

**PORTLAND STATE UNIVERSITY**

**ECE 371/372 – Microprocessors**

**Prof. Douglas Hall**

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# **Installing Code Composer Studio on your Personal Computer**

## **-Windows 10-**

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**Contributions:**

Tyler Hull

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# Preface

This document will show you how you can install Texas Instruments' Code Composer Studio on your personal computer. This document is specific to Windows users, but there are additional guides for Linux and Mac users. Please refer to the installation document for your operating system for help with installation of CCS.

## Version Compatibility

Code Composer Studio is free to download and use on your personal computer. In the labs, we are supporting Version 8 of CCS, and this guide will also show you how to download and install Version 8. There are newer versions of CCS, and you are free to download and use those if you like. However, there may be limited support and you may have issues with running your code both on your system and the systems in the lab. We recommend that you use the same version as is used in the lab for the best compatibility.

## System Compatibility

This guide will show you how to download and install CCS V8 on a Windows 10 system. You can also install/run the software on a Linux or Mac system. Please refer to the system specifics guides for installing CCS on a different operating system.

## Downloads

Installation software can be downloaded at the link below.

- **Code Composer Studio Download:**
  - [https://software-dl.ti.com/ccs/esd/documents/ccs\\_downloads.html](https://software-dl.ti.com/ccs/esd/documents/ccs_downloads.html)
  - **Click the link above then Scroll down on the to find the download links for CCSV8, or select version 8 from the list of links on the right.**

# Installing Code Composer Studio V8 on your Windows 10 Computer

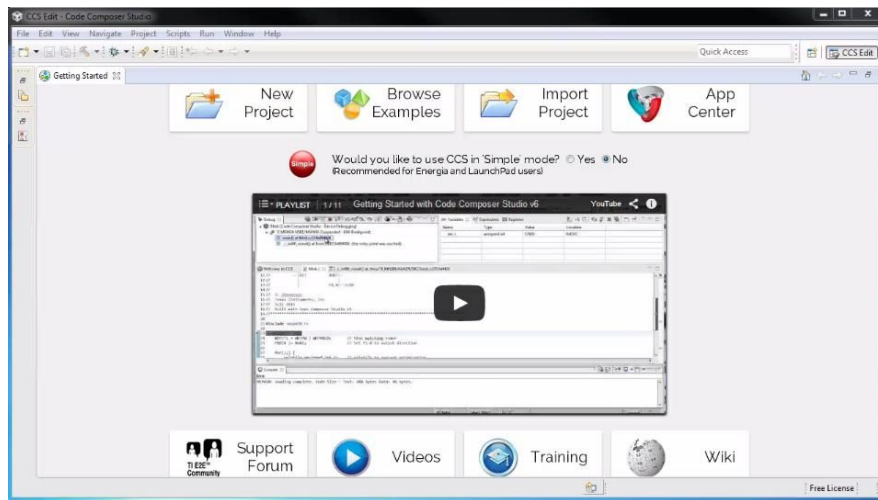


Figure 1 : Home screen of Code Composer Studio after installation

## Downloading the Installation Packages

### Find Version 8 of Code Composer Studio

- Visit this link to find the available Downloads for your system.
  - [https://software-dl.ti.com/ccs/esd/documents/ccs\\_downloads.html](https://software-dl.ti.com/ccs/esd/documents/ccs_downloads.html)
- Scroll down until you find the installer packages for Version 8.
- Then click on the link in the download column that says Windows.
- You should now see the file downloading in your browser.

## Code Composer Studio Version 8 Downloads

Release	Build #	Date	Download	Notes
8.3.1	8.3.1.00004	May 3, 2019	<b>Off-line Installers:</b> <b>Windows MD5</b> <b>Linux MD5</b> - 64-bit only <b>MacOS MD5</b>  <b>Manifest</b>	<ul style="list-style-type: none"><li>• <b>New/Notable In This Release (8.3.1.00004):</b></li><li>• <a href="#">Release notes</a></li></ul> Debugger <ul style="list-style-type: none"><li>• Fix for crash on reconnect when using hardware breakpoints on C26/13xx devices.</li><li>• EMU19_M02_PATCH2 8.1.0.00012</li></ul> IDE <ul style="list-style-type: none"><li>• Bug and stability fixes REX v3.7.0</li></ul> Device support updates <ul style="list-style-type: none"><li>• Fix for CC323x Flash issue on Linux</li></ul>

