

# SQL Management Studio

Start by installing the [SQL Server Management Studio](#). It's faster and you will be able to jump to the first task while installing the database server.

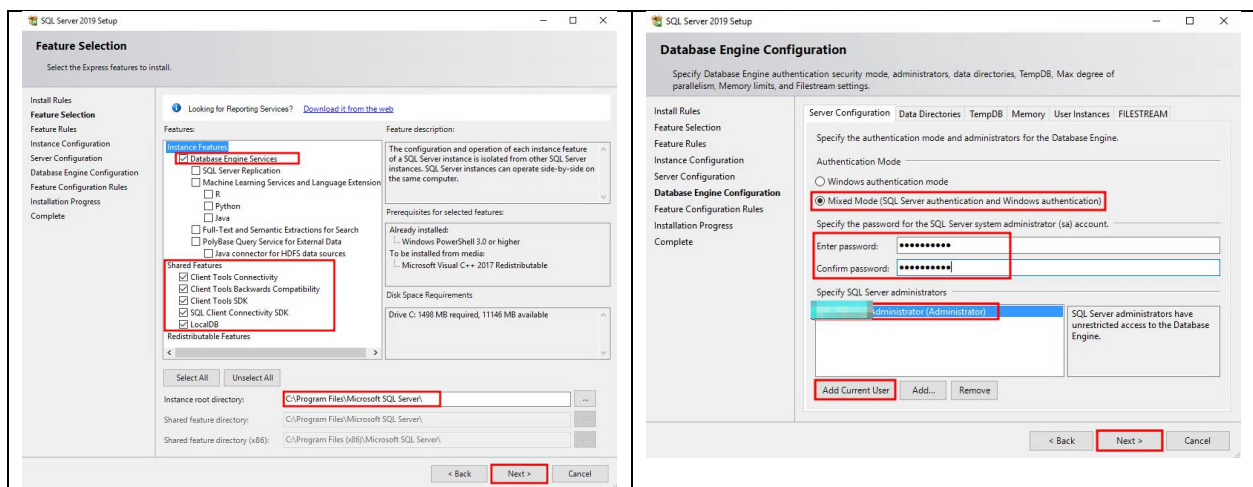
## SQL Server Express

When it's finished, proceed to install the SQL Server 2019 Express.

**Important**, follow [this tutorial](#) step by step. **Follow the images to the letter** (after *SQL Server Features installation*). In particular, the *Feature Selection* and **Mixed Mode Authentication**.

