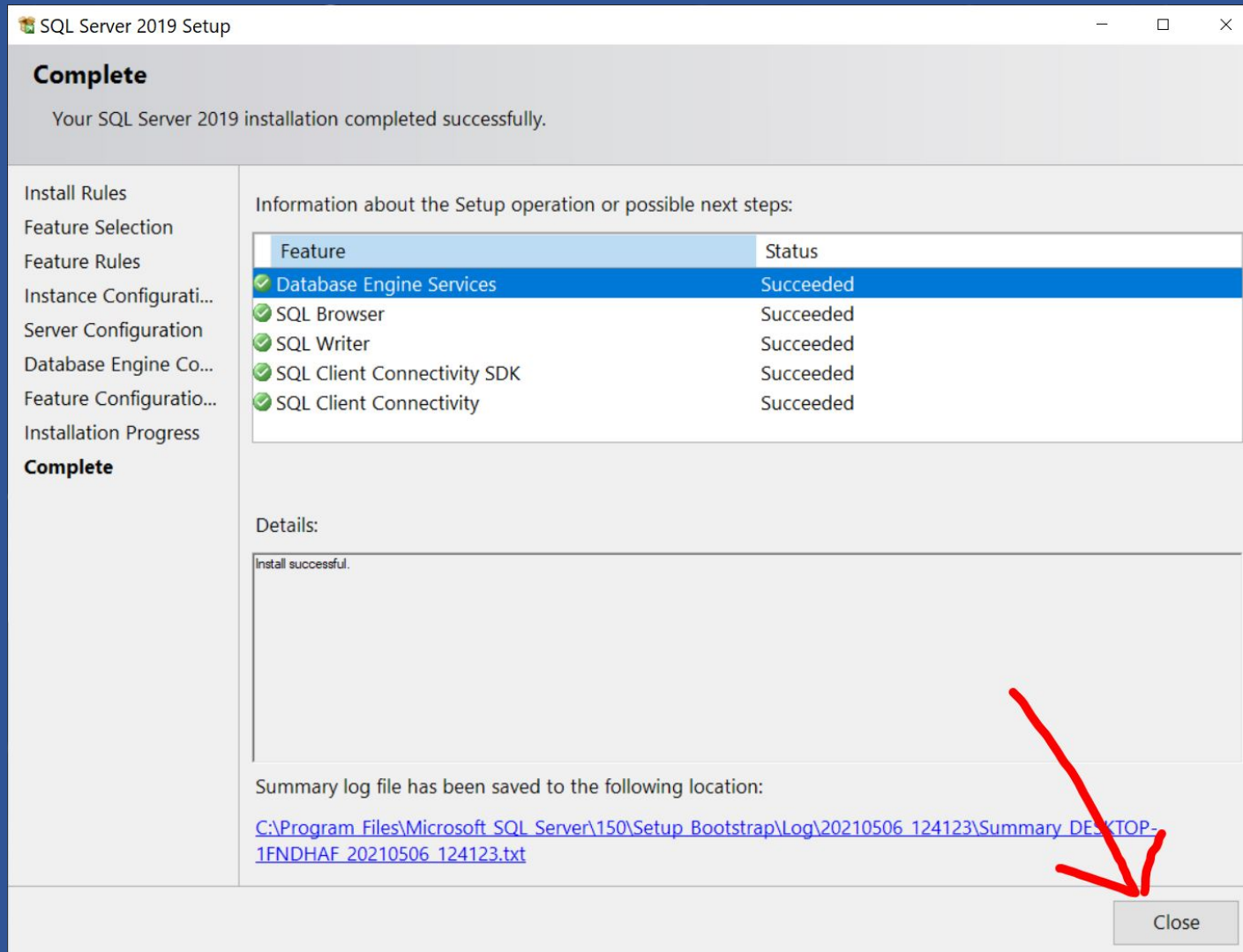
☒ Enable FILESTREAM for Transact-SQL access