Figure 2 : CCS V8 installer packages from the TI downloads page

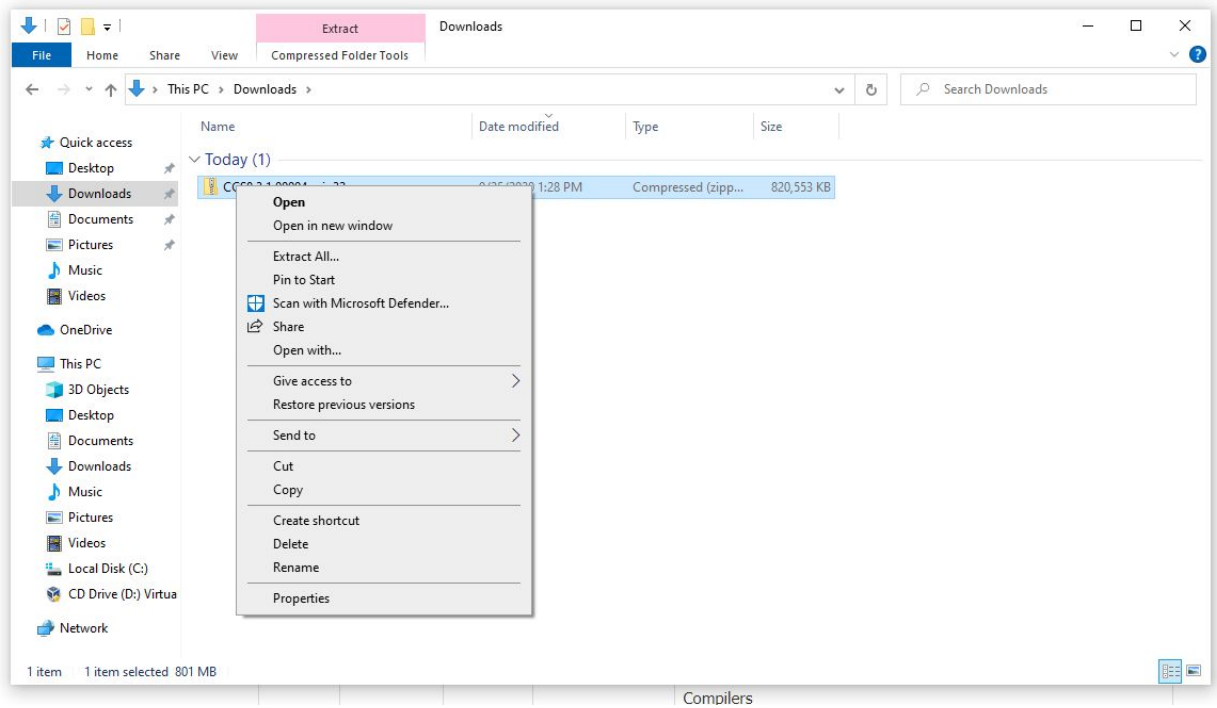


Figure 3 : Extract all from the file you downloaded

## Extracting the downloaded file

- Navigate to your downloads folder and unzip the downloaded file
- Open the unzipped folder and find the CCS\_Setup file.
- Run the CCS\_Setup application and follow the setup steps below.

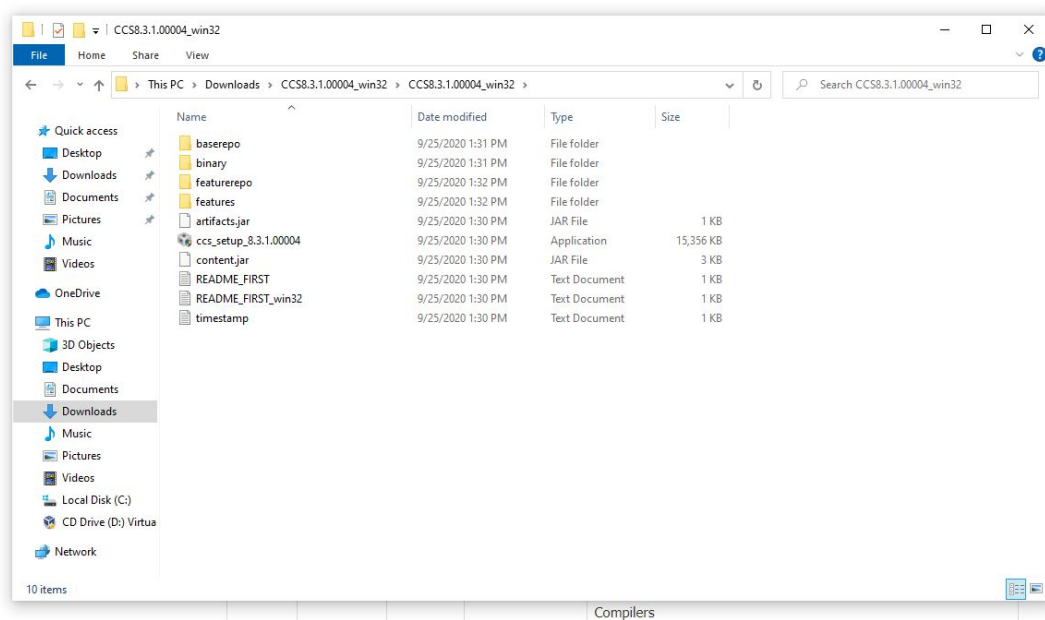


Figure 4 : Run the setup application to get started installing

## Starting the Installer application

- Allow the application to make changes to your system.
- Wait for the pre-install checks to complete and click continue.
- Accept the license agreement.
- Choose an installation location on your system.