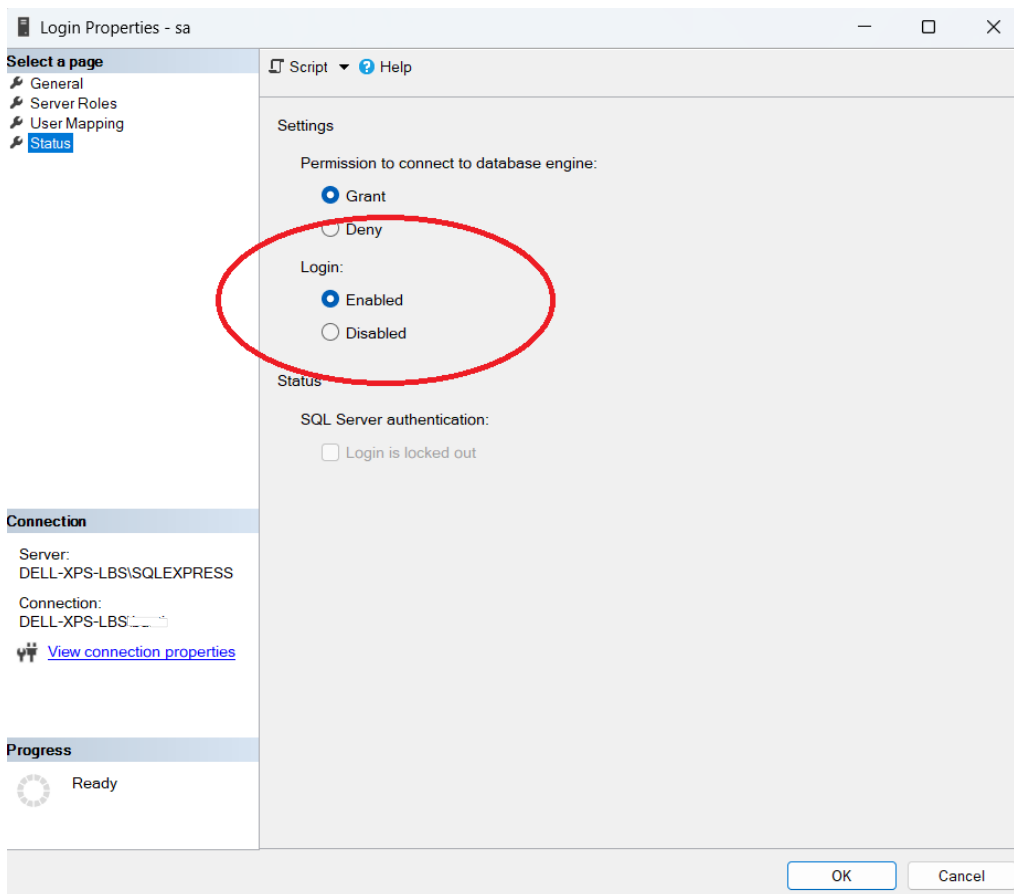
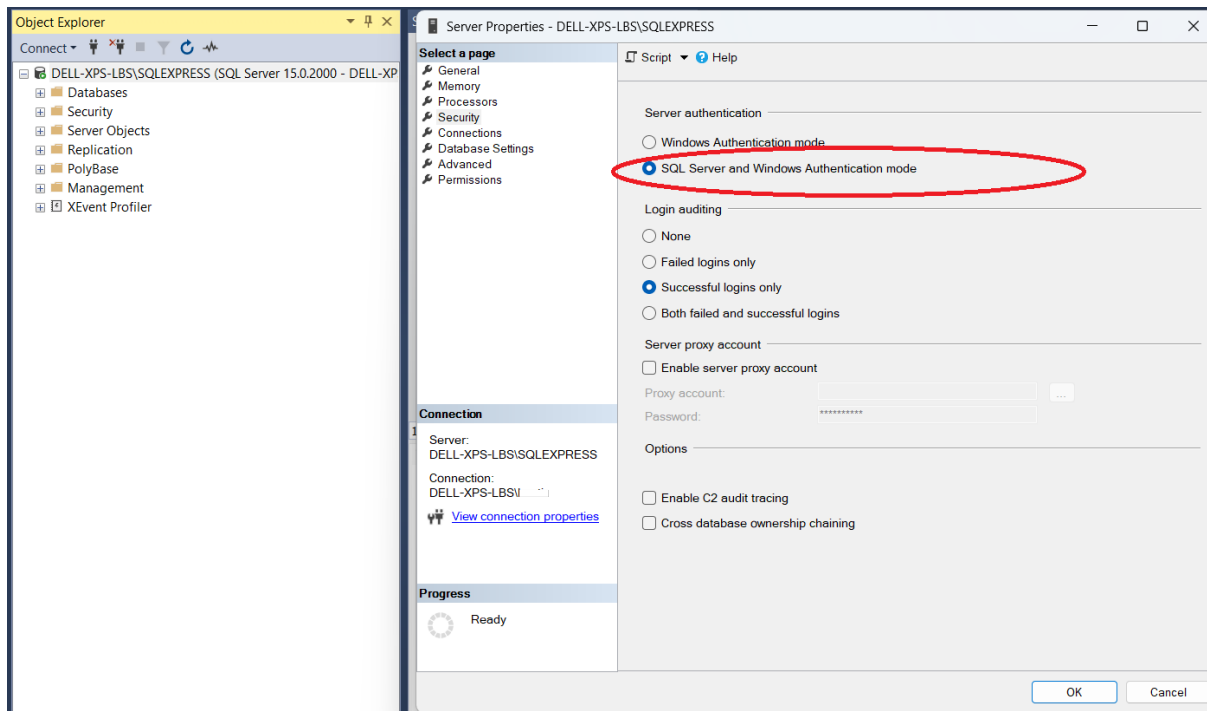
**Do not forget your username and password.**

