SOFTWARE INSTALLATION TUTORIAL

Paulo Oliveira

DEI-ISEP
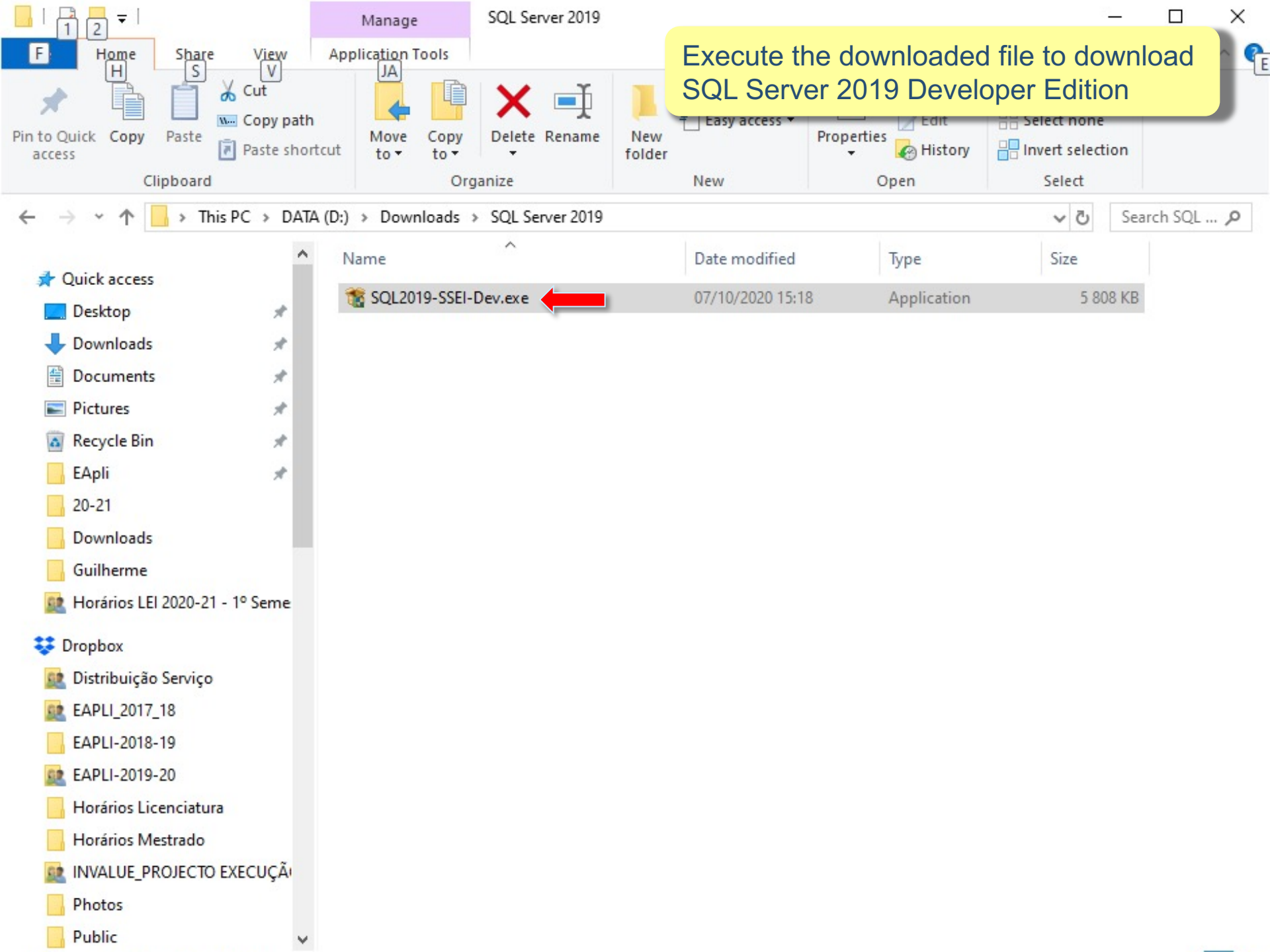
Microsoft SQL Server 2019

- Developer Edition
- Available at:

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

Execute the downloaded file to download SQL Server 2019 Developer Edition

SQL Server 2019
Developer Edition

Select an installation type:

Basic	Custom	Download Media
Select Basic installation type to install the SQL Server Database Engine feature with default configuration.	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.	Download SQL Server setup files now and install them later on a machine of your choice.