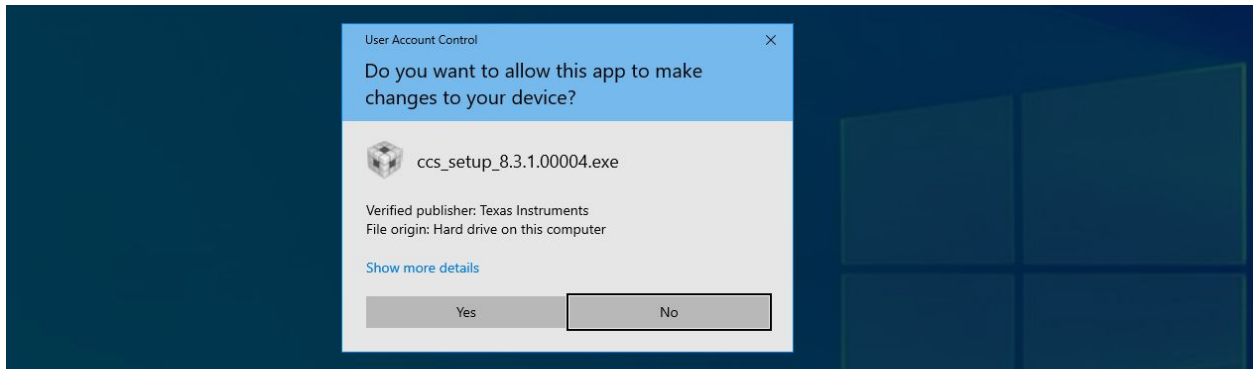


Figure 5 : Allow the app to make changes to your system

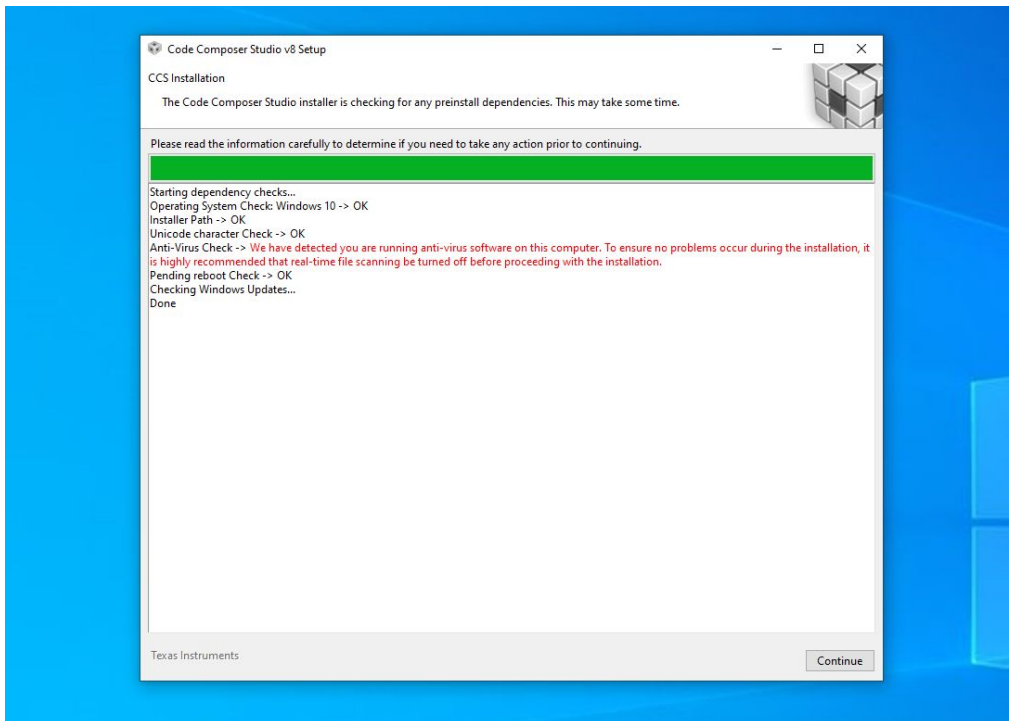
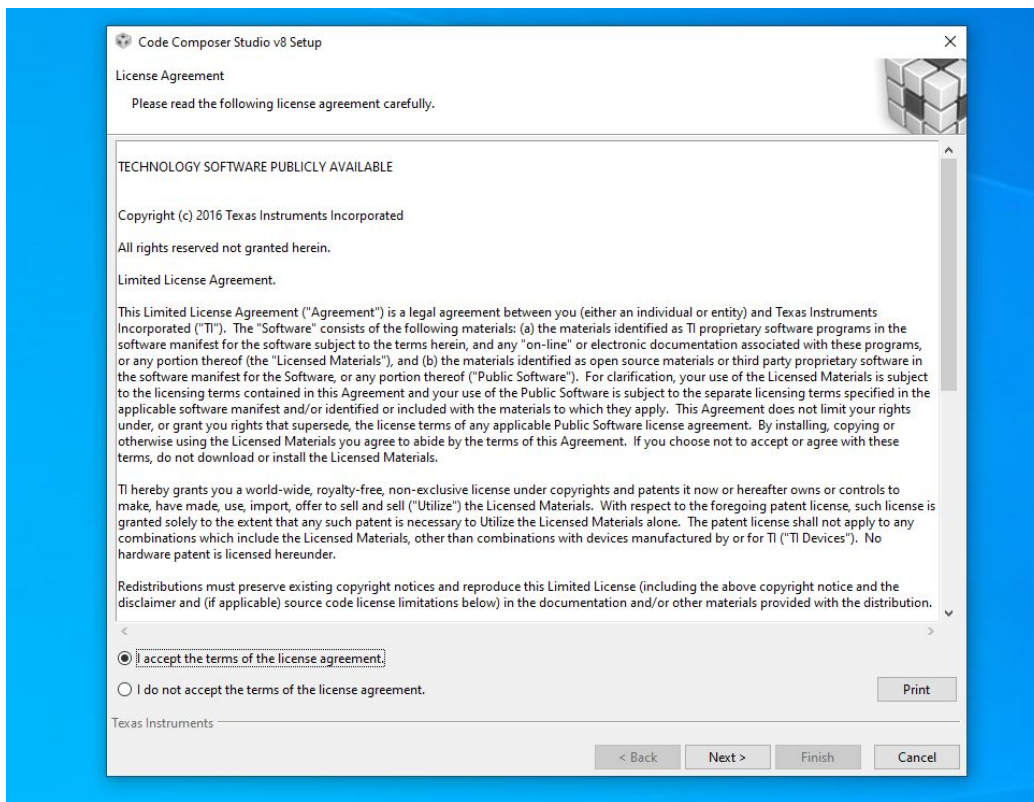
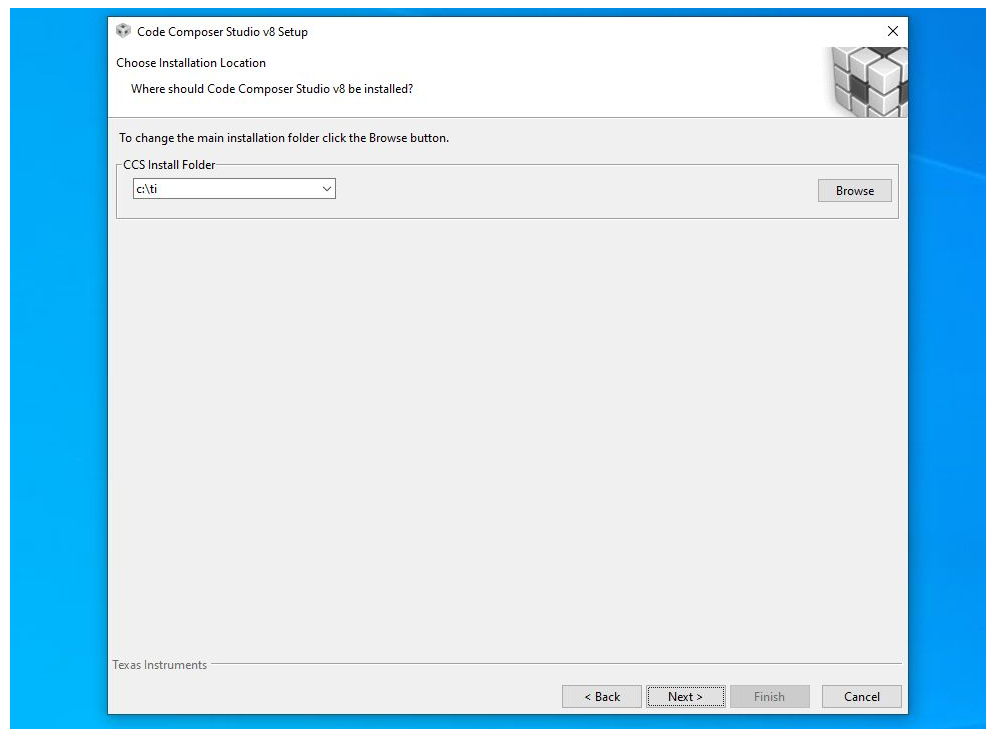


Figure 6 : Click continue after pre-install checks have completed



**Figure 7 : Accept the terms of the license agreement**



**Figure 8 : Choose an install location and click Next**

## Selecting the Correct Processor Family and Emulator

- Choose the Sitara family of processors from the list of processors.
  - Feel free to select other families as well if you like.
- Choose TI and Blackhawk debug probes from the list of emulator options.