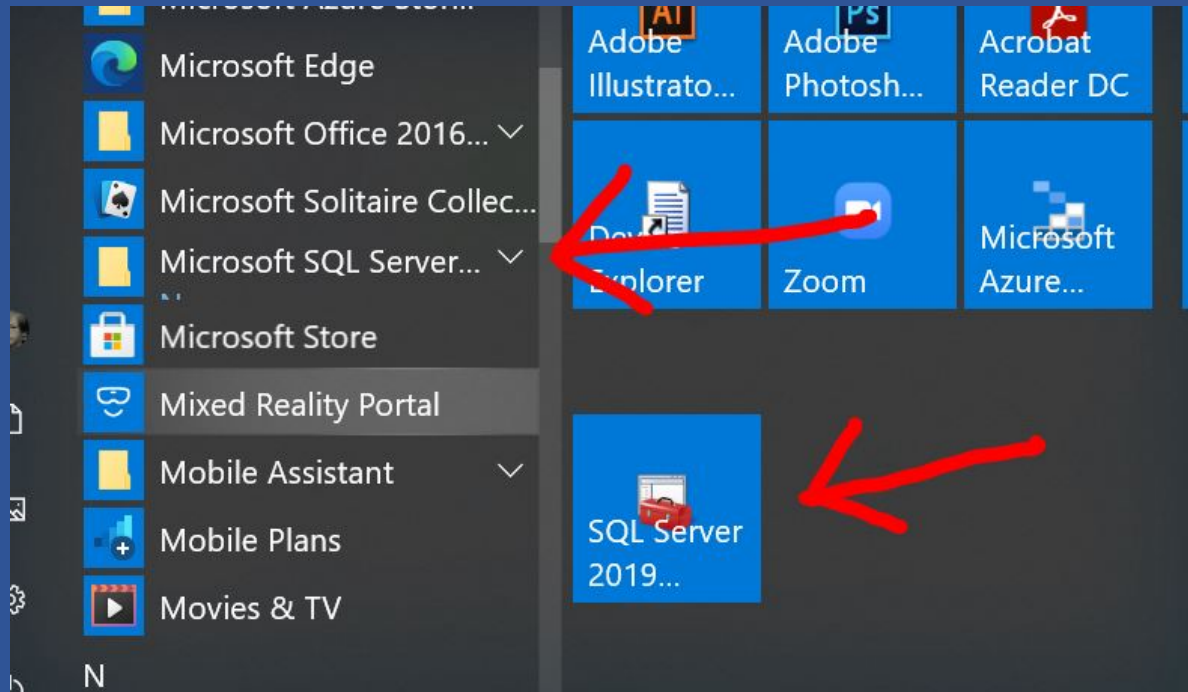
☒ Enable FILESTREAM for file I/O access

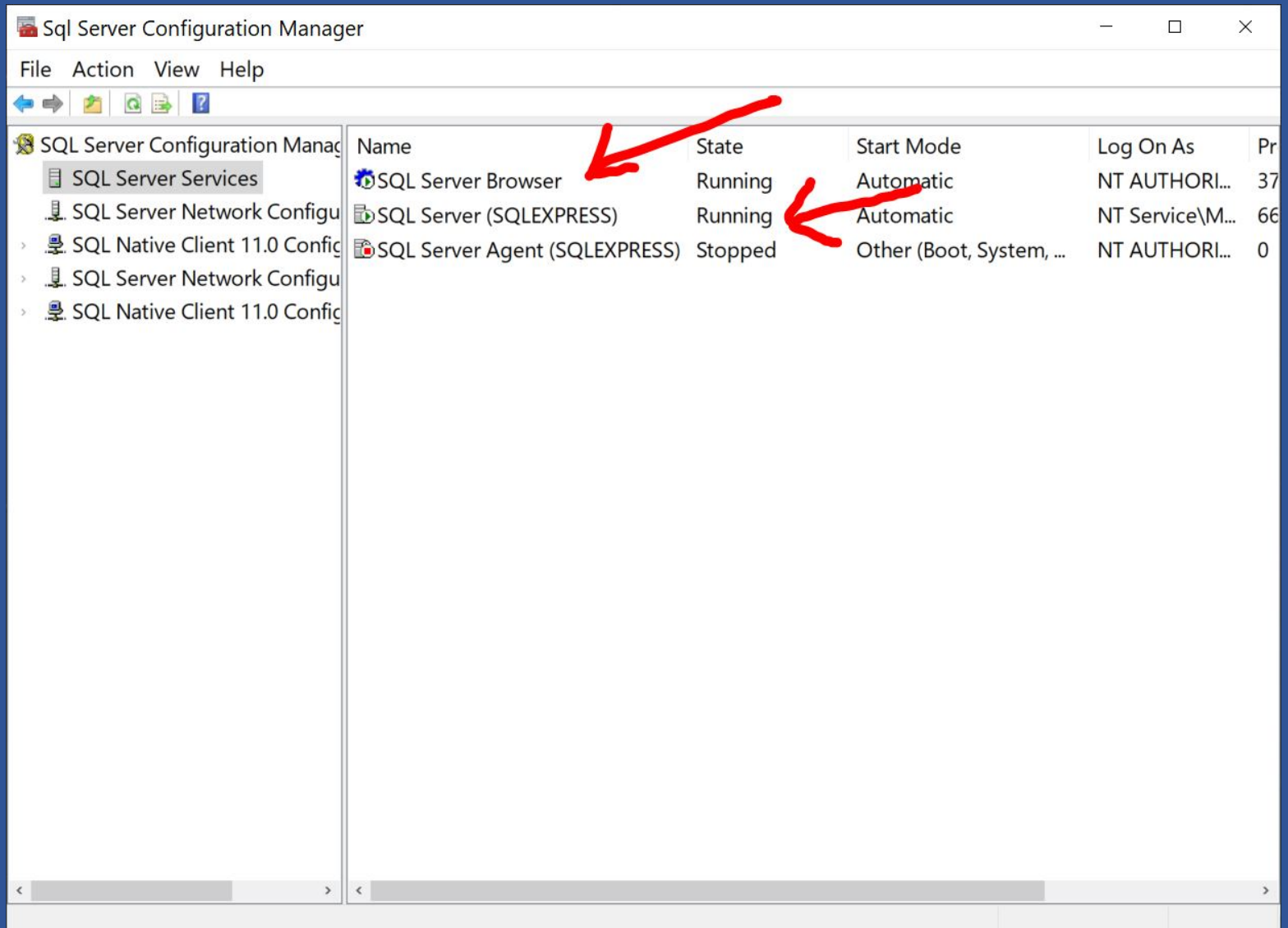
Windows share name:

