

CC Studio

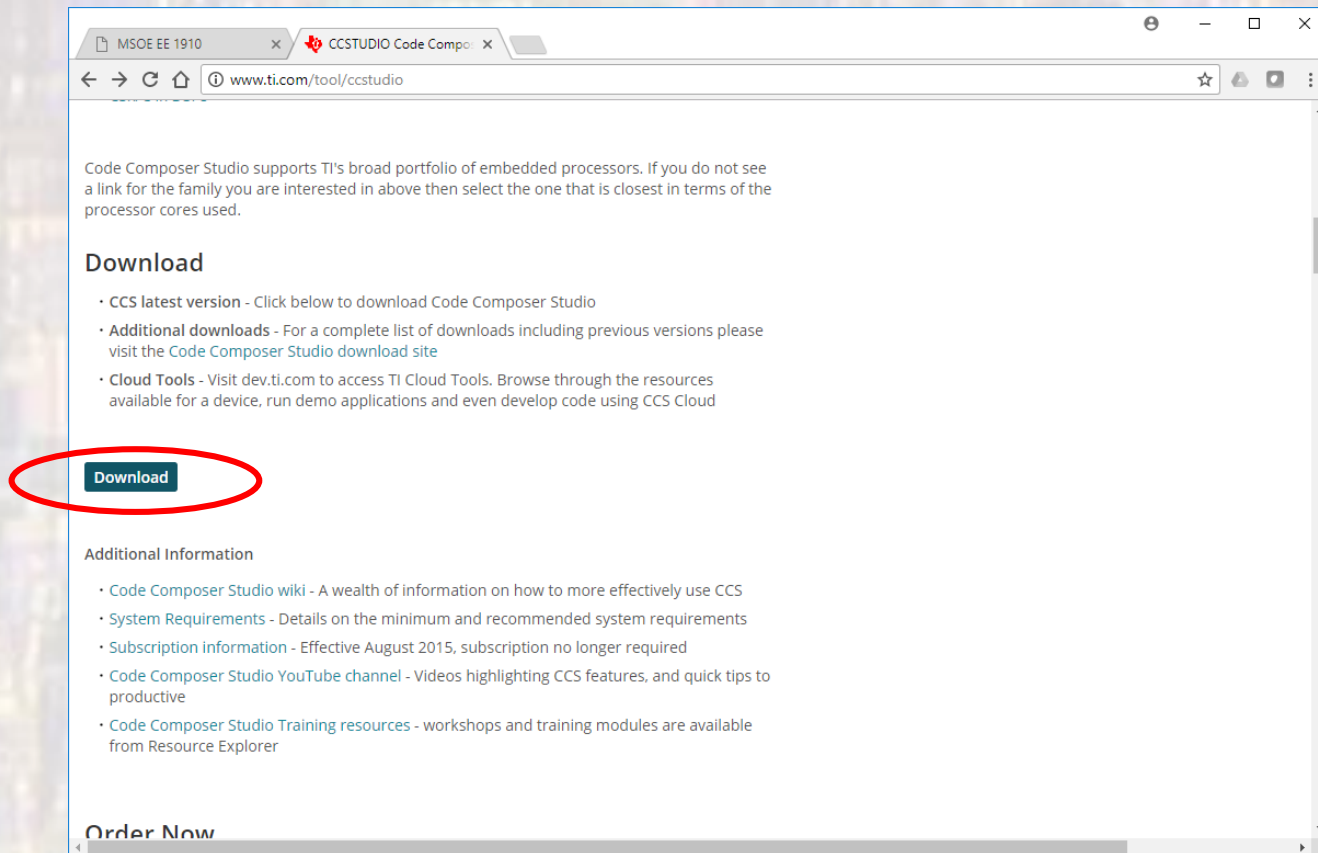
Tool Setup

Code Composer Studio

- 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

Code Composer Studio

- CC Studio
 - <http://www.ti.com/tool/ccstudio>
 - Pan down the page and select download



Code Composer Studio

- CC Studio
 - Pan down the page and select the appropriate download

Download the latest CCS

| Download | Installers (Offline installer is recommended for slow and unreliable connections) | Notes |
|-------------|--|---|
| 7.3.0.00019 | | |
| Windows | Offline Installer Online Installer | |
| Mac OS | Offline Installer Online Installer | |
| Linux 64bit | Offline Installer Online Installer | Important: CCS 7.3.0 and earlier will not install on Linux distributions that use GLIBC 2.2.6 (this includes Ubuntu 17.10). We are investigating the issue. |

Version 7.3.0.00019 [Linux Installation Instructions](#) | [System Hardware Requirements](#) | [Training Material](#)

Licensing: CCSv7 is now Technology Software Publicly Available (TSPA) compliant. This means that it does not require a paid license.

Update Status: This release will not be available as an update.

Mac Users Please note that **only microcontroller and connectivity devices are supported on Mac**. Processors devices are not support. See [MacOS Host Support CCSv7](#) for more information. Also if you do not have administrative rights on your Mac then you will need to run the installer with a command that looks like this: `xattr -r -d com.apple.quarantine ccs_setup_7.1.0.00016.app` (replace the filename with the version you are using). If you do not do that then MacOS will copy the executable to another folder and run it from there, as a result the installer will not be able to find the offline files and will run as a web installer.

