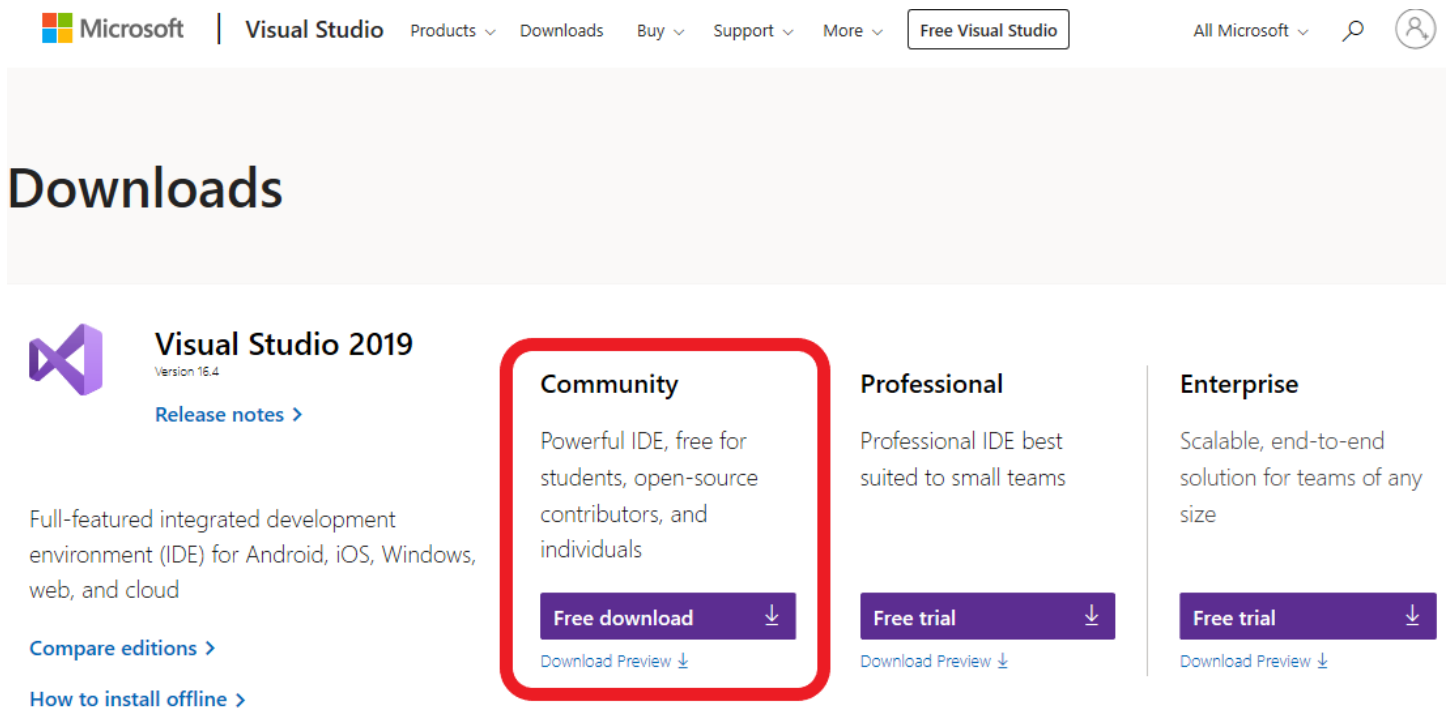


# Downloading and Installing Visual Studio Community 2019


1. Search in Google search “Visual Studio Community 2019 download”. This should bring up the download page. Click the “Free download” for the Community edition. This will download an installer that you’ll use to actually install Visual Studio.



The screenshot shows the Microsoft Visual Studio website. The navigation bar at the top includes the Microsoft logo, 'Visual Studio', and links for 'Products', 'Downloads', 'Buy', 'Support', and 'More'. A 'Free Visual Studio' button is also present. The main heading is 'Downloads'. Below this, the 'Visual Studio 2019' section is displayed, featuring the Visual Studio logo and the text 'Version 16.4' and 'Release notes >'. A description states: 'Full-featured integrated development environment (IDE) for Android, iOS, Windows, web, and cloud'. Below the description are links for 'Compare editions >' and 'How to install offline >'. The 'Community' edition is highlighted with a red border. It is described as a 'Powerful IDE, free for students, open-source contributors, and individuals' and has a 'Free download' button with a download icon. Below the button is a link for 'Download Preview >'. The 'Professional' edition is described as a 'Professional IDE best suited to small teams' and has a 'Free trial' button with a download icon and a 'Download Preview >' link. The 'Enterprise' edition is described as a 'Scalable, end-to-end solution for teams of any size' and has a 'Free trial' button with a download icon and a 'Download Preview >' link.