☒ Allow remote clients access to FILESTREAM data

< Back **Next >** Cancel







Download Microsoft SQL Server Management Studio (SSMS)

<https://docs.microsoft.com/en-us/sql/ssms/download-sql-server-management-studio-ssms?view=sql-server-ver15>

The screenshot shows the Microsoft Docs website for downloading SQL Server Management Studio (SSMS). The page is titled "Download SQL Server Management Studio (SSMS)" and includes a sidebar with navigation links. A red arrow points to the "Learn" link in the top navigation bar, and another red arrow points to the "Download SSMS" link in the left sidebar.

Version

SQL Server 2019

Filter by title

- > SSB Diagnose
- > SQL Server Data Tools (SSDT)
- > SQL Server Management Studio (SSMS)
 - Download SSMS**
 - Release Notes
- > Overview
- > Quickstarts
- > Tutorials
- > Concepts
- > How-to
- > References
- > Resources
- > SqlPackage.exe
- > SQL Server Profiler

Download SQL Server Management Studio (SSMS)

04/20/2021 • 6 minutes to read • +34

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

Download SSMS

[Download SQL Server Management Studio \(SSMS\) 18.9.1](#)

SSMS 18.9.1 is the latest general availability (GA) version of SSMS. If you have a

Is this page helpful?