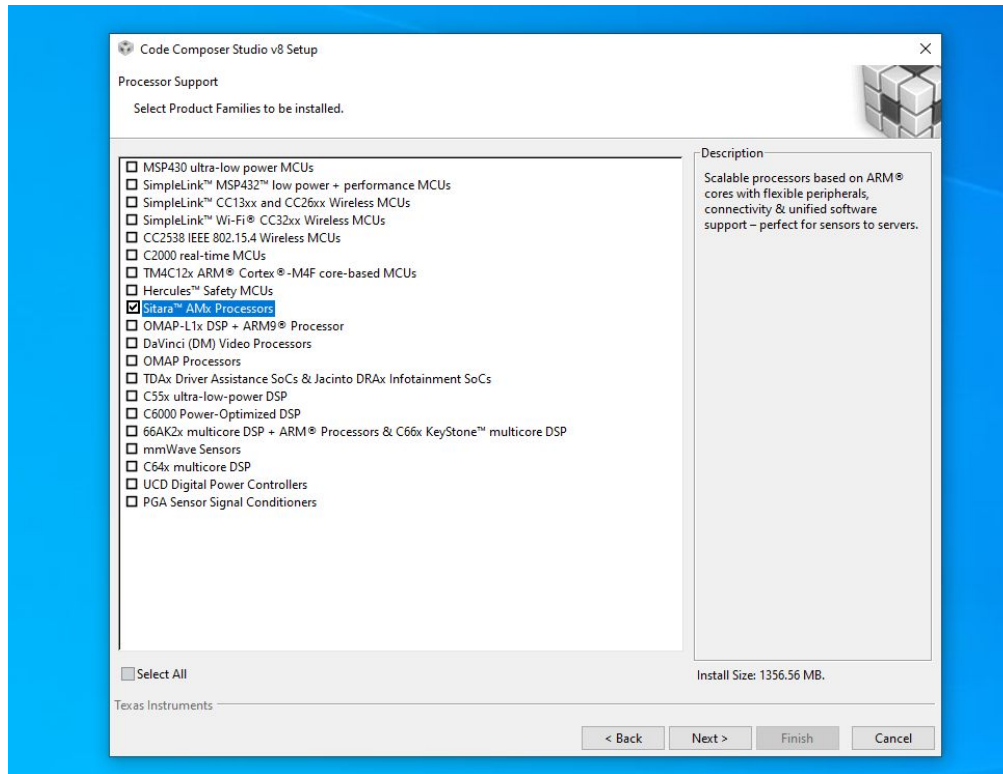
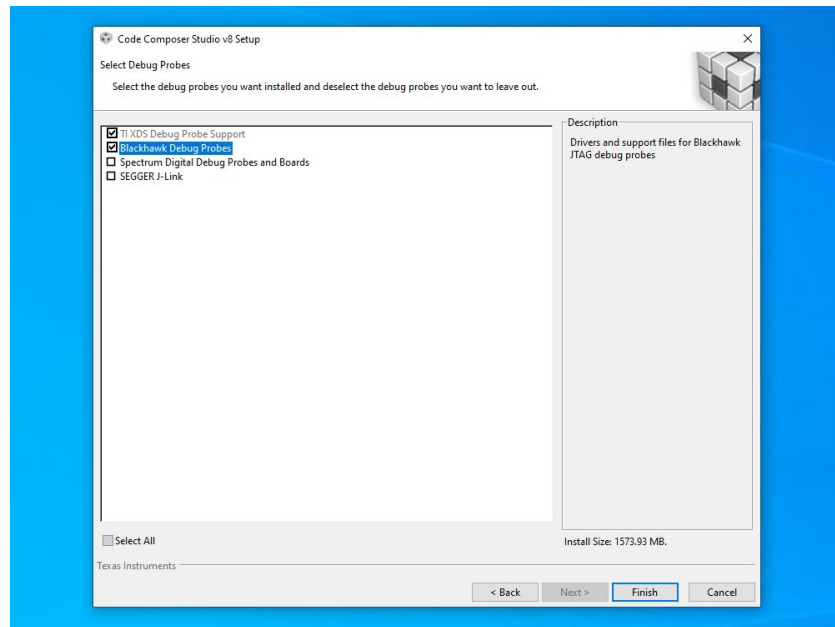


Figure 9 : Select the processor family for the BeagleBone Black

**NOTE:** If you don't select the Sitara family of processors, CCS won't work with the BeagleBone Black. Feel free to select more processor families if you like. Then you can use CCS for other embedded projects later on.



