Visual Studio 2019 Installation

Welcome to Visual Studio 2019! In this version, it's easy to choose and install just the features you need. And because of its reduced minimum footprint, it installs quickly and with less system impact.

Note
This topic applies to installation of Visual Studio on Windows. **Visual Studio Code** is a lightweight, cross-platform development environment that runs on Windows, Mac, and Linux systems. The Microsoft **C/C++ for Visual Studio Code** extension supports IntelliSense, debugging, code formatting, auto-completion. Visual Studio for Mac doesn't support Microsoft C++, but does support .NET languages and cross-platform development. For installation instructions, see **Install Visual Studio for Mac**.

Step 1 - Make sure your computer is ready for Visual Studio
Before you begin installing Visual Studio:

1. Check the system requirements. These requirements help you know whether your computer supports Visual Studio 2019.
2. Apply the latest Windows updates. These updates ensure that your computer has both the latest security updates and the required system components for Visual Studio.
3. Reboot. The reboot ensures that any pending installs or updates don't hinder the Visual Studio install.
4. Free up space. Remove unneeded files and applications from your %SystemDrive% by, for example, running the Disk Cleanup app.

For questions about running previous versions of Visual Studio side by side with Visual Studio 2019, see the Visual Studio 2019 Platform Targeting and Compatibility page.

Step 2 - Download Visual Studio
Next, download the Visual Studio bootstrapper file. To do so, choose the following button, choose the edition of Visual Studio that you want, choose **Save**, and then choose **Open folder**.

Download Visual Studio

Step 3 - Install the Visual Studio installer
Run the bootstrapper file to install the Visual Studio Installer. This new lightweight installer includes everything you need to both install and customize Visual Studio.

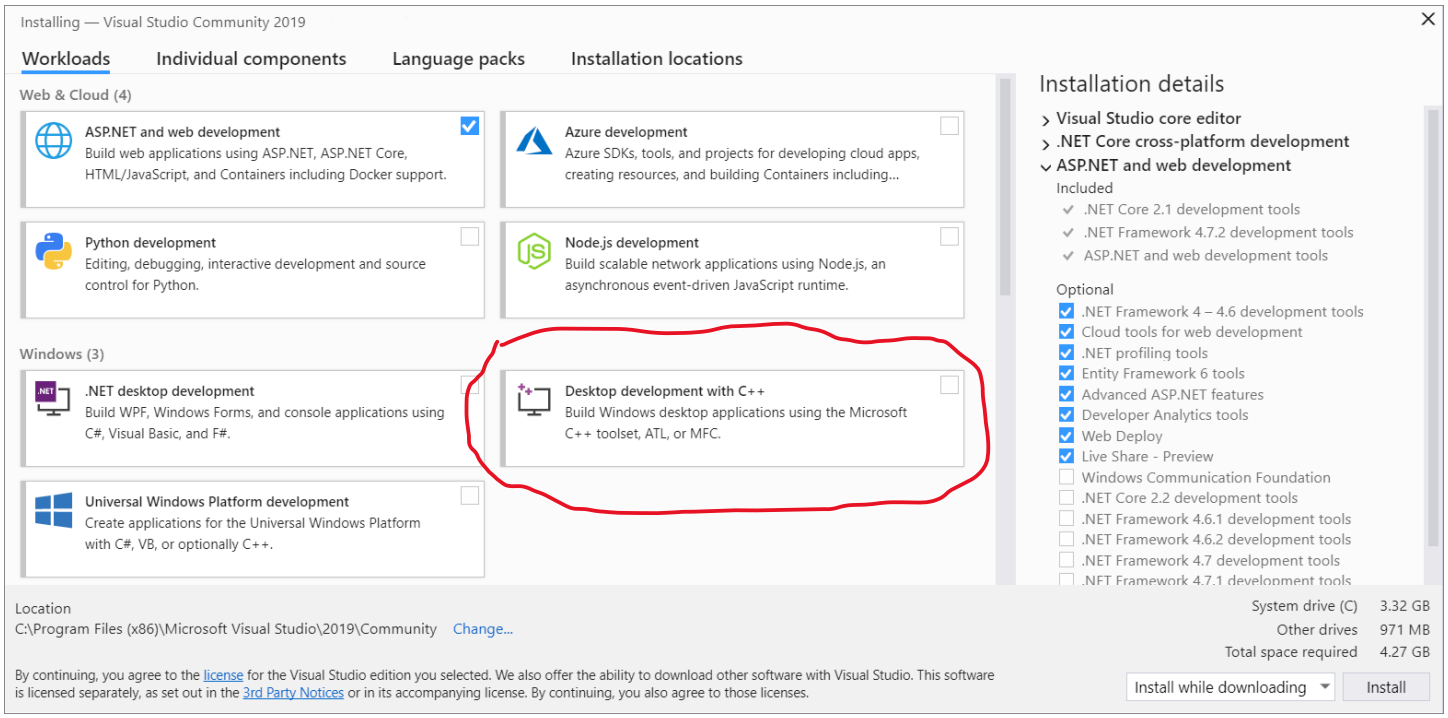
1. From your **Downloads** folder, double-click the bootstrapper that matches or is similar to one of the following files:
   - **vs_community.exe** for Visual Studio Community
   - **vs_professional.exe** for Visual Studio Professional
   - **vs_enterprise.exe** for Visual Studio Enterprise

   If you receive a User Account Control notice, choose **Yes**.

2. We'll ask you to acknowledge the Microsoft License Terms and the Microsoft Privacy Statement. Choose **Continue**.

Step 4 - Choose workloads
After the installer is installed, you can use it to customize your installation by selecting the *workloads*, or feature sets, that you want. Here's how.

1. Find the workload you want in the **Installing Visual Studio** screen.



For core C++ support, choose the **"Desktop development with C++"** workload. It comes with the default core editor, which includes basic code editing support for over 20 languages, the ability to open and edit code from any folder without requiring a project, and integrated source code control.

Additional workloads support other kinds of C++ development. For example, choose the "Universal Windows Platform development" workload to create apps that use the Windows Runtime for the Microsoft Store. Choose "Game development with C++" to create games that use DirectX, Unreal, and Cocos2d. Choose "Linux development with C++" to target Linux platforms, including IoT development.

The **Installation details** pane lists the included and optional components installed by each workload. You can select or deselect optional components in this list. For example, to support development by using the Visual Studio 2017 or 2015 compiler toolsets, choose the MSVC v141 or MSVC v140 optional components. You can add support for MFC, the experimental Modules language extension, IncrediBuild, and more.

2. After you choose the workload(s) and optional components you want, choose **Install**.

   Next, status screens appear that show the progress of your Visual Studio installation.

Tip
At any time after installation, you can install workloads or components that you didn't install initially. If you have Visual Studio open, go to **Tools** > **Get Tools and Features...** which opens the Visual Studio Installer. Or, open **Visual Studio Installer** from the Start menu. From there, you can choose the workloads or components that you wish to install. Then, choose **Modify**.

Additional installation details can be found here -> https://docs.microsoft.com/en-us/cpp/build/vscpp-step-0-installation?view=vs-2019