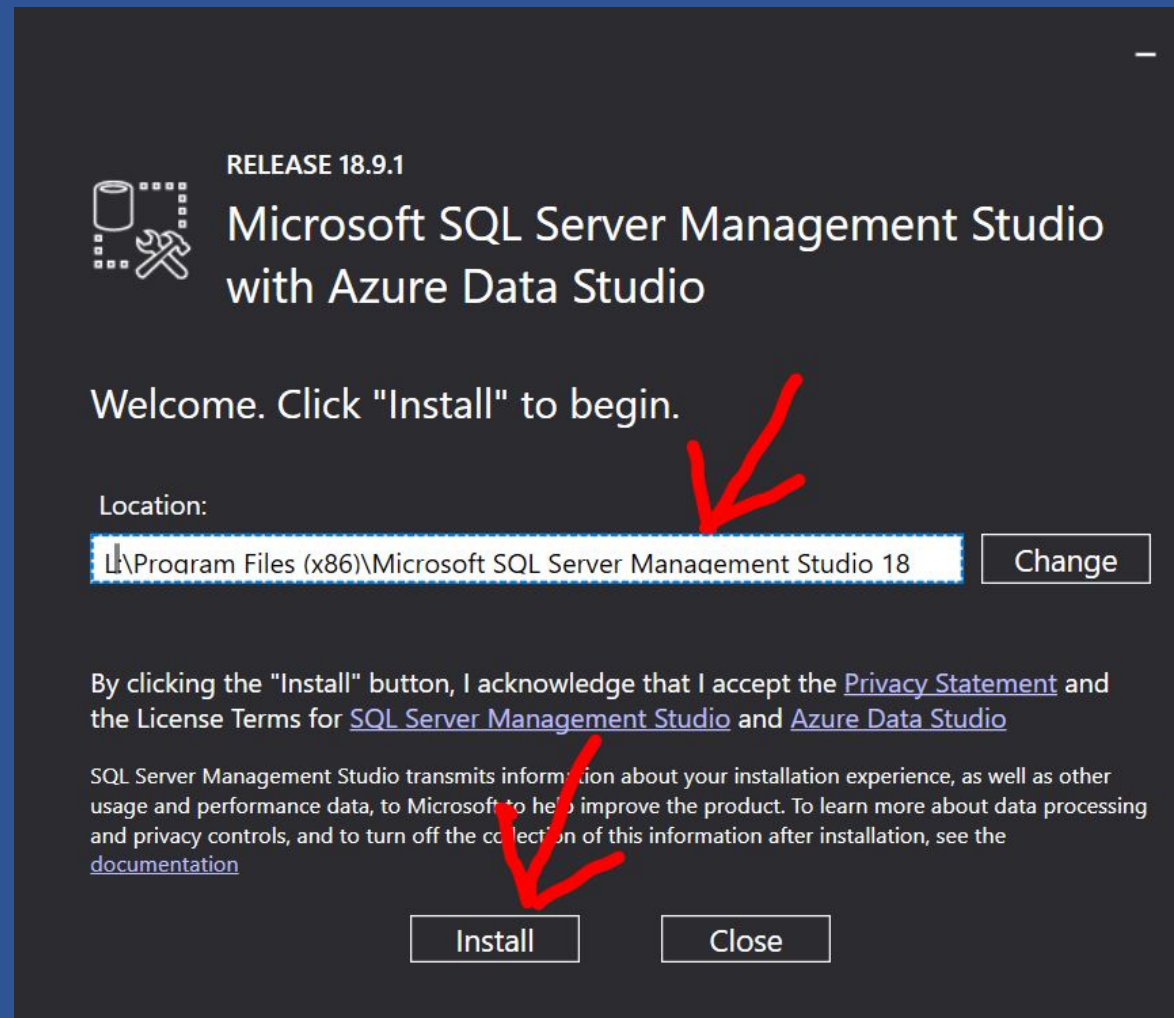
Yes

No

In this article

- [Download SSMS](#)
- [Available languages](#)
- [What's new](#)
- [Previous versions](#)
- [Unattended install](#)
- [Installation with Azure Data Studio](#)
- [Uninstall](#)
- [Supported SQL offerings](#)
- [SSMS System Requirements](#)
- [Get help for SQL tools](#)
- [Next steps](#)

