



**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). Each workload card features an icon, a title, a brief description, and a checkbox to indicate selection.

Workloads	Individual components	Language packs	Installation locations
<b>Web &amp; Cloud (4)</b>			
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"/>		
<b>Desktop &amp; Mobile (5)</b>			
.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"/>		
<b>Workloads</b> <b>Individual components</b> <b>Language packs</b> <b>Installation locations</b>			
<b>Gaming (2)</b>			
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"/>		
<b>Other Toolsets (6)</b>			
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**