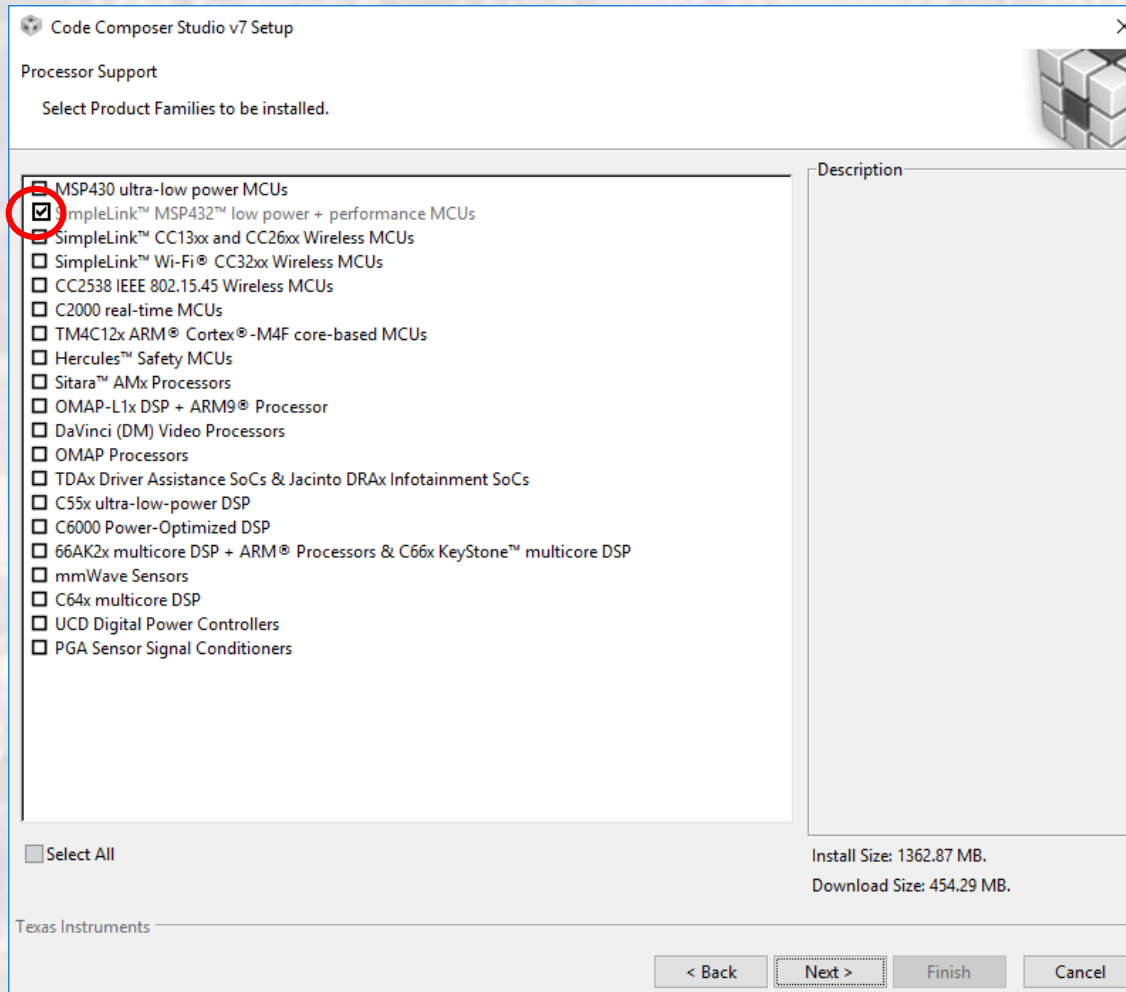
Linux Users Please note that [there is an issue with certain version of the linux kernel](#) that if installed will prevent CCS from starting and RTSC based projects from building. A fix is available in the latest kernel updates. If you are running into the issue, please make sure you have the latest

Code Composer Studio

- Go to your downloads folder
- Double-click ccs_setup_...exe
 - follow instructions
 - Ignore the warning about anti-virus software
 - Accept the license
- **If it fails**
 - You may have to turn off your anti-virus software
or
 - exclude the file ccs_setup_...exe from scanning
settings
update and security
windows defender
add an exclusion
exclude a file
point to the cc_setup_win32.exe file