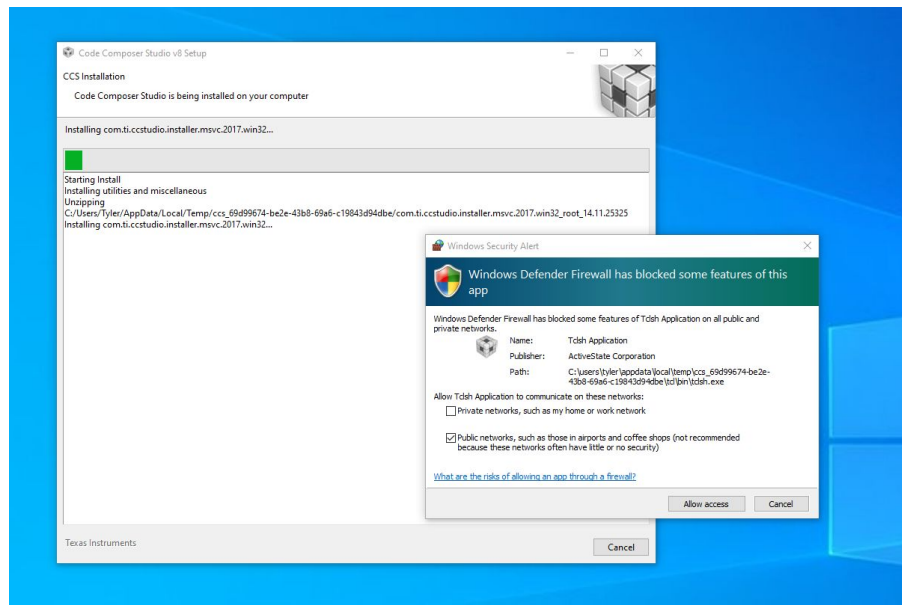


**Figure 10 : Select the emulator you are using**

**NOTE:** If you are using a rented or purchased Blackhawk emulator, or if you are using a rented Ashling emulator, you need to select the Blackhawk Debug Probes option.

## Finishing installation and Launching CCS

- Allow access to the installation application again.
- Wait for the installation to complete. (This will take some time)
- Launch CCS from the desktop icon.