Microsoft | Visual Studio Products ▾ Downloads Buy ▾ Support ▾ More ▾ [Free Visual Studio](#) All Microsoft ▾ 🔍

## Downloads



### Visual Studio 2019

Version 16.4

[Release notes >](#)

Full-featured integrated development environment (IDE) for Android, iOS, Windows, web, and cloud

[Compare editions >](#)

[How to install offline >](#)

#### Community

Powerful IDE, free for students, open-source contributors, and individuals

[Free download](#) ⬇

[Download Preview >](#)

#### Professional

Professional IDE best suited to small teams

[Free trial](#) ⬇

[Download Preview >](#)

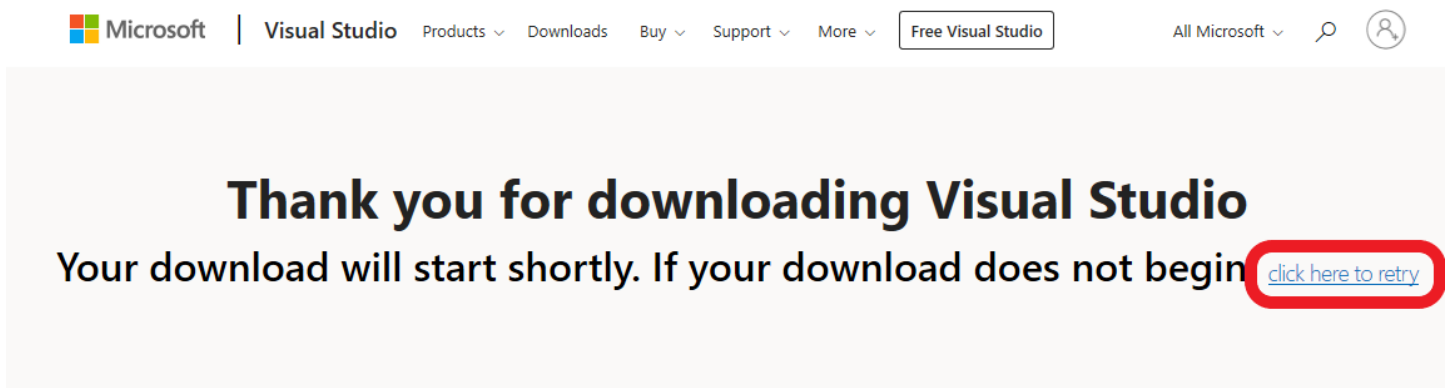
#### Enterprise

Scalable, end-to-end solution for teams of any size

[Free trial](#) ⬇

[Download Preview >](#)

2. If the download doesn't automatically start, click on "Click here to retry". The file `vs_Community.exe` should now be downloaded. Locate that file and run it. Follow the prompts to install the Visual Studio Installer.



## Start developing with Visual Studio



## Installation instructions

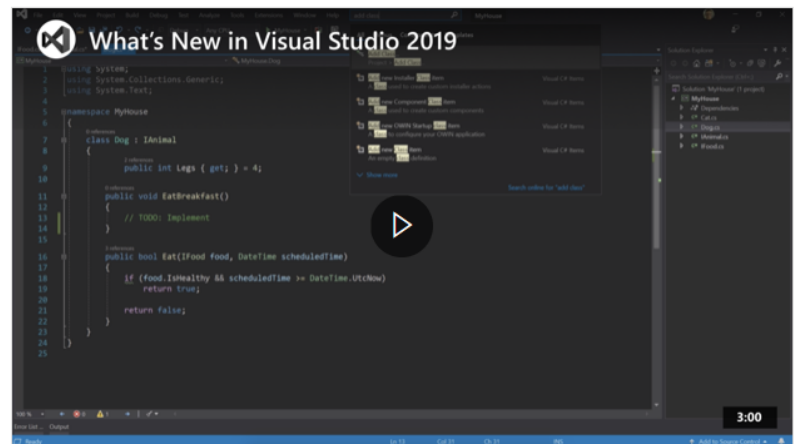
Need help with your install? Check out our help documentation for installing Visual Studio.

