

## Task 0 – Visual Studio IDE Installation

This file contains instructions to install the following software:

- Visual Studio 2017 (if you are using Windows)
- Visual Studio Code (if you are using Linux)

### What is Visual Studio 2017?

Visual Studio is an Integrated Development Environment (IDE) available for Windows and macOS. It comes with a built-in support for different programming languages.

### Installation Instructions for Visual Studio in Windows:

**Note:** This document offers a concise walk-through of the Visual Studio 2017 installation.

- Download **Visual Studio 2017** for your **Windows** machine from this link: [website](#).
- Click on **Download Visual Studio** button and select **Community 2017**.
- Click the downloaded file to run the setup. Accept the terms and conditions to install the software. Go through the next steps until the window shown in Figure 1 appears.
- Select the “Desktop development with C++” option. Press Install.

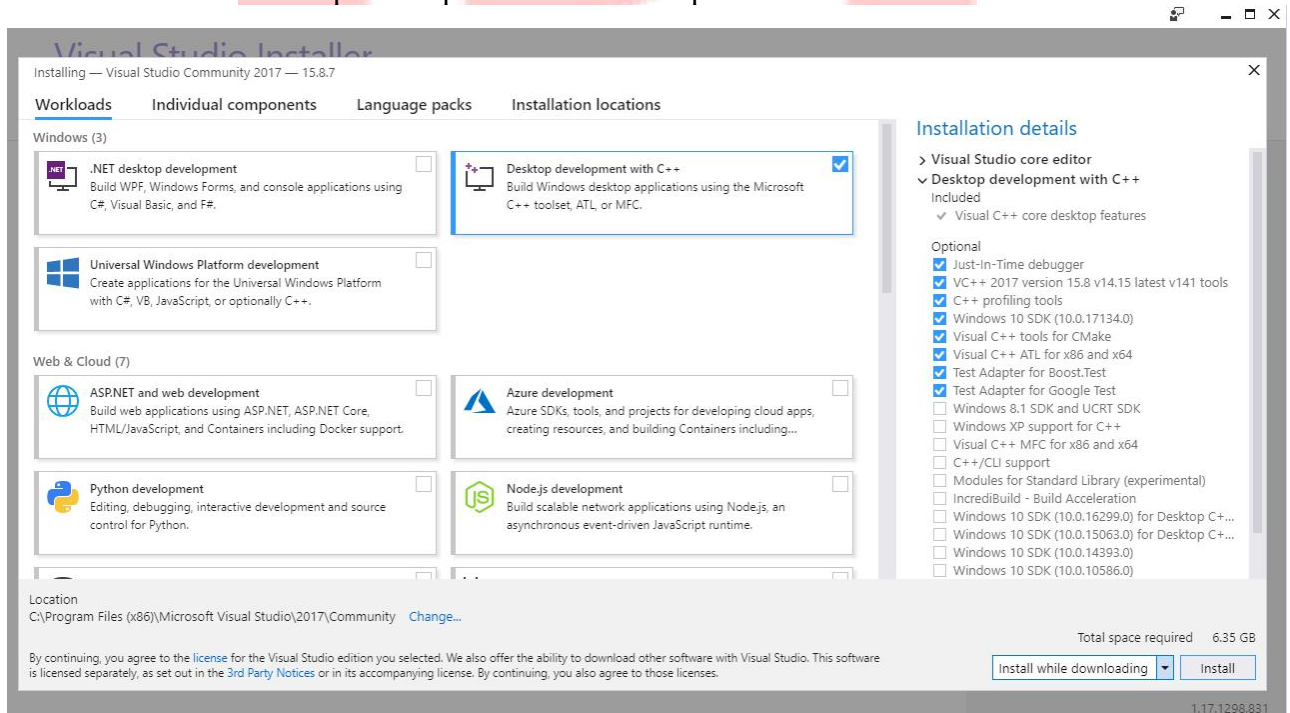


Figure 1: Workload Selection Screen

- Your installation should start as shown in Figure 2.