**Figure 11 : Allow access to install the software on your system**

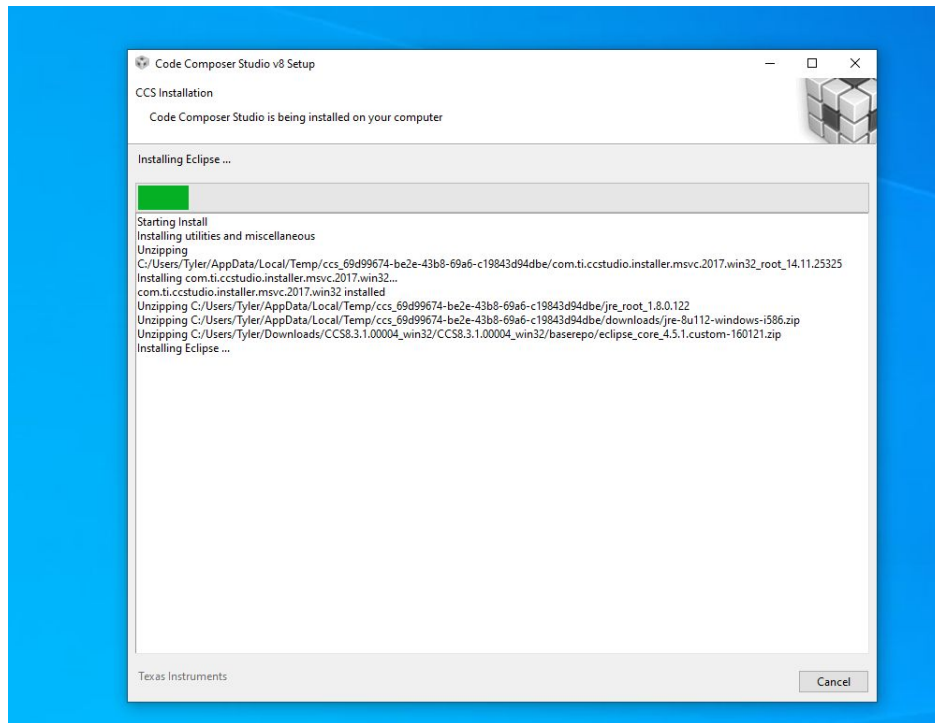


Figure 12 : Wait for the installation to finish

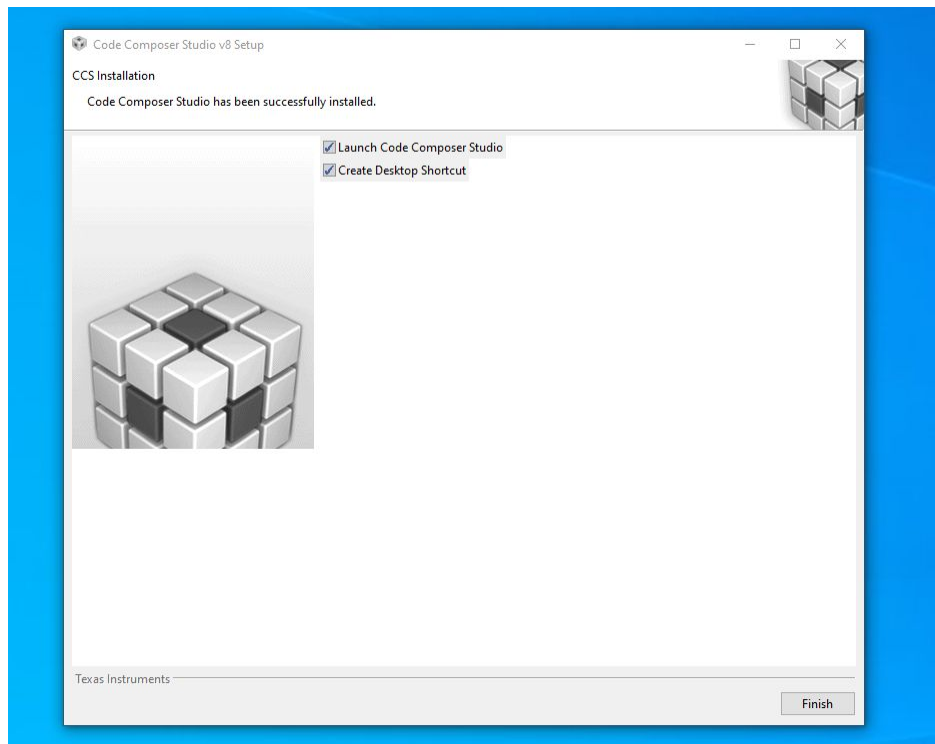


Figure 13 : Click finish and launch CCS

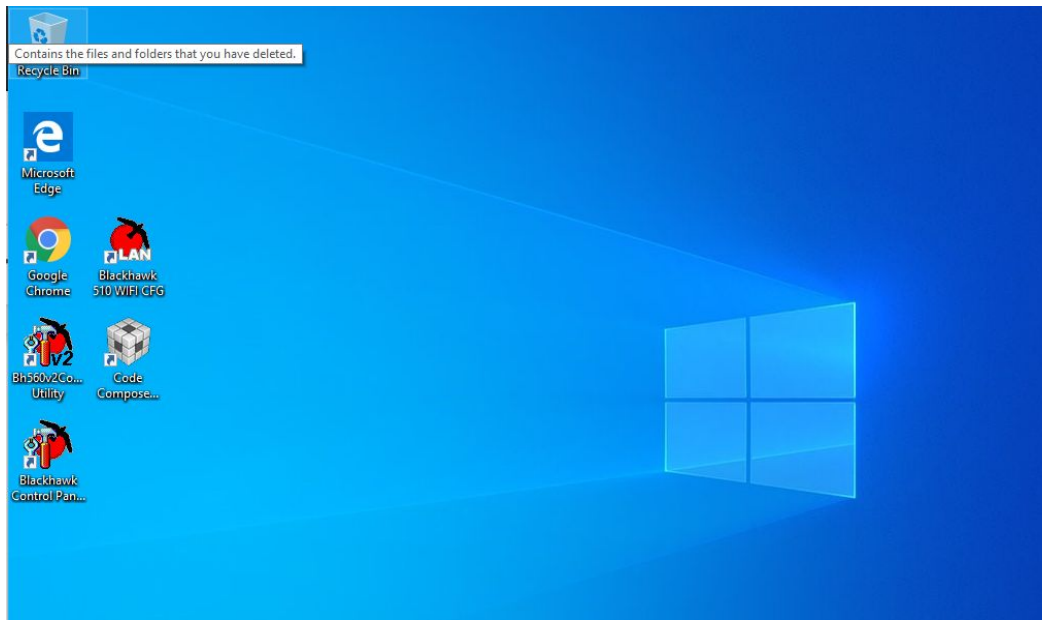


Figure 14 : CCS Icon now located on the desktop (Double click to open)