[Instructions >](#)

## Quickstart guide

Try out [this tutorial](#) for developing your first C++ console application.

[Calculator app tutorial](#) >



### 3. Click “Install” under Visual Studio Community 2019.

## Visual Studio Installer

Installed

Available



### Visual Studio Enterprise 2019

16.4.2

Scalable, end-to-end solution for teams of any size

[License terms](#) | [Release notes](#)

Install

More ▼



### Visual Studio Professional 2019

16.4.2

Professional IDE best suited to small teams

[License terms](#) | [Release notes](#)

Install

More ▼



### Visual Studio Community 2019

16.4.2

Powerful IDE, free for students, open-source contributors, and individuals

[License terms](#) | [Release notes](#)

Install

More ▼

4. The installer should automatically start once it's installed. There are many Workloads you can choose to install. With each Workload there are additional Installation details you can configure. The Workloads and associated configurations I used for my installation are shown at the end of this document.
5. Once all of the Workloads have been selected and the installation details specified, click install. This will kick off a large download (mine was over 5 ½ GB).
6. The first time you run Visual Studio it will ask you to sign in to an Azure account. Click "Not now, maybe later."

×

# Visual Studio

Welcome!

Connect to all your developer services.

Sign in to start using your Azure credits, publish code to a private Git repository, sync your settings, and unlock the IDE.

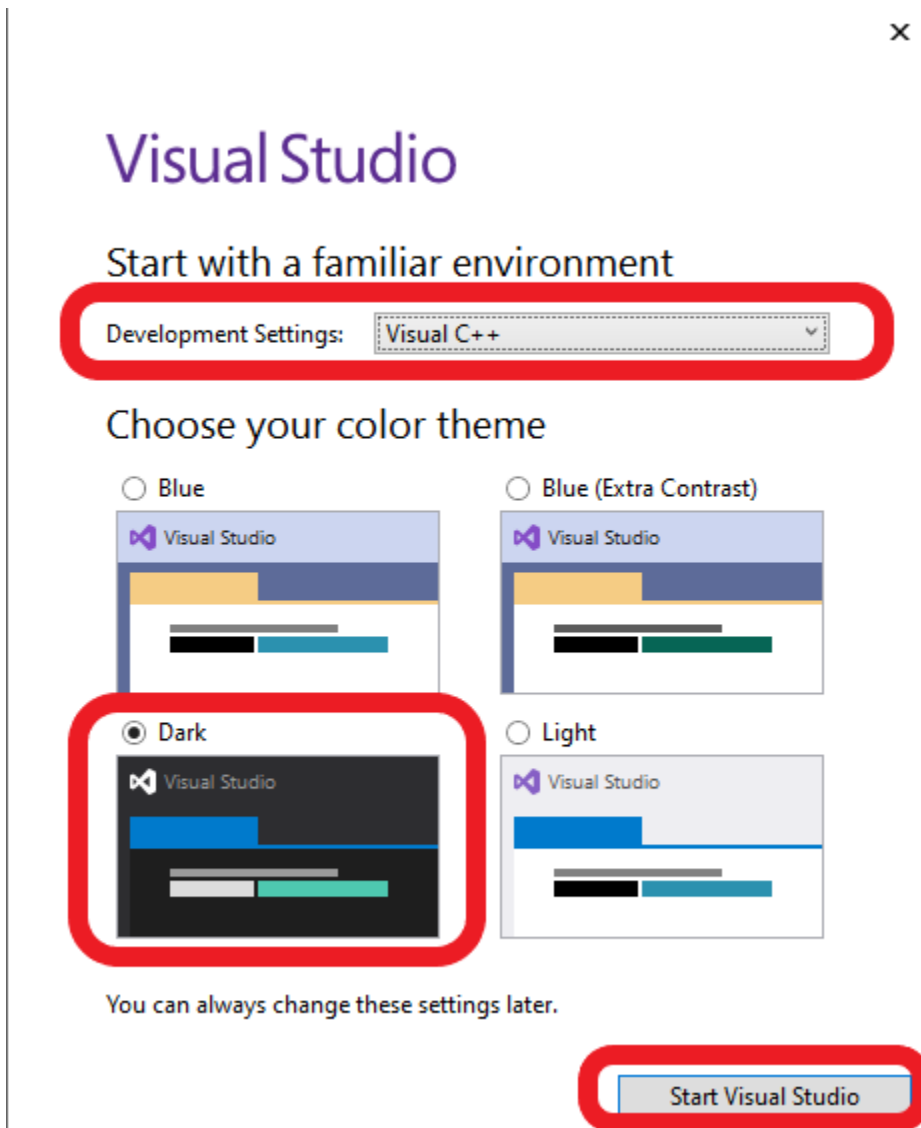
[Learn more](#)