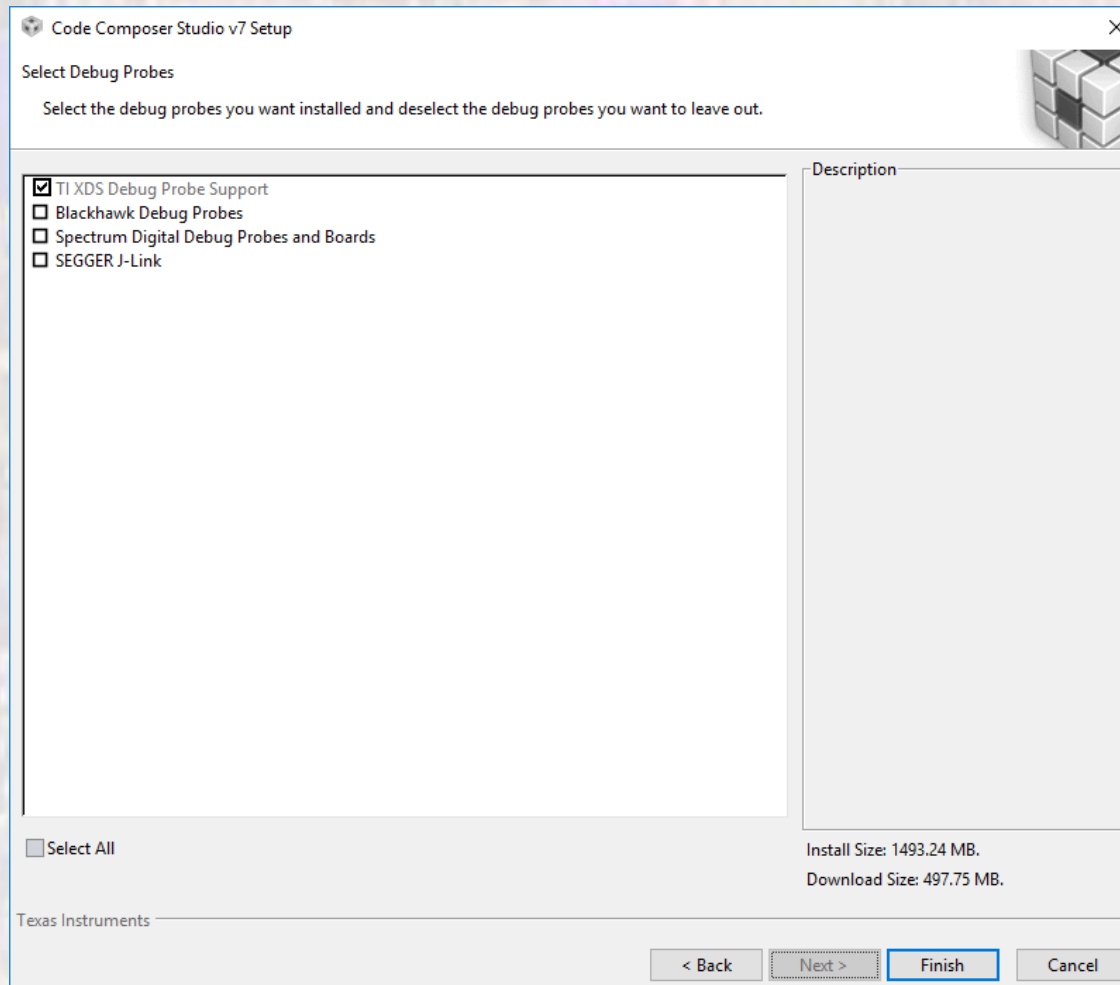
Code Composer Studio

- Select MSP432



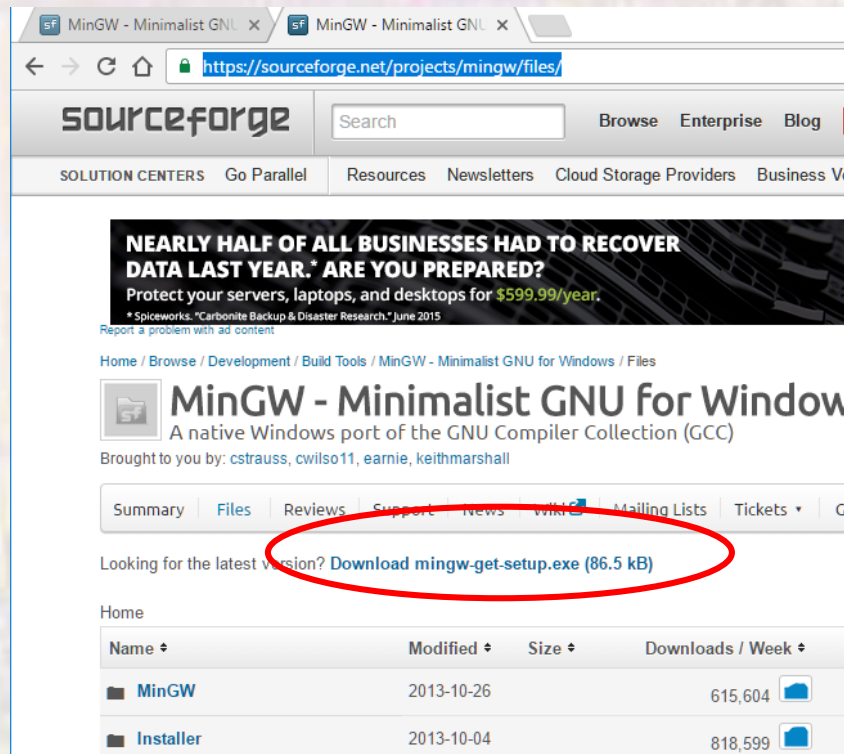
Code Composer Studio

- Select defaults and Finish



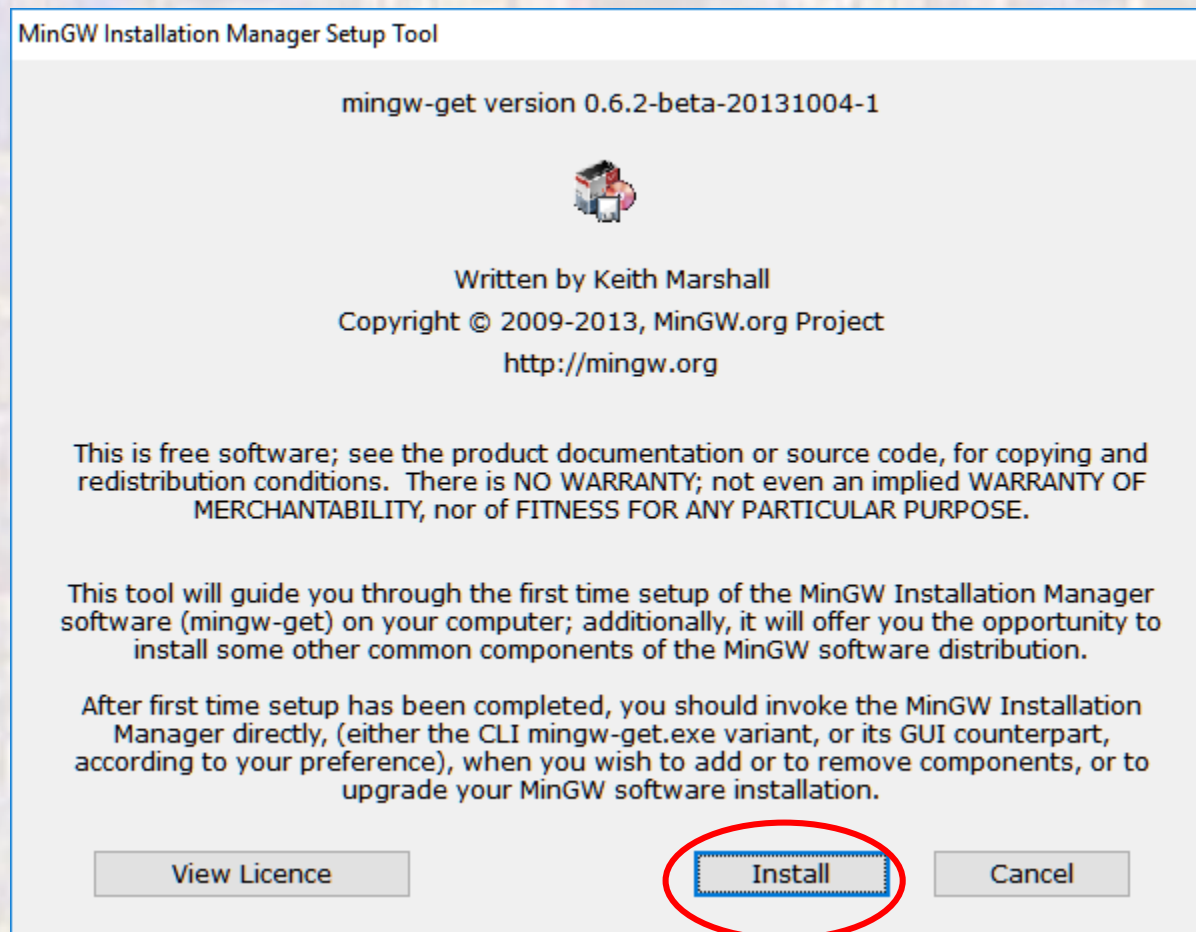
Code Composer Studio

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



Code Composer Studio

- Install



Code Composer Studio

- Leave in default directory C:\MinGW
- continue

Step 1: Specify Installation Preferences

Installation Directory

C:\MinGW Change

If you elect to change this, you are advised to avoid any choice of directory which includes white space within the absolute representation of its path name.