O SQL Server transmite para a Microsoft informações sobre a sua experiência de instalação, assim como outros dados de uso e de desempenho, para ajudar a melhorar o produto. Para saber mais sobre os controles de privacidade e o processamento de dados e para desativar a coleta dessas informações veja documentação.

SQL Server 2019

Developer Edition

Specify SQL Server media download target location

MEDIA LOCATION

D:\Downloads\SQL2019

Browse

MINIMUM FREE SPACE

9019 MB

DOWNLOAD SIZE

1438 MB

Close   < Previous   Install

SQL Server Installation Center

Planning

Installation ←

Maintenance

Tools

Resources

Advanced

Options

Microsoft SQL Server 2019

New SQL Server stand-alone installation or add features to an existing installation ←

Launch a wizard to install SQL Server 2019 in a non-clustered environment or to add features to an existing SQL Server 2019 instance.

Install SQL Server R...

Launch a downloa...
An internet connec...

> After SQL Server Installation Center starts, select the *Installation* menu and then *New SQL Server stand-alone installation*

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 2019 failover cluster. This action is only availabe in the clustered environment.

Add node to a SQL Server failover cluster

Launch a wizard to add a node to an existing SQL Server 2019 failover cluster. This action is only availabe 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 2019.
    Click here to first view Upgrade Documentation

Product Key

Specify the edition of SQL Server 2019 to install.

Product Key

License Terms

Global Rules

Product Updates

Install Setup Files

Install Rules

Feature Selection

Feature Rules

Feature Configuration Rules

Ready to Install

Installation Progress

Complete

Validate this instance of SQL Server 2019 by entering the 25-character key from the Microsoft certificate of authenticity or product packaging. You can also specify a free edition of SQL Server: Developer, Evaluation, or Express. Evaluation has the largest set of SQL Server features, as documented in SQL Server Books Online, and is activated with a 180-day expiration. Developer edition does not have an expiration, has the same set of features found in Evaluation, but is licensed for non-production database application development only. To upgrade from one installed edition to another, run the Edition Upgrade Wizard.

◉ Specify a free edition:

Developer

◯ Enter the product key:

[   ] – [   ] – [   ] – [   ]

< Back   Next >   Cancel

License Terms

To install SQL Server 2019, you must accept the Microsoft Software License Terms.

Product Key

License Terms

Global Rules

Product Updates

Install Setup Files

Install Rules

Feature Selection

Feature Rules

Feature Configuration Rules

Ready to Install

Installation Progress

Complete

MICROSOFT SOFTWARE LICENSE TERMS

MICROSOFT SQL SERVER 2019 DEVELOPER

These license terms are an agreement between you and Microsoft Corporation (or one of its affiliates). They apply to the software named above and any Microsoft services or software updates (except to the extent such services or updates are accompanied by new or additional terms, in which case those different terms apply prospectively and do not alter your or Microsoft's rights relating to pre-updated software or services). **IF YOU COMPLY WITH THESE LICENSE TERMS, YOU HAVE THE RIGHTS BELOW. BY USING THE SOFTWARE, YOU ACCEPT THESE TERMS. IF YOU DO NOT ACCEPT THEM, DO NOT USE THE SOFTWARE.**

IMPORTANT NOTICE: AUTOMATIC UPDATES TO PREVIOUS VERSIONS OF SQL SERVER. If this software is installed on servers or devices running any supported editions of SQL Server prior to SQL Server 2019 (or components of any of them) this software will automatically

Copy   Print

☑ I accept the license terms and   Privacy Statement

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.

< Back   Next >   Cancel

SQL Server 2019 Setup

Install Rules

Setup rules identify potential problems that might occur while running Setup. Failures must be corrected before Setup can continue.

Install Rules

Feature Selection

Feature Rules

Feature Configuration Rules

Ready to Install

Installation Progress

Complete

Operation completed. Passed: 3.   Failed 0.   Warning 1.   Skipped 0.

Hide details <<   Re-run

View detailed report

Result	Rule	Status
✅	Consistency validation for SQL Server registry keys	Passed
✅	Computer domain controller	Passed
⚠️	Windows Firewall	Warning
✅	SQL 2019 minimum CTP for Upgrade and Side by Side Support	Passed

< Back   Next >   Cancel

SQL Server 2019 Setup

Feature Selection

Select the Developer features to install.

