# **CC Studio Tool Setup**

## Last updated 11/2/20

- Code Composer Studio
  - Integrated Development Environment (IDE)
  - Free for non-commercial use
  - Eclipse based
  - We will use this for our MSP432 and Console Based code development

#### WARNING – WARNING – WARNING

Since our suppliers update their software on a regular basis – some of the screen captures and revision numbers may be different when you install the software

WARNING – WARNING – WARNING

# Code Composer Studio Software Setup

#### CC Studio

- http://www.ti.com/tool/ccstudio
- Pan down the page and select Download , Latest Version



· Release archive (older versions)

 Cloud Tools - Visit dev.ti.com to access TI Cloud Tools. Browse through the resources available for a device, run demo applications and even develop code using Code Composer Studio Cloud

#### Additional Information

- Users Guide information on how to more effectively use Code Composer Studio. Also available in Resource Explorer.
- · Technical documents users guides, feature overviews and application notes
- YouTube channel selection of short videos on how to perform tasks in Code Composer Studio.
- Training resources workshops and training modules

#### CC Studio

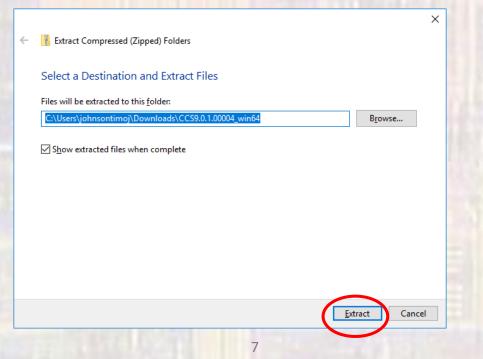
• Pan down the page and select the appropriate download

🚱 Professor Johnson	× 🌵 CCSTUDIO_10.1.1.00004   Ti.com × +
← → C ☆ ●	ti.com/tool/download/CCSTUDIO
code comp	oser Studio (CCS) integrated Development Environment (IDE)
CCSTUDIO_10	.1.1.00004
Release Date: 21 Sep 20	020
View release notes	Supported Platforms O What's New? O Release Information
This page contains spec	ific information about Code Composer Studio (CCS) Integrated Development Environment (IDE) release package. Refer to the tabl

#### **Product downloads**

Title	Version	Description	
ingle file installers			
Windows single file installer for CCS IDE	This is	a large file and can take some time to	download
Linux single file installer for CCS IDE Mac OS single file installer for CCS IDE	10.1.1.00004	Link to Mac single file (offline) installer for Code Composer Studio IDE (all features,	
n-demand installers			10
Windows on-demand installer for CCS IDE	10.1.1.00004	Link to Windows on-demand (web) installer for Code Composer Studio IDE (all feat	
Linux on-demand installer for CCS IDE	10.1.1.00004	Link to Linux on-demand (web) installer for Code Composer Studio IDE (all features	1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-
Mac OS on-demand installer for CCS IDE	10.1.1.00004	Link to Mac on-demand (web) installer for Code Composer Studio IDE (all features,	
Documentation			

- Go to your downloads folder
- Right-click ccs10. xxx\_win64 .zip
  - Select extract all
  - Extract



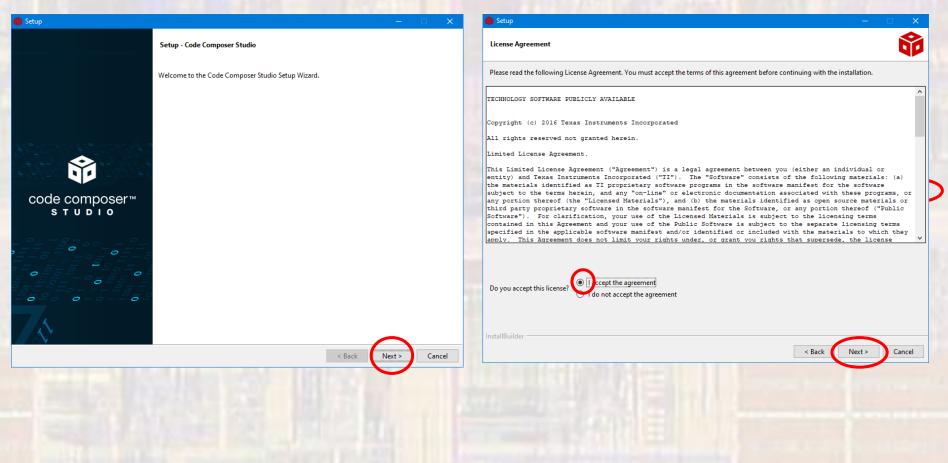
- Traverse into the extracted directory
  - Double-Click the ccs\_setup ... exe file