User Interface Options

Both command line and graphical options are available. The command line interface is always supported; the alternative only if you choose the following option to ...

☒ ... also install support for the graphical user interface.

Program shortcuts for launching the graphical user interface should be installed ...

☒ ... just for me (the current user), or ... ☐ ... for all users * ...

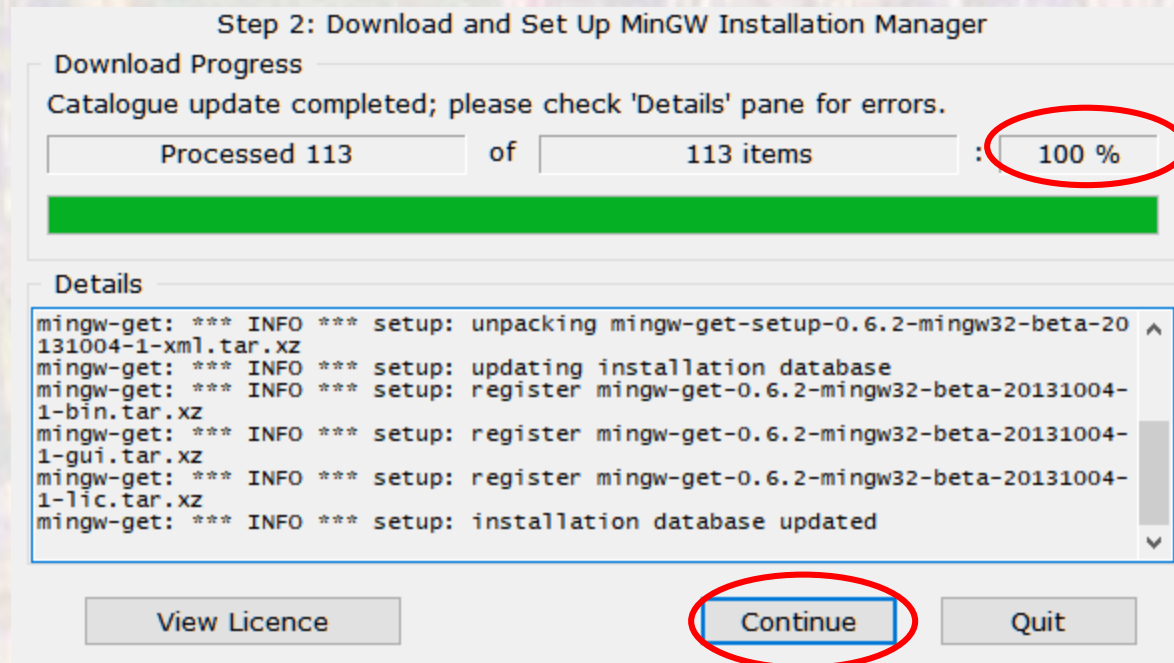
☒ ... in the start menu, and/or ... ☒ ... on the desktop.

* selection of this option requires administrative privilege.