Setup SSMS





RELEASE 18.9.1

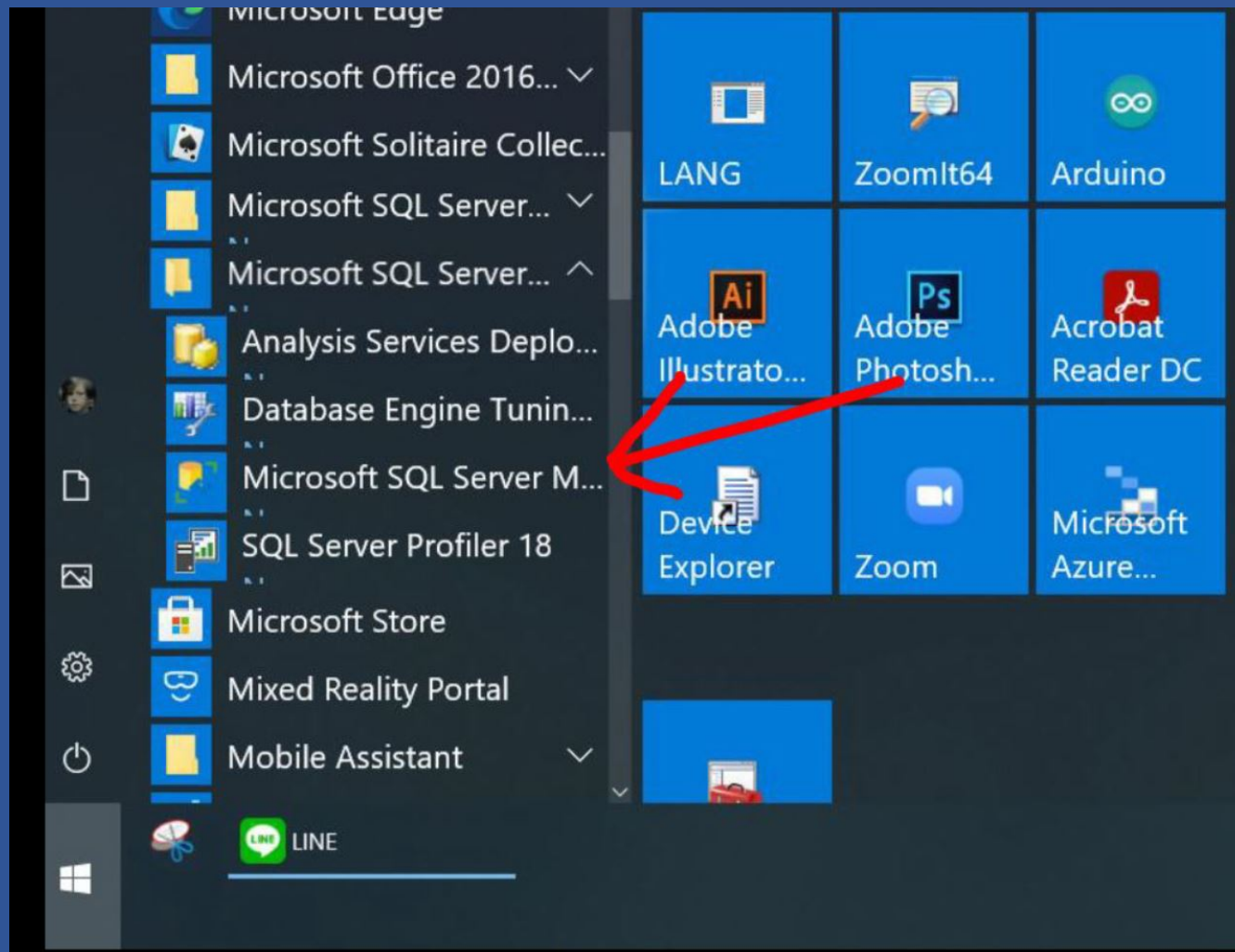
Microsoft SQL Server Management Studio with Azure Data Studio

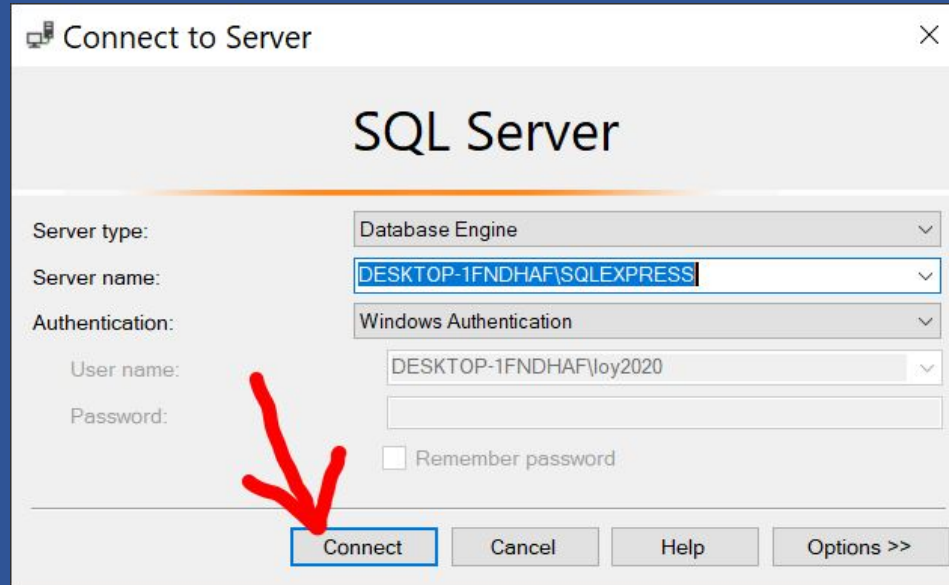
Restart required in order to complete setup.