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💻 This PC	😽 ccs_setup_win64_9.0.1.00	004.exe	>/14/2019 11:22 AM	Application	15,791 KB	
	🕌 content.jar		5/14/2019 11:22 AM	Executable Jar File	3 KB	
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🕂 Downloads	📄 timestamp.txt		5/14/2019 11:22 AM	Text Document	1 KB	
Music						

Common

#### Next

#### Accept - Next



#### Next

#### Leave Default - Next

🚷 Setup — 🗆 🗙	🚳 Setup — 🗆 🗙
Please read the information carefully to determine if you need to take any action prior to continuing.	Installation Directory
	Please specify the directory where Code Composer Studio will be installed.
Operating System Check -> OK	Installation Directory CAtAccs1011
Installer Path Check -> OK	
Unicode Character Check -> OK	
Anti-virus Check -> We have detected you are running anti-virus software on this computer. Anti-virus real-time file scanning may interfere with installation and it is recommended you temporarily disable this feature. Anti-virus software may also block the downloading of files that occurs during installation. If you cannot disable the anti-virus software, we recommend the offline installer, which has less interference.	
Pending Reboot Check -> OK	6
InstallBuilder	InstallBuilder
< Bac Next > Cincel	< Back Next > Cancel
InstallBuilder	

#### Custom - Next

#### SimpleLink – MSP432 - Next

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😝 Setup - 🗆 🗙	😚 Setup — 🗆 🗙
Setup type	Select Components
Choose the installation type that you prefer  Choose the installation (Recommended) This selection allows for selecting which device families and debug probes will be supported. A custom installation can reduce the amount of disk space used and improve performance. It is possible to modify selections in the future by running the installer again. Full Installation This selection installs support for all device families and debug probes. Approximately 4GB of disk space is required. Note that not all device families and debug probes are supported on Linux and macOS.	Select the components you want to install; clear the components you do not want to install. Click Next when you are ready to continue.
InstallBuilder	InstallBuilder

#### Default - Nevt

👌 Setup

Install debu

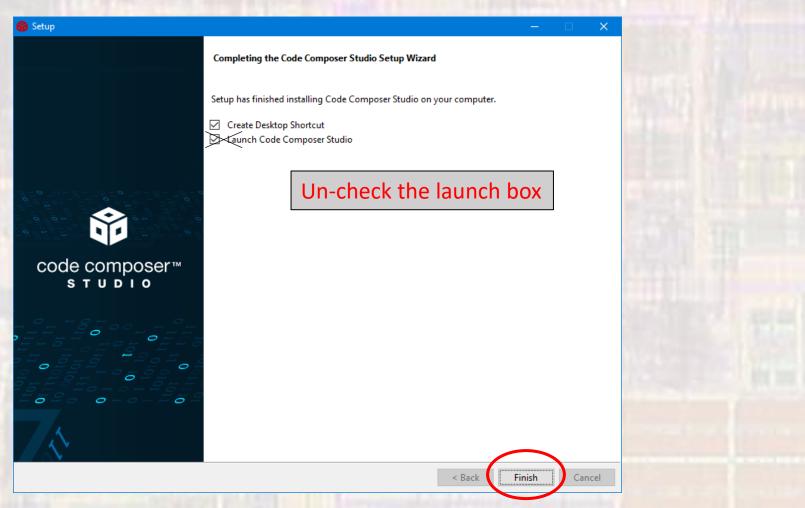
Select the d Spectru Blackha SEGGEF

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) Setup Ready to Install	- • ×	😵 Setup	– – [
etup is now ready to begin installing Code Composer Studio on your computer.			r. alling clipse.jetty.util_9.4.24.v20191120.jar
stallBuilder	< Back Next > Cancel	InstallBuilder —	< Back Next > Car

#### • Finish



## **GCC Tool Chain Setup**

- We also require a GCC toolchain (mingw)
- https://sourceforge.net/projects/mingw/files/
- Run the .exe file after download

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Not required for EE2920

#### Install

MinGW Installation Manager Setup Tool

mingw-get version 0.6.2-beta-20131004-1



Written by Keith Marshall Copyright © 2009-2013, MinGW.org Project http://mingw.org

This is free software; see the product documentation or source code, for copying and redistribution conditions. There is NO WARRANTY; not even an implied WARRANTY OF MERCHANTABILITY, nor of FITNESS FOR ANY PARTICULAR PURPOSE.