View Licence Continue Cancel

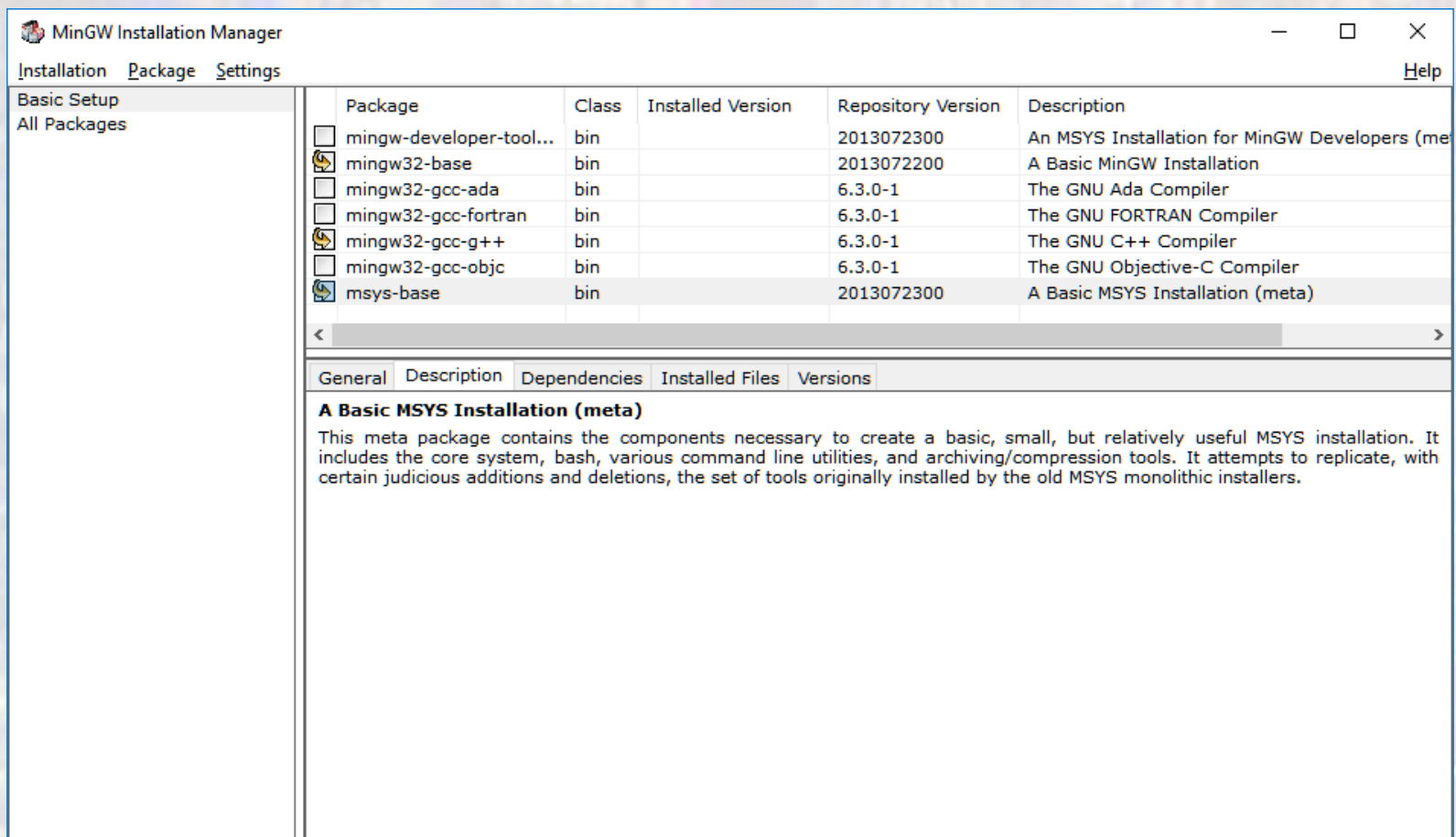
Code Composer Studio

- Wait for all files to download
 - continue



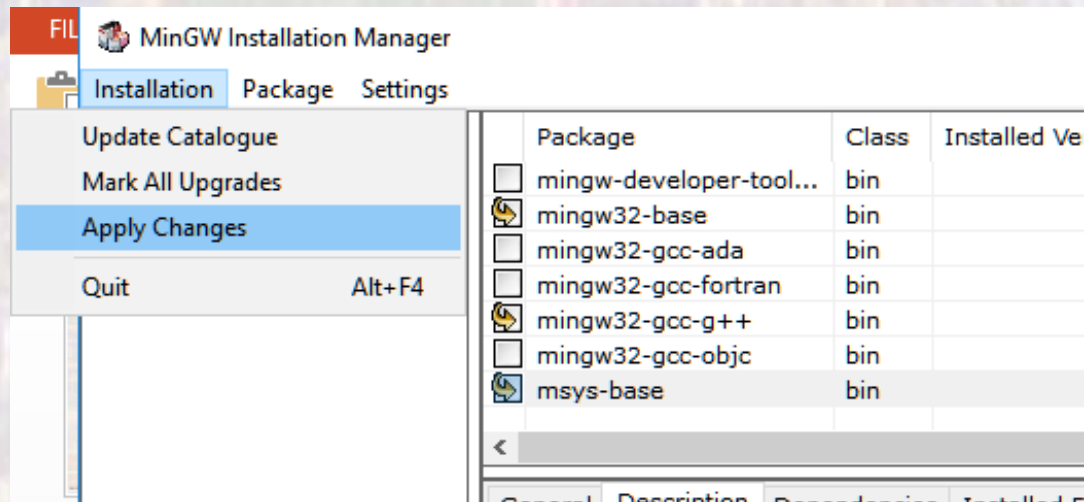
Code Composer Studio

- Select mingw32-base, mingw32-gcc-g++, and msys-base and click “mark for installation”



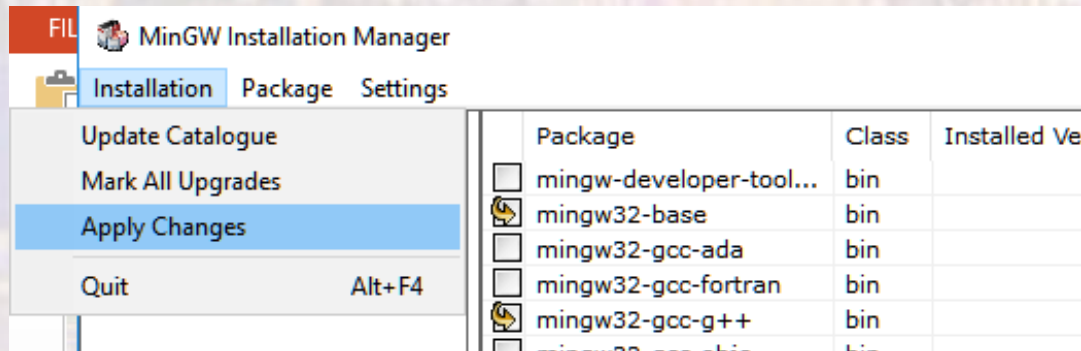
Code Composer Studio

- Installation -> Apply Changes”

