



Prerequisites

Installation Instructions

22/08/2021

Prerequisites

- Windows 10 (latest update)
- Visual Studio Community 2019 (latest update) with SQL Server tools, Web developer tools, Desktop C# development tools, GIT, latest .NET Framework.
- Chrome, Firefox, Notepad++, Visual Studio Code
- SQL Server 2019 (with sa account enabled) + latest SQL Server Management Studio

Windows 10 (latest update)

- Please make sure you have Windows 10 with latest installed.
- Minimum version (1903)



Visual Studio Community 2019

- Latest update
- <https://visualstudio.microsoft.com/vs/community/>
- **Select**
 - ASP.NET and Web Development
 - .NET desktop development
 - .NET Core cross-platform development

The screenshot displays the Visual Studio Workload Installer interface, which is organized into two main sections: 'Web & Cloud (4)' and 'Desktop & Mobile (5)'. Each section contains a grid of workload cards. The 'Web & Cloud' section includes 'ASP.NET and web development' (checked), 'Python development', 'Azure development', and 'Node.js development'. The 'Desktop & Mobile' section includes '.NET desktop development' (checked), 'Universal Windows Platform development', 'Desktop development with C++', and 'Mobile development with .NET'. Below this, there are two more sections: 'Gaming (2)' and 'Other Toolsets (6)'. The 'Gaming' section includes 'Game development with Unity' and 'Game development with C++'. The 'Other Toolsets' section includes 'Data storage and processing', 'Visual Studio extension development', 'Linux development with C++', 'Data science and analytical applications', 'Office/SharePoint development', and '.NET Core cross-platform development' (checked).

| Workloads | Individual components | Language packs | Installation locations |
|--|-------------------------------------|----------------|------------------------|
| Web & Cloud (4) | | | |
| ASP.NET and web development Build web applications using ASP.NET Core, ASP.NET, HTML/JavaScript, and Containers including Docker support. | <input checked="" type="checkbox"/> | | |
| Python development Editing, debugging, interactive development and source control for Python. | <input type="checkbox"/> | | |
| Azure development Azure SDKs, tools, and projects for developing cloud apps and creating resources using .NET Core and .NET... | <input type="checkbox"/> | | |
| Node.js development Build scalable network applications using Node.js, an asynchronous event-driven JavaScript runtime. | <input type="checkbox"/> | | |
| Desktop & Mobile (5) | | | |
| .NET desktop development Build WPF, Windows Forms, and console applications using C#, Visual Basic, and F# with .NET Core and .NET... | <input checked="" type="checkbox"/> | | |
| Universal Windows Platform development Create applications for the Universal Windows Platform with C#, VB, or optionally C++. | <input type="checkbox"/> | | |
| Desktop development with C++ Build modern C++ apps for Windows using tools of your choice, including MSVC, Clang, CMake, or MSBuild. | <input type="checkbox"/> | | |
| Mobile development with .NET Build cross-platform applications for iOS, Android or Windows using Xamarin. | <input type="checkbox"/> | | |
| Workloads Individual components Language packs Installation locations | | | |
| Gaming (2) | | | |
| Game development with Unity Create 2D and 3D games with Unity, a powerful cross-platform development environment. | <input type="checkbox"/> | | |
| Game development with C++ Use the full power of C++ to build professional games powered by DirectX, Unreal, or Cocos2d. | <input type="checkbox"/> | | |
| Other Toolsets (6) | | | |
| Data storage and processing Connect, develop, and test data solutions with SQL Server, Azure Data Lake, or Hadoop. | <input type="checkbox"/> | | |
| Data science and analytical applications Languages and tooling for creating data science applications, including Python and F#. | <input type="checkbox"/> | | |
| Visual Studio extension development Create add-ons and extensions for Visual Studio, including new commands, code analyzers and tool windows. | <input type="checkbox"/> | | |
| Office/SharePoint development Create Office and SharePoint add-ins, SharePoint solutions, and VSTO add-ins using C#, VB, and JavaScript. | <input type="checkbox"/> | | |
| Linux development with C++ Create and debug applications running in a Linux environment. | <input type="checkbox"/> | | |
| .NET Core cross-platform development Build cross-platform applications using .NET Core, ASP.NET Core, HTML/JavaScript, and Containers including Docker... | <input checked="" type="checkbox"/> | | |



Browsers and Other required

Automated Installation

- Open PowerShell as an Administrator
- Open Prerequisites folder location in PowerShell
- Run Command– “Set-ExecutionPolicy RemoteSigned ”
- Run Command– “.\Install-Prerequisites.ps1”

Above steps will install all the required software mentioned in manual installation

Manual Installation

- Chrome
 - <https://www.google.com/chrome/>
- Firefox
 - <https://www.mozilla.org/en-US/firefox/new/>
- Notepad++
 - <https://notepad-plus-plus.org/downloads/>
- Visual Studio Code
 - <https://code.visualstudio.com/>
- Git
 - <https://git-scm.com/>
- 7zip
 - <https://www.7-zip.org/>
- Jre8
 - <https://www.oracle.com/java/technologies/javase-jre8-downloads.html>

SQL Server 2019 Developer Edition

Automated Installation

- Open PowerShell as an Administrator
- Open Prerequisites folder location in PowerShell
- Run Command– “.\Install-SQL2019.ps1”

Above steps will install all the SQL SERVER 2019 along with SQL SERVER MANAGEMENT STUDIO



Thank You