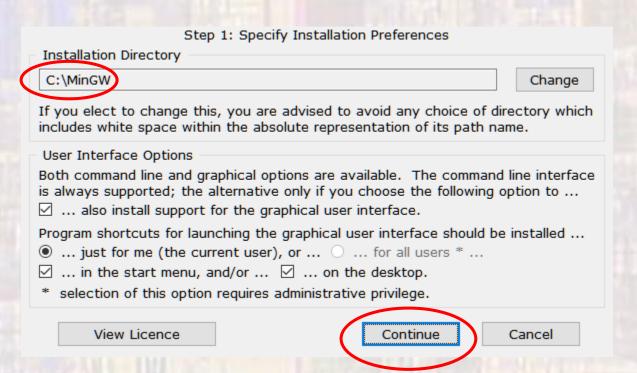
This tool will guide you through the first time setup of the MinGW Installation Manager software (mingw-get) on your computer; additionally, it will offer you the opportunity to install some other common components of the MinGW software distribution.

After first time setup has been completed, you should invoke the MinGW Installation Manager directly, (either the CLI mingw-get.exe variant, or its GUI counterpart, according to your preference), when you wish to add or to remove components, or to upgrade your MinGW software installation.



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- Leave in default directory C:\MinGW
  - continue



- Wait for all files to download
  - continue

atalogue update comp	leted; p	lease che	ck 'Detail	s' pane for	errors.		
Processed 113		of	11	13 items		: 100 %	
Details							
ngw-get: *** INFO *** 1004-1-xml.tar.xz	setup:	unpackin	g mingw-g	et-setup-0.	6.2-min	gw32-beta-20	<b>^</b>
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ngw-get: *** INFO ***	setup:	installa	tion data	base update	d		
							¥
View Licence			6	Continue		Quit	
view Licence			L L	Continue		Quit	

Not required Select mingw32-base, mingw32-gcc-g++, and msys base and click "mark for installation"

nstallation <u>P</u> ackage <u>S</u> etting Basic Setup	Package	Class	Installed Version	Repository Version	Description	<u>H</u>
All Packages	mingw-developer-tool.			2013072300	An MSYS Installation for MinGW Dev	(alenara (
	mingw32-base	bin		2013072200	A Basic MinGW Installation	velopers (
	mingw32-gcc-ada	bin		6.3.0-1	The GNU Ada Compiler	
	mingw32-gcc-fortran	bin		6.3.0-1	The GNU FORTRAN Compiler	
	mingw32-gcc-g++	bin		6.3.0-1	The GNU C++ Compiler	
	mingw32-gcc-objc	bin		6.3.0-1	The GNU Objective-C Compiler	
	msys-base	bin		2013072300	A Basic MSYS Installation (meta)	
	Ez maya-buac	Din		2013072300	A basic Moro Installation (meta)	
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	includes the core system,	on (meta ins the c bash, va	a) components necessar prious command line	y to create a basic, s utilities, and archiving/	small, but relatively useful MSYS ins compression tools. It attempts to rep he old MSYS monolithic installers.	
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	A Basic MSYS Installation This meta package conta includes the core system,	on (meta ins the c bash, va	a) components necessar prious command line	y to create a basic, s utilities, and archiving/	compression tools. It attempts to rep	

Installation -> Apply Changes

FIL 🚳 MinGW Installation	Manager				
Package	Settings				
Update Catalogue			Package	Class	Installed Ve
Mark All Upgrades			mingw-developer-tool	bin	
Apply Changes		5	mingw32-base	bin	
			mingw32-gcc-ada	bin	
Quit	Alt+F4		mingw32-gcc-fortran	bin	
		8	mingw32-gcc-g++	bin	
			mingw32-gcc-objc	bin	
		5	msys-base	bin	
		<			
-			Description		

#### Installation -> Apply Changes

🏇 MinGW	Installation	Manager				
Installation	Package	Settings				
Update Catalo	ogue			Package	Class	Installed Ve
Mark All Upgr	rades			mingw-developer-tool	bin	
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Quit		Alt+F4		mingw32-gcc-fortran	bin	
1			6	mingw32-gcc-g++	bin	
1				minaw22 and ohio	hin	