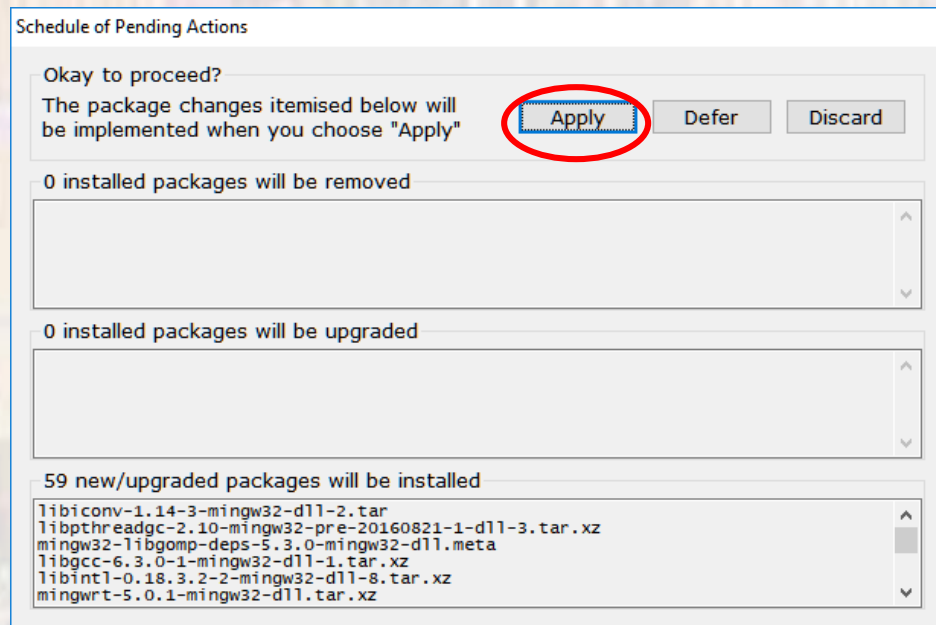


Code Composer Studio

- Installation -> Apply Changes”

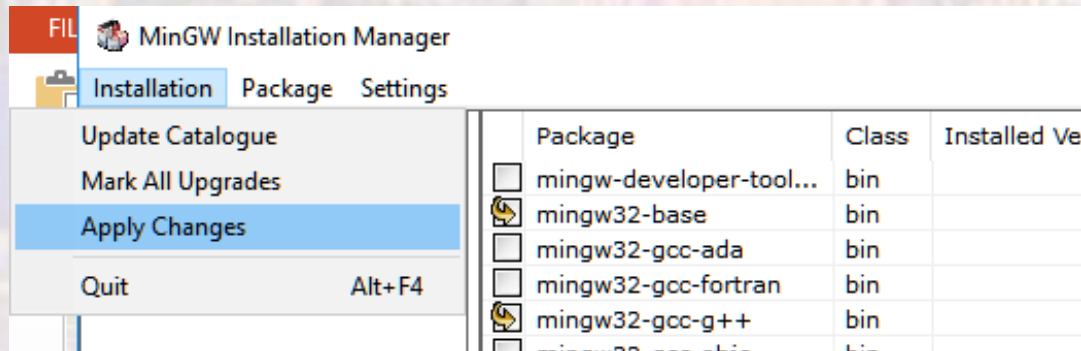


- Apply

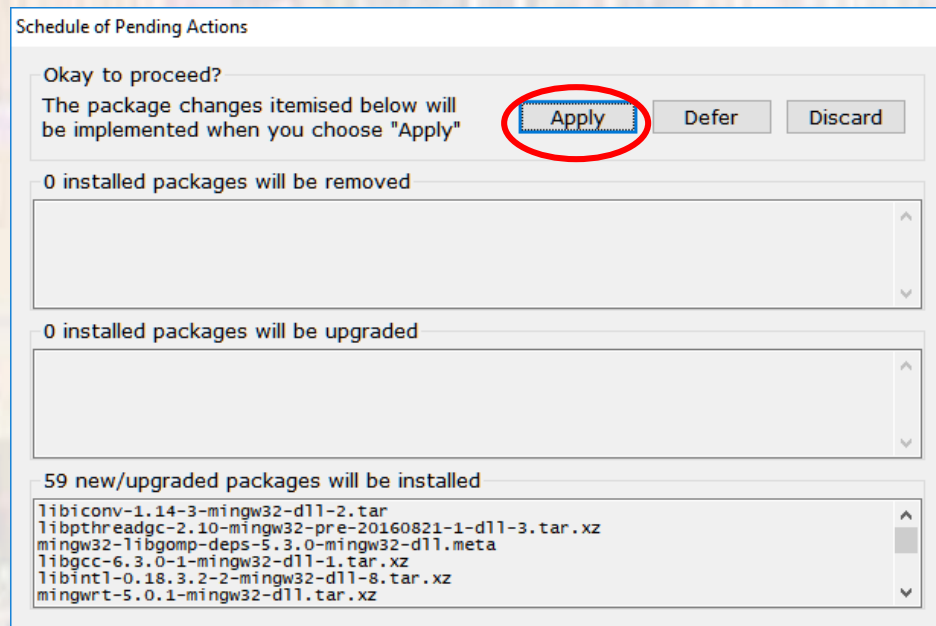


Code Composer Studio

- Installation -> Apply Changes”



- Apply

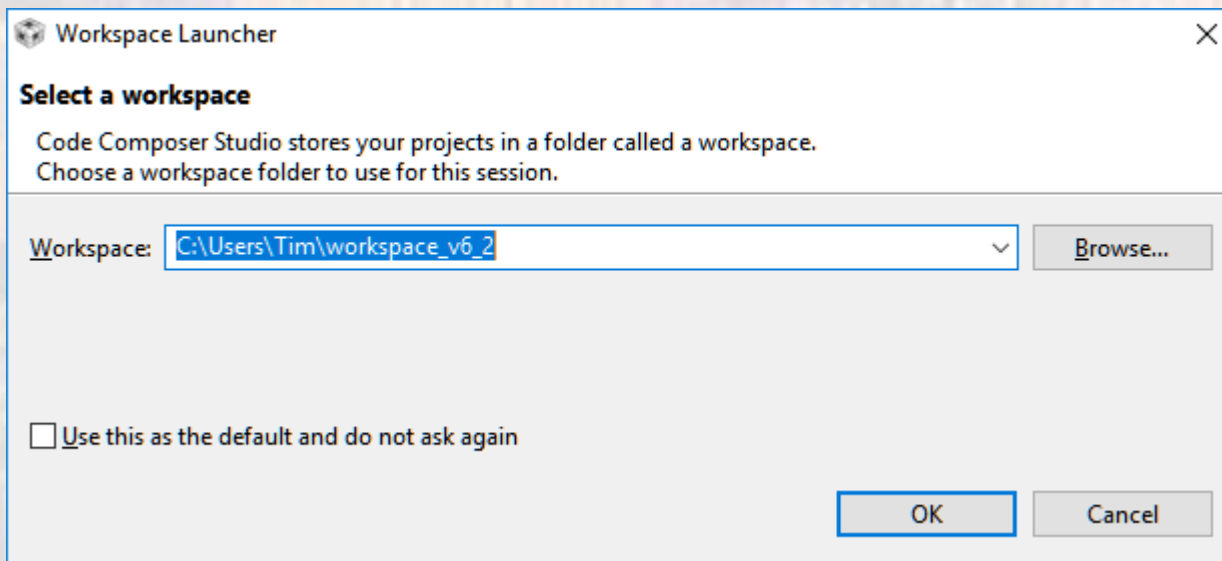


Code Composer Studio

- Start Code Composer Studio
 - from
 - desktop shortcut
 - start menu
 - *install_dir*/Code Composer Studio x.x.x