All specified components have been installed successfully.

The computer needs to be restarted before setup can continue.

RestartClose





Connect to Server

SQL Server

Server type: Database Engine

Server name: DESKTOP-1FNDHAF\SQLEXPRESS

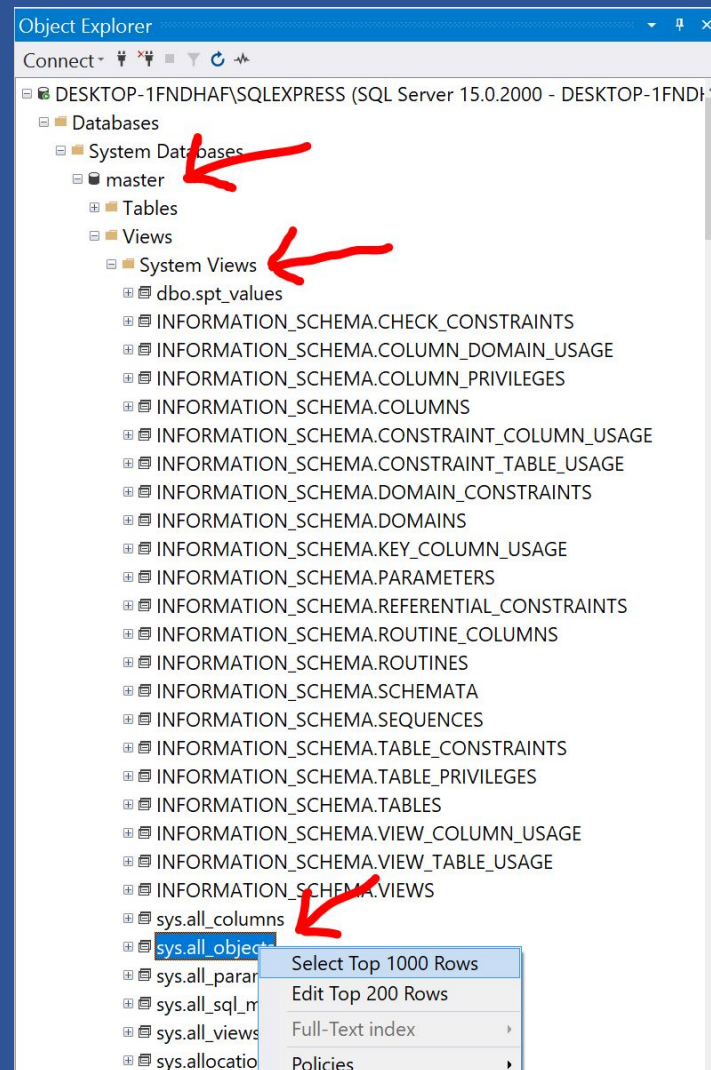
Authentication: Windows Authentication

User name: DESKTOP-1FNDHAF\loy2020

Password:

☐ Remember password

Connect Cancel Help Options >>



SQLQuery1.s...oy2020 (58) x

```
1  /***** Script for SelectTopNRows command from SSMS *****/
2  SELECT TOP (1000) [name]
3      ,[object_id]
4      ,[principal_id]
5      ,[schema_id]
6      ,[parent_object_id]
7      ,[type]
8      ,[type_desc]
9      ,[create_date]
10     ,[modify_date]
11     ,[is_ms_shipped]
12     ,[is_published]
13     ,[is_schema_published]
14 FROM [master].[sys].[all_objects]
```

133 %

Results Messages

	name	object_id	principal_id	schema_id
1	sp_MSalreadyhavegeneration	-1073624922	NULL	4
2	sp_MSwritemergeperfcounter	-1072815163	NULL	4
3	sp_drop_trusted_assembly	-1072667163	NULL	4
4	TABLE_PRIVILEGES	-1072372588	NULL	3
5	sp_replsetsyncstatus	-1071944761	NULL	4
6	sp_replshowcmds	-1070913306	NULL	4
7	sp_publishdb	-1070573756	NULL	4
8	fn_MSrepl_getsrvidfromdistdb	-1070030802	NULL	4

Summary

- Where to download ?
- Edition to install
- Installation steps
- Download Microsoft SQL Server Management Studio (SSMS)
- Setup SSMS