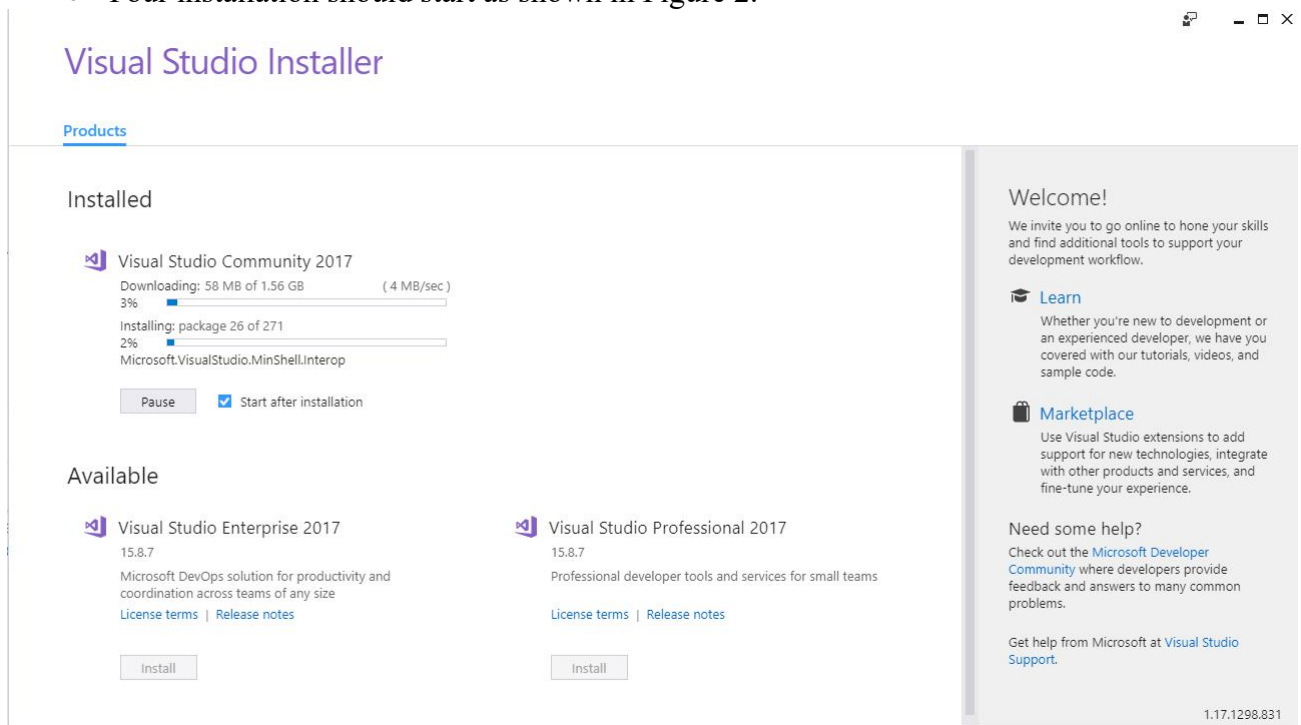


Figure 2: Visual Studio 2017 Installation in Progress

- After installation, you will be asked to Sign in to your Microsoft account, as shown in Figure 3, alternatively you can choose the "Not now, maybe later." option.

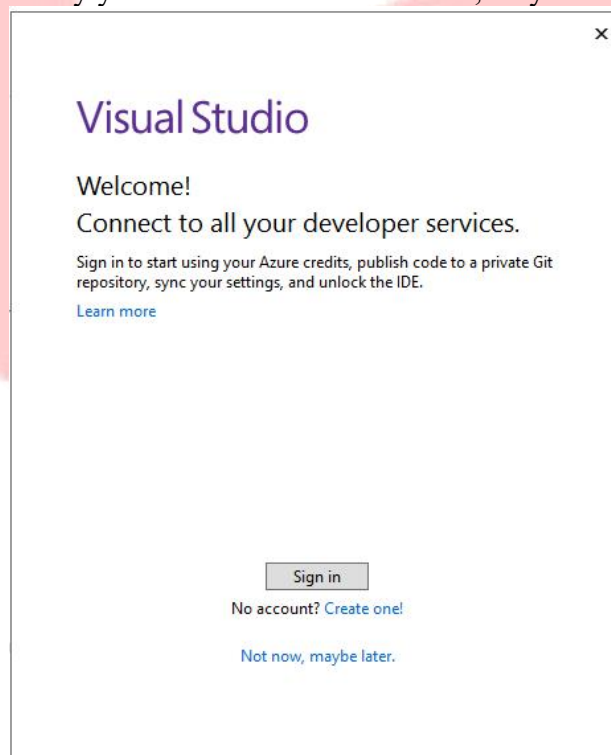


Figure 3: The Sign in option

- The window shown in Figure 4 would appear. Choose Visual C++ from the Development Settings drop-down list. Choose any color scheme you like.