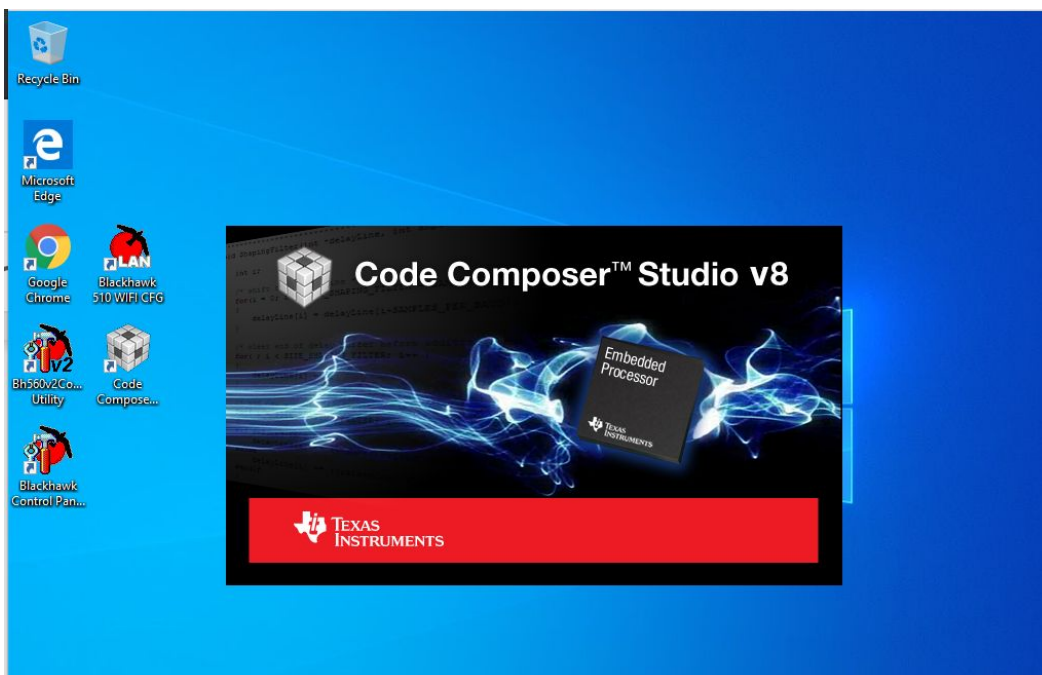


Figure 15 : Wait for CCS to load

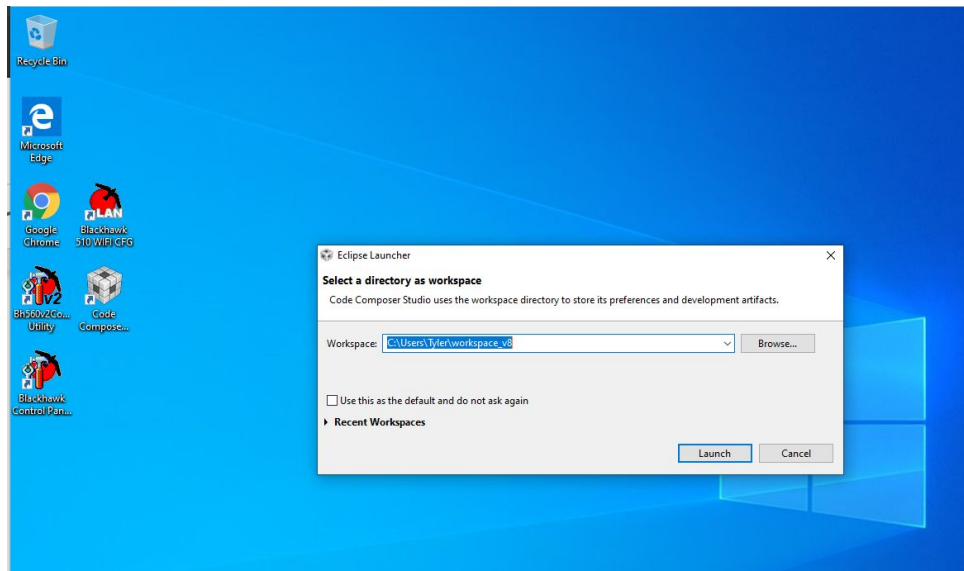


Figure 16 : Choose a workspace location (Where all your files are located)

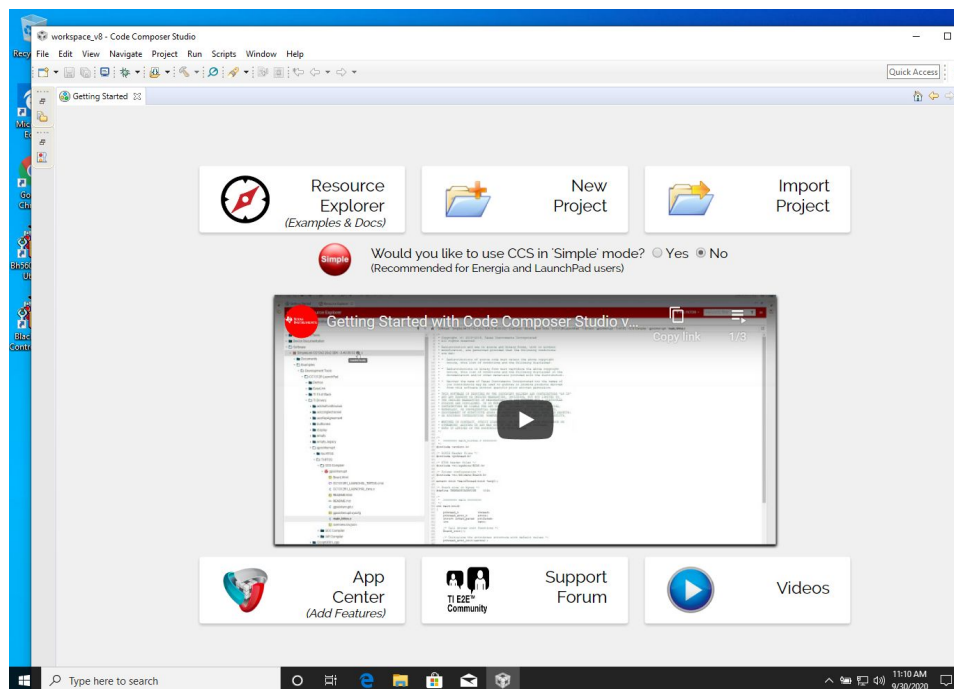


Figure 17 : CCS homescreen. You are ready to move on to the tutorial!