ARPAD minimum required features are:
- Database Engine Services
- Analysis Services
- Integration Services

Install Rules
Feature Selection
Feature Rules
Instance Configuration
Server Configuration
Database Engine Configuration
Analysis Services Configuration
Feature Configuration Rules
Ready to Install
Installation Progress
Complete

ℹ Looking for Reporting Services?   Download it from the web

Features:

```
Instance Features
  ☑ Database Engine Services          ⬅
    ☐ SQL Server Replication
    ☐ Machine Learning Services and Language
        ☐ R
        ☐ Python
        ☐ Java
    ☐ Full-Text and Semantic Extractions for Sea
    ☐ Data Quality Services
    ☐ PolyBase Query Service for External Data
        ☐ Java connector for HDFS data sources
  ☑ Analysis Services                 ⬅
Shared Features
```

Feature description:

The configuration and operation of each instance feature of a SQL Server instance is isolated from other SQL Server instances. SQL Server instances can operate side-by-side on

Prerequisites for selected features:

Already installed:
  ⌐ Windows PowerShell 3.0 or higher
To be installed from media:
  ⌐ Microsoft Visual C++ 2017 Redistributable

Disk Space Requirements

Drive C: 1558 MB required, 42451 MB available

[Select All]   [Unselect All]

Instance root directory: C:\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

Feature Selection

Select the Developer features to install.

Install Rules
Feature Selection
Feature Rules
Instance Configuration
Server Configuration
Database Engine Configuration
Analysis Services Configuration
Feature Configuration Rules
Ready to Install
Installation Progress
Complete

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

Features:

- [ ] Java connector for HDFS data sources
- [x] Analysis Services
- Shared Features
  - [ ] Machine Learning Server (Standalone)
    - [ ] R
    - [ ] Python
  - [ ] Data Quality Client
  - [ ] Client Tools Connectivity
  - [x] Integration Services ⬅
    - [ ] Scale Out Master
    - [ ] Scale Out Worker
  - [ ] Client Tools Backwards Compatibility
  - [ ] Client Tools SDK

Feature description:

The configuration and operation of each instance feature of a SQL Server instance is isolated from other SQL Server instances. SQL Server instances can operate side-by-side on

Prerequisites for selected features:

Already installed:
  Windows PowerShell 3.0 or higher
To be installed from media:

Disk Space Requirements

Drive C: 1730 MB required, 42451 MB available

[Select All]   [Unselect All]

Instance root directory: C:\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 o

- Install Rules
- Feature Selection
- Feature Rules
- **Instance Configuration**
- Server Configuration
- Database Engine Configuration
- Analysis Services Configuration
- Feature Configuration Rules
- Ready to Install
- Installation Progress
- Complete

◉ Default instance ⟵

○ Named instance: MSSQLSERVER

Instance ID: MSSQLSERVER

SQL Server directory: C:\Program Files\Microsoft SQL Server\MSSQL15.MSSQLSERVER

Analysis Services directory: C:\Program Files\Microsoft SQL Server\MSAS15.MSSQLSERVER

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 Configuration |
| **Server Configuration** |
| Database Engine Configuration |
| Analysis Services Configuration |
| Feature Configuration Rules |
| Ready to Install |
| 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 Agent	NT Service\SQLSERVERAGENT		Manual
SQL Server Database Engine	NT Service\MSSQLSERVER		Automatic
SQL Server Analysis Services	NT Service\MSSQLServerOLAPS...		Automatic
SQL Server Integration Services 15.0	NT Service\MsDtsServer150		Automatic
SQL Server Browser	NT AUTHORITY\LOCAL SERVICE		Disabled

☐ 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, admi... Filestream settings.

Windows authentication or mixed mode authentication (recommended) can be selected. If mixed mode is selected an administration password must be defined for the system administrator (sa login)

Install Rules
Feature Selection
Feature Rules
Instance Configuration
Server Configuration
Database Engine Configuration
Analysis Services Configuration
Feature Configuration Rules
Ready to Install
Installation Progress
Complete

| Server Configuration | Data Directories | TempDB | MaxDOP | Memory | 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

LYNX\Paulo (Paulo)

SQL Server administrators have unrestricted access to the Database Engine.

Add Current User   Add...   Remove

< Back   Next >   Cancel

SQL Server 2019 Setup

Ready to Install

Verify the SQL Server 2019 features to be installed.