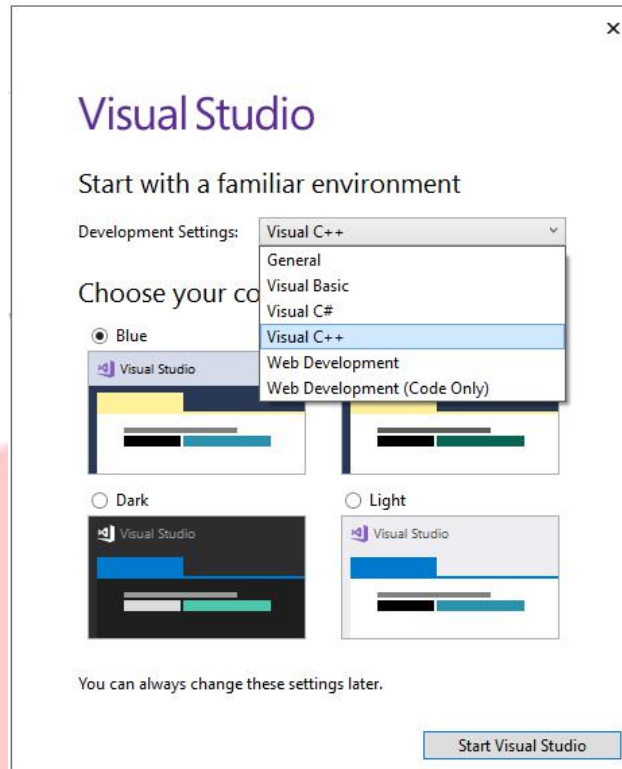


Figure 4: Development Settings and Color Scheme Window

## Installation Instructions for Visual Studio Code in Linux-based systems:

### What is Visual Studio Code?

Visual Studio Code is a free and open source code editor available for Windows, MacOS and Linux. It comes with a built-in support to different scripting languages and programming languages.

### Installing instructions:

This document assumes that the host OS on which Visual Studio Code is to be installed is Ubuntu 16.04 or higher version. This document offers a very concise walk-through of the Visual Studio Code installation. For a detailed explanation, please visit the website - [Linux Instruction](#)

Follow the guidelines to run Visual Studio Code:

- Download Visual Studio Code for Ubuntu ([64-bit](#)) / ([32-bit](#)) [Direct Download].
- Open terminal and enter the following command:

```
sudo dpkg -i '/path/file_name.deb'
```

- Enter the following command in order to install the dependencies:

```
sudo apt-get install -f
```

- After completion, in the terminal, type **code** to run Visual Studio Code. A window should open as shown in Figure 2 below:

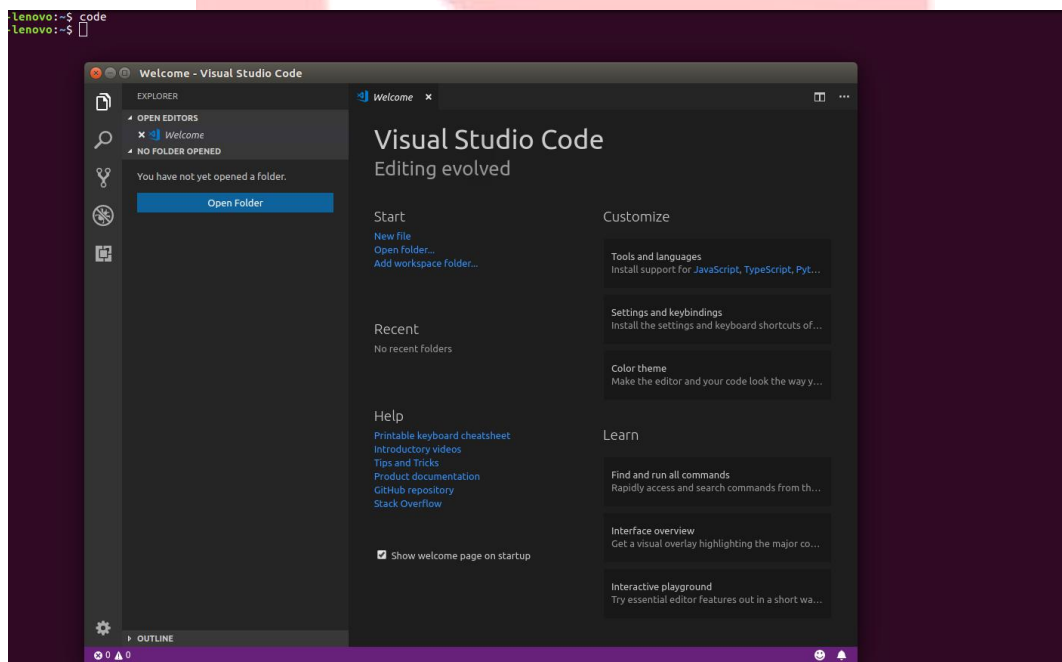


Figure 2: Visual Studio Code Interface