Sign in

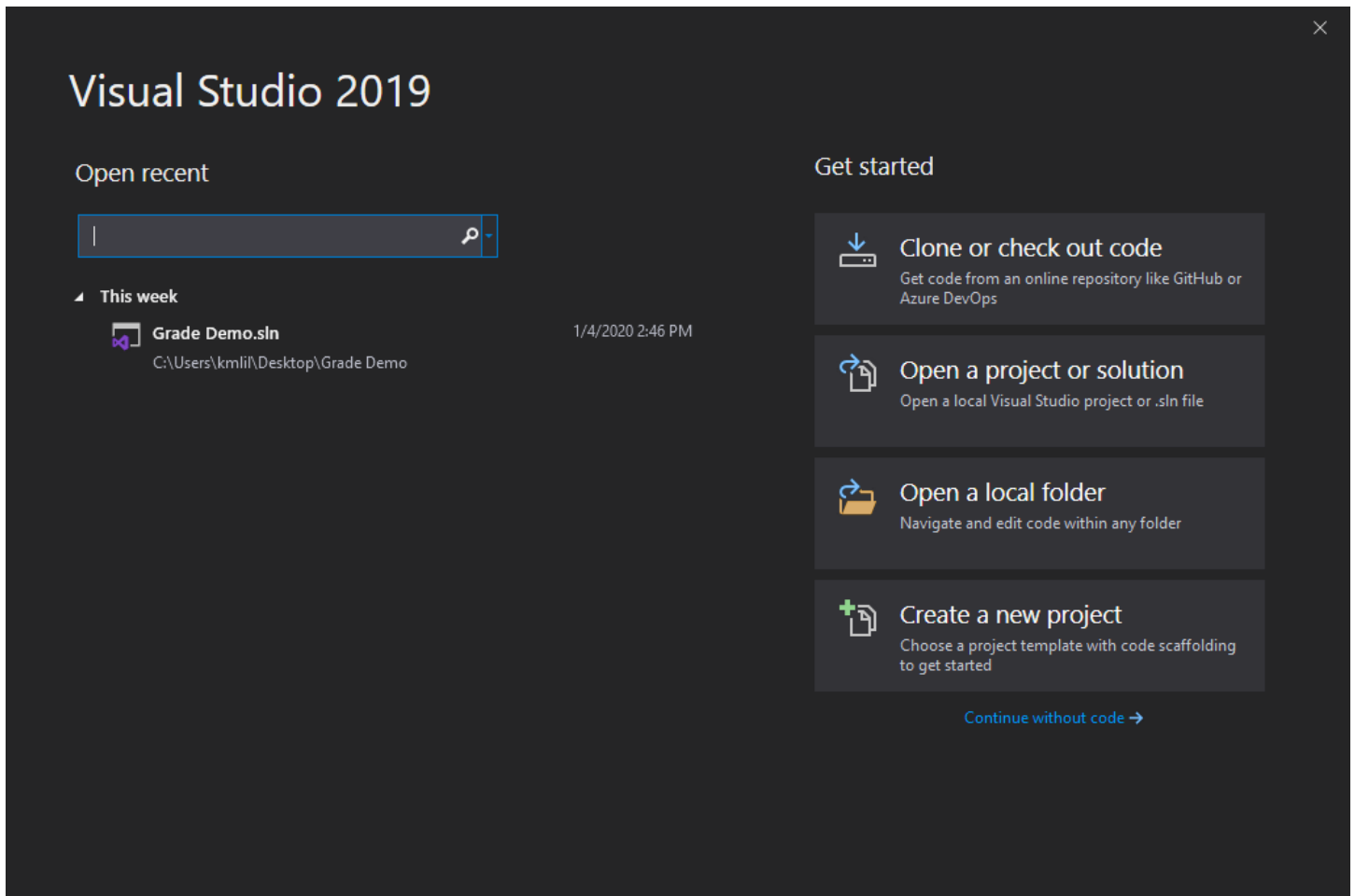
No account? [Create one!](#)

[Not now, maybe later.](#)

7. Now you have to set up your development environment. You should select Development Settings for C++ and chose a color theme. I like Dark mode, but you can use whichever one you like. When you're done, click "Start Visual Studio".