Check if all the selected features are listed

Install Rules
Feature Selection
Feature Rules
Instance Configuration
Server Configuration
Database Engine Configuration
Analysis Services Configuration
Feature Configuration Rules
Ready to Install
Installation Progress
Complete

Ready to install SQL Server 2019:

- Summary
  - Edition: Developer
  - Action: Install (Product Update)
  - Prerequisites
    - Already installed:
      - Windows PowerShell 3.0 or higher
    - To be installed from media:
      - Microsoft Visual C++ 2017 Redistributable
      - Microsoft Visual Studio Tools for Applications 2017
  - General Configuration
    - Features
      - Database Engine Services
      - Analysis Services
      - Integration Services
    - Instance configuration
      - Instance Name: MSSQLSERVER
      - Instance ID: MSSQLSERVER
      - Instance IDs
        - SQL Database Engine: MSSQL15.MSSQLSERVER
        - Analysis Services: MSAS15.MSSQLSERVER
      - Instance Directory: C:\Program Files\Microsoft SQL Server\
    - Shared component root directory
      - Shared feature directory: C:\Program Files\Microsoft SQL Server\

Configuration file path:

C:\Program Files\Microsoft SQL Server\150\Setup Bootstrap\Log\20201007_153057\ConfigurationFile.ini

< Back   Install   Cancel

Ready to Install

Verify the SQL Server 2019 features to be installed.

Install Rules
Feature Selection
Feature Rules
Instance Configuration
Server Configuration
Database Engine Configuration
Analysis Services Configuration
Feature Configuration Rules
Ready to Install
Installation Progress
Complete

Ready to install SQL Server 2019:

- Backup directory: C:\Program Files\Microsoft SQL Server\MSSQL15.MSSQLSERVER\MSSQL\Backup
- TempDB
  - Number of data files: 4
  - Initial size of data file: 8 MB
  - Autogrowth of data file: 64 MB
  - Initial size of log file: 8 MB
  - Autogrowth of log file: 64 MB
  - TempDB data directories:
    - C:\Program Files\Microsoft SQL Server\MSSQL15.MSSQLSERVER\MSSQL\Data
  - TempDB log directory: C:\Program Files\Microsoft SQL Server\MSSQL15.MSSQLSERVER\MSSQL\Data
- Memory
  - Max Server Memory: 2147483647 MB
  - Min Server Memory: 0 MB
- Max degree of parallelism: 4
- Collation: Latin1_General_CI_AS
- Security Mode: SQL Server authentication and Windows authentication
- Administrators:
  - LYNX\Paulo
- Shared features
  - Integration Services
    - Service Configuration
      - Account: NT Service\MsDtsServer150
      - Startup Type: Automatic

Configuration file path:

C:\Program Files\Microsoft SQL Server\150\Setup Bootstrap\Log\20201007_153057\ConfigurationFile.ini

< Back   Install   Cancel

SQL Server 2019 Setup

Complete

Your SQL Server 2019 installation completed successfully with product updates.

Check if everything was installed successfully

Install Rules
Feature Selection
Feature Rules
Instance Configuration
Server Configuration
Database Engine Configuration
Analysis Services Configuration
Feature Configuration Rules
Ready to Install
Installation Progress
Complete

Information about the Setup operation or possible next steps:

Feature	Status
✅ Database Engine Services	Succeeded
✅ Analysis Services	Succeeded
✅ SQL Browser	Succeeded
✅ SQL Writer	Succeeded
✅ Integration Services	Succeeded
✅ SQL Client Connectivity SDK	Succeeded
✅ SQL Client Connectivity	Succeeded

Details:

Install successful.

Summary log file has been saved to the following location:

C:\Program Files\Microsoft SQL Server\150\Setup Bootstrap\Log\20201007_153057\Summary_Lynx_20201007_153057.txt

Close

SQL Server Management Studio

- Available at:

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

Download SQL Server Manager ✕ | +

← → C ⌂ | 🛡 🔒 https://docs.**microsoft**.com/en-us/sql/ssms/download-sql-server-managemen

⚙ Mais acedidos 🔴 Começar aqui 📁 Docência 📁 ISEP 📁 Meo 📁 Notícias 📁 Notícias Desporto 📁 Portais 📁 Software

Version

SQL Server 2019 ⌄

🔽 Filter by title

> SQL Server Configuration
  Manager

> SQLCMD

> SSB Diagnose

> SQL Server Data Tools
  (SSDT)

⌄ SQL Server Management
  Studio (SSMS)