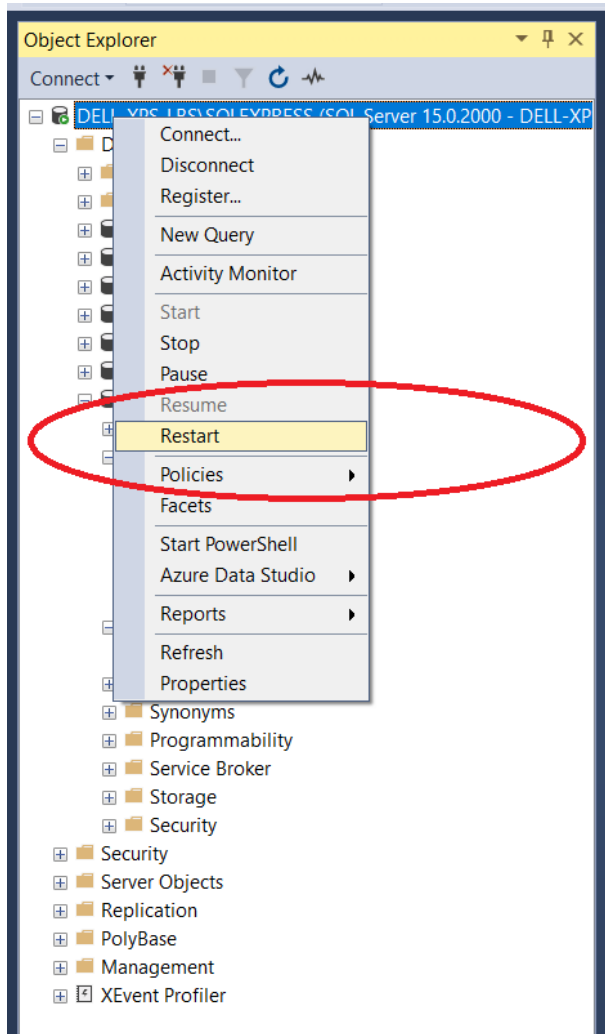
You can proceed to the first question while the database server is being installed, provided you already have the IEETA database credentials.



## Known Problems

It is still possible if you installed it and forgot to enable mix mode. Use the following instructions:





# Visual Studio


## Setup – Only requests “.Net desktop development” Module


Installing — Visual Studio Community 2022 — 17.9.0

WorkloadsIndividual componentsLanguage packsInstallation locations


Need help choosing what to install? [More info](#)


Web & Cloud (2)


 **ASP.NET and web development**  
Build web applications using ASP.NET Core, ASP.NET, HTML/JavaScript, and Containers including Docker supp...


 **Node.js development**  
Build scalable network applications using Node.js, an asynchronous event-driven JavaScript runtime.

Desktop & Mobile (4)

 **.NET Multi-platform App UI development**  
Build Android, iOS, Windows, and Mac apps from a single codebase using C# with .NET MAUI.

 **.NET desktop development**  
Build WPF, Windows Forms, and console applications using C#, Visual Basic, and F# with .NET and .NET Frame...

 **Desktop development with C++**  
Build modern C++ apps for Windows using tools of your choice, including MSVC, Clang, CMake, or MSBuild.

 **Universal Windows Platform development**  
Create applications for the Universal Windows Platform with C#, VB, or optionally C++.

Installation details

**.NET desktop development**

Included

☒ .NET desktop development tools

☒ .NET Framework 4.7.2 development tools

☒ C# and Visual Basic

Optional

☒ Development tools for .NET

☒ .NET Framework 4.8 development tools

☒ Entity Framework 6 tools

☒ .NET profiling tools

☒ IntelliCode

☒ Just-In-Time debugger

☒ Live Share

☒ ML.NET Model Builder

☒ .NET Framework 4.8.1 development tools

☐ GitHub Copilot

☐ F# desktop language support

☐ PreEmptive Protection - Dotfuscator

☐ .NET Framework 4.6.2-4.7.1 development t...

Location

C:\Program Files\Microsoft Visual Studio\2022\Community [Change...](#)

Remove out-of-support components

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Total space required 8.58 GB

Install while downloading

Install

## New Project – Windows Forms App C#

### Create a new project

#### Recent project templates

A list of your recently accessed templates will be displayed here.

Search for templates (Alt+S)

All languagesAll platformsAll project types

C#LinuxmacOSWindowsTest

VB

Console App

A project for creating a command-line application that can run on .NET on Windows, Linux and macOS

Visual BasicLinuxmacOSWindowsConsole

VB

Class Library

A project for creating a class library that targets .NET or .NET Standard

Visual BasicAndroidLinuxmacOSWindowsLibrary

VB

MSTest Test Project

A project that contains MSTest unit tests that can run on .NET on Windows, Linux and macOS.

Visual BasicLinuxmacOSWindowsTest

C#

Windows Forms App

A project template for creating a .NET Windows Forms (WinForms) App.

C#WindowsDesktop

VB

Windows Forms App

A project template for creating a .NET Windows Forms (WinForms) App.

Visual BasicWindowsDesktop

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