8. Visual Studio is now running. See the separate tutorial for writing your first C++ program.



## Below are the Workloads and configurations I used.

### Python



#### Python development

Editing, debugging, interactive development and source control for Python.



#### ✓ Python development

Included

- ✓ Python language support

Optional

- ☒ Python miniconda
- ☒ Python web support
- ☒ Python 3 64-bit (3.7.4)
- ☒ Live Share
- ☐ Python native development tools
- ☐ Azure Cloud Services core tools
- ☐ Python 2 64-bit (2.7.16)
- ☐ Python 3 32-bit (3.7.4)
- ☐ Python 2 32-bit (2.7.16)



## .NET desktop development

Build WPF, Windows Forms, and console applications using C#, Visual Basic, and F# with .NET Core and .NET...



### Optional

- ☒ .NET Core development tools
- ☒ .NET Core 2.1 LTS Runtime
- ☒ .NET Framework 4 – 4.6 development tools
- ☒ Blend for Visual Studio
- ☒ Entity Framework 6 tools
- ☒ .NET profiling tools
- ☒ IntelliTrace
- ☒ Just-In-Time debugger
- ☒ Live Unit Testing
- ☒ Live Share
- ☐ F# desktop language support
- ☐ PreEmptive Protection - Dotfuscator
- ☐ .NET Framework 4.6.1 development tools
- ☐ .NET Framework 4.6.2 development tools
- ☐ .NET Framework 4.7 development tools
- ☐ .NET Framework 4.7.1 development tools
- ☐ .NET Framework 4.8 development tools
- ☐ .NET Portable Library targeting pack
- ☐ Windows Communication Foundation
- ☐ Architecture and analysis tools
- ☐ SQL Server Express 2016 LocalDB
- ☐ MSIX Packaging Tools





### Desktop development with C++

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



#### ▼ Desktop development with C++

##### Included

- ✓ C++ core desktop features

##### Optional

- ✓ MSVC v142 - VS 2019 C++ x64/x86 build tools (...)
- ✓ Windows 10 SDK (10.0.18362.0)
- ✓ Just-In-Time debugger
- ✓ C++ profiling tools
- ✓ C++ CMake tools for Windows
- ✓ C++ ATL for latest v142 build tools (x86 & x64)
- ✓ Test Adapter for Boost.Test
- ✓ Test Adapter for Google Test
- ✓ Live Share
- ✓ IntelliCode
- ✓ IntelliTrace
- ✓ C++ MFC for latest v142 build tools (x86 & x64)
- ✓ C++/CLI support for v142 build tools (14.23)
- ✓ C++ Modules for v142 build tools (x64/x86 – ex...)
- ✓ C++ Clang tools for Windows (8.0.1 - x64/x86)
- ☐ IncrediBuild - Build Acceleration
- ☐ Windows 10 SDK (10.0.17763.0)
- ☐ Windows 10 SDK (10.0.17134.0)
- ☐ Windows 10 SDK (10.0.16299.0)
- ☐ MSVC v141 - VS 2017 C++ x64/x86 build tools (...)
- ☐ MSVC v140 - VS 2015 C++ build tools (v14.00)



## Universal Windows Platform development



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

### Universal Windows Platform development

#### Included

- ✓ Blend for Visual Studio
- ✓ .NET Native and .NET Standard
- ✓ NuGet package manager
- ✓ Universal Windows Platform tools
- ✓ Windows 10 SDK (10.0.18362.0)
- ✓ IntelliCode

#### Optional

- ☒ IntelliTrace
- ☐ USB Device Connectivity
- ☒ C++ (v142) Universal Windows Platform tools
- ☒ C++ (v141) Universal Windows Platform tools
- ☒ Graphics debugger and GPU profiler for DirectX
- ☐ Windows 10 SDK (10.0.17763.0)
- ☐ Windows 10 SDK (10.0.17134.0)
- ☐ Windows 10 SDK (10.0.16299.0)
- ☐ Architecture and analysis tools



## Linux development with C++

Create and debug applications running in a Linux environment.



### ✓ Linux development with C++

#### Included

- ✓ C++ core features
- ✓ C++ for Linux Development

#### Optional

- ☒ C++ CMake tools for Linux
- ☐ Embedded and IoT development tools