Apply

Schedule of Pending Actions	
Okay to proceed? The package changes itemised below will be implemented when you choose "Apply" Defer Discard	
0 installed packages will be removed	
	^
	Υ.
0 installed packages will be upgraded	
	^
	Υ.
59 new/upgraded packages will be installed	
libiconv-1.14-3-mingw32-dll-2.tar libpthreadgc-2.10-mingw32-pre-20160821-1-dll-3.tar.xz mingw32-libgomp-deps-5.3.0-mingw32-dll.meta libgcc-6.3.0-1-mingw32-dll-1.tar.xz	î
hibintl-0.18.3.2-2-mingw32-dll-8.tar.xz mingwrt-5.0.1-mingw32-dll.tar.xz	~

# Complete Code Composer Setup

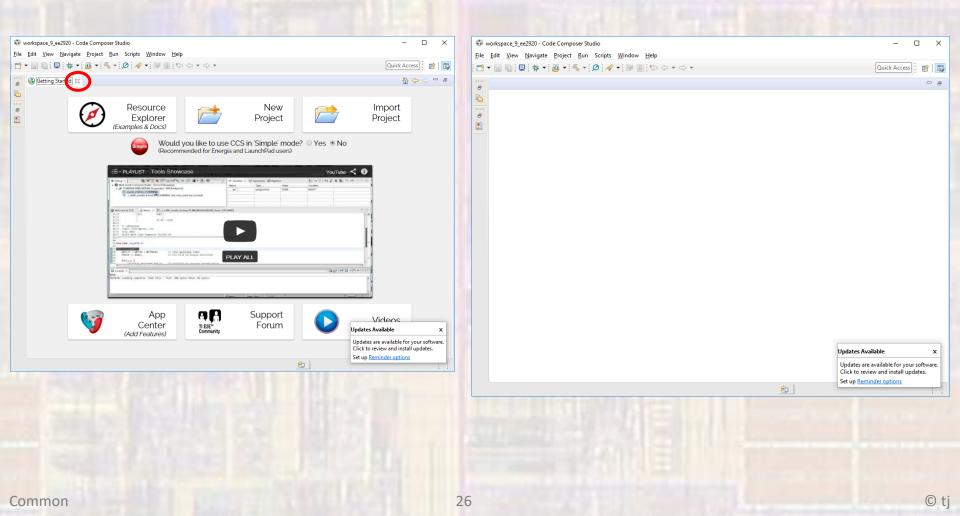
- Start Code Composer Studio
  - from
    - desktop shortcut
    - start menu
    - install\_dir/Code Composer Studio x.x.x

- Select a workspace
  - This is where your CCStudio information is stored
  - I suggest you choose and create a personal folder
    - Do not put the workspace in the install directory

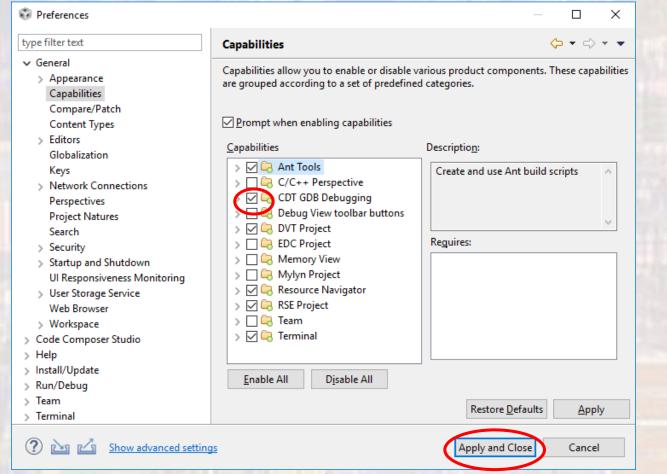
#### • NO SPACES ALLOWED ANYWHERE IN THE PATH

elect a dire	tory as workspace		
Code Compo	ser Studio uses the workspace directory to store its prefere	ences and development a	rtifacts.
<u>N</u> orkspace:	D:\GDrive\MSOE\20_Q1_EE2920\Projects\workspace_9_ee	2920 ~	<u>B</u> rowse
<u>U</u> se this as	the default and do not ask again		
Recent Wo	kspaces		
		<u>L</u> aunch	Cancel

#### Close the getting started window



- Select window -> preferences -> general -> capabilities
- Check the CDT GDB Debugging box



# Code Composer Setup is Complete