CC Studio

Tool Setup

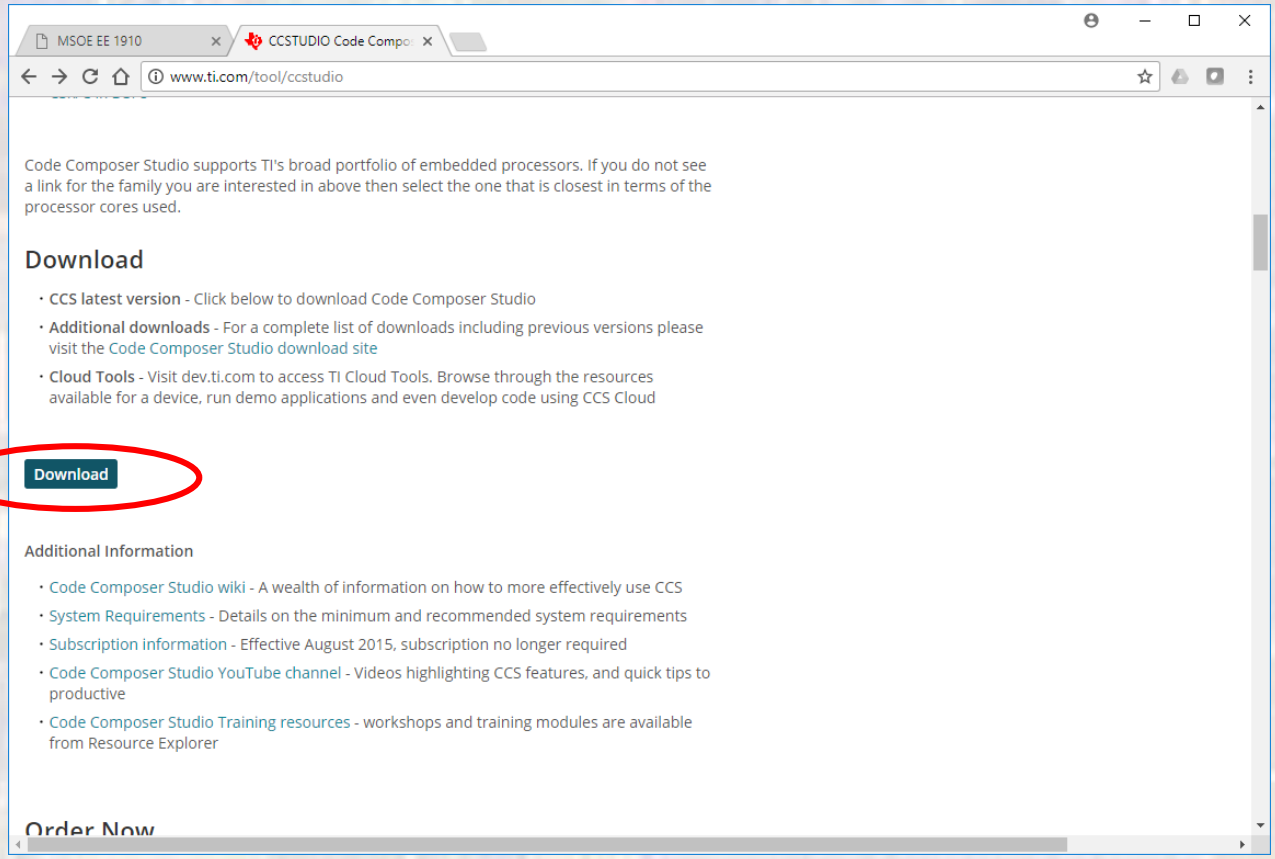
Code Composer Studio

- 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