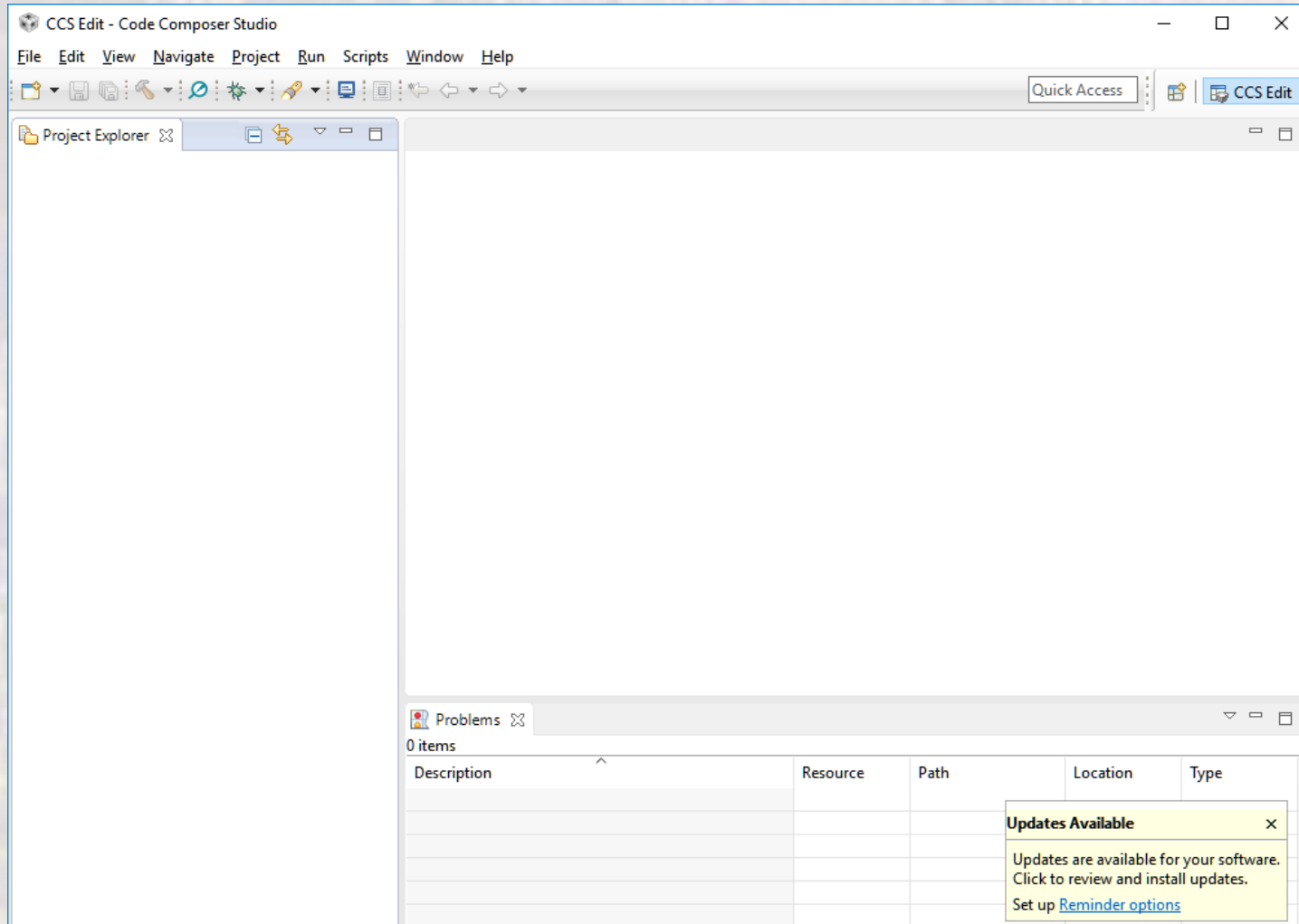
Code Composer Studio

- 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**



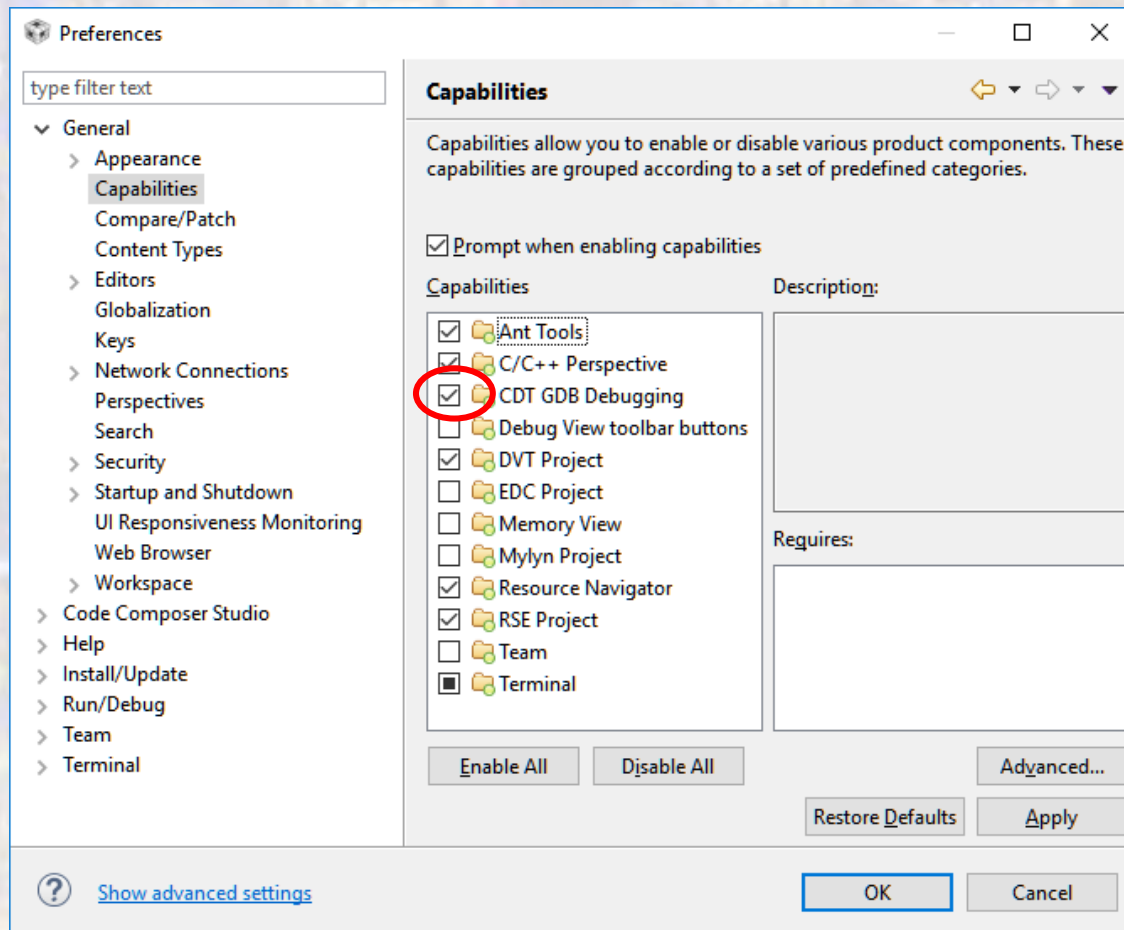
Code Composer Studio

- Close the getting started window



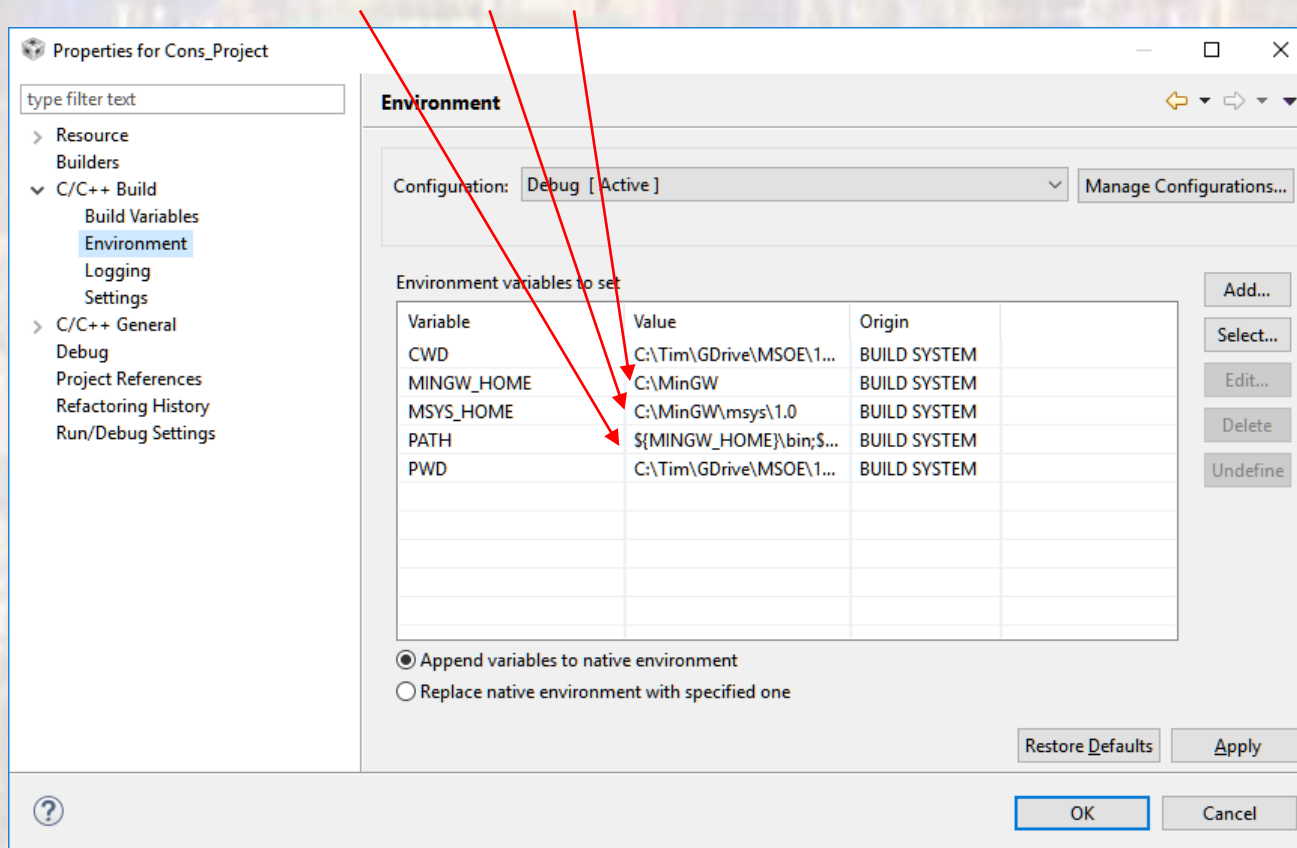
Code Composer Studio

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



Code Composer Studio

- Select project -> properties -> C/C++ Build -> Environment
- Make sure the MINGW_HOME and MSYS_HOME values are set, and MINGW_HOME is in the PATH value



Code Composer Studio

- Exit CC Studio