  Download SSMS

  Release Notes

  > Overview

  > Quickstarts

  > Tutorials

  > Concepts

  > How-to

🖥 Download PDF

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,
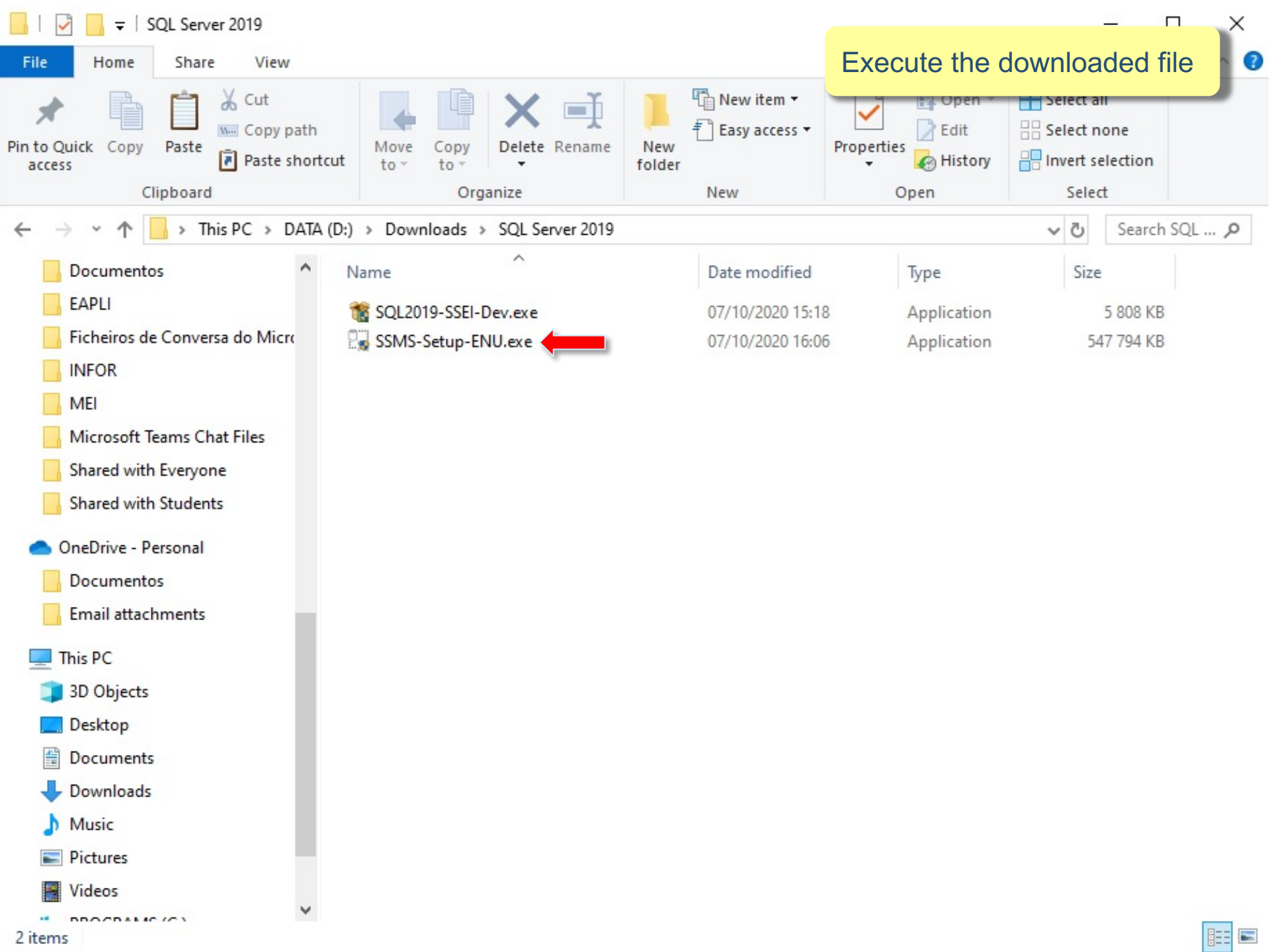wherever they are - on your local computer, or in the cloud.

SSMS is free!

Download SSMS

⊕ **Download SQL Server Management Studio (SSMS)** ⬅

SSMS 18.6 is the latest general availability (GA) version of SSMS. If you have a
previous GA version of SSMS 18 installed, installing SSMS 18.6 upgrades it to
18.6.

Version information

RELEASE 18.6

Microsoft SQL Server Management Studio

Welcome. Click "Install" to begin.

Location:

C:\Program Files (x86)\Microsoft SQL Server Management Studio 18

Change

By clicking the "Install" button, I acknowledge that I accept the License Terms and Privacy Statement.

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.

Install   Close

RELEASE 18.6

Microsoft SQL Server Management 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.

Restart   Close