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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.

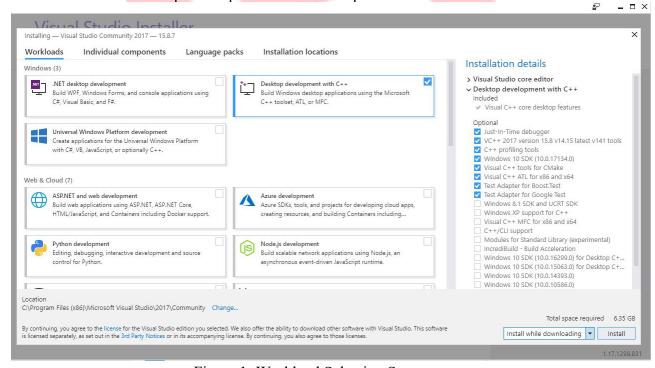


Figure 1: Workload Selection Screen





Install

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• Your installation should start as shown in Figure 2. _ 🗆 X Visual Studio Installer Products Installed Welcome! We invite you to go online to hone your skills and find additional tools to support your Visual Studio Community 2017 development workflow Downloading: 58 MB of 1.56 GB (4 MB/sec) Whether you're new to development or an experienced developer, we have you covered with our tutorials, videos, and Installing: package 26 of 271 Microsoft.VisualStudio.MinShell.Interop sample code. Pause Start after installation Marketplace Use Visual Studio extensions to add support for new technologies, integrate with other products and services, and fine-tune your experience. Available Visual Studio Enterprise 2017 Visual Studio Professional 2017 Need some help? Check out the Microsoft Developer Community where developers provide 15.8.7 15.8.7 Microsoft DevOps solution for productivity and coordination across teams of any size Professional developer tools and services for small teams feedback and answers to many common License terms | Release notes License terms | Release notes Get help from Microsoft at Visual Studio

Figure 2: Visual Studio 2017 Installation in Progress

Install

• 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.

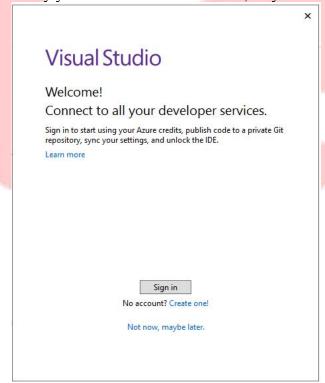


Figure 3: The Sign in option



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

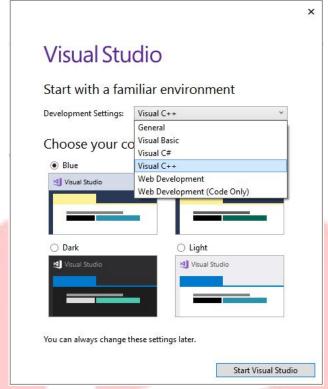


Figure 4: Development Settings and Color Scheme Window



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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 - <u>Linux Instruction</u> 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:

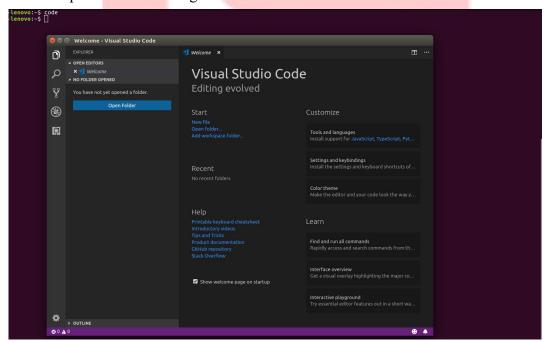


Figure 2: Visual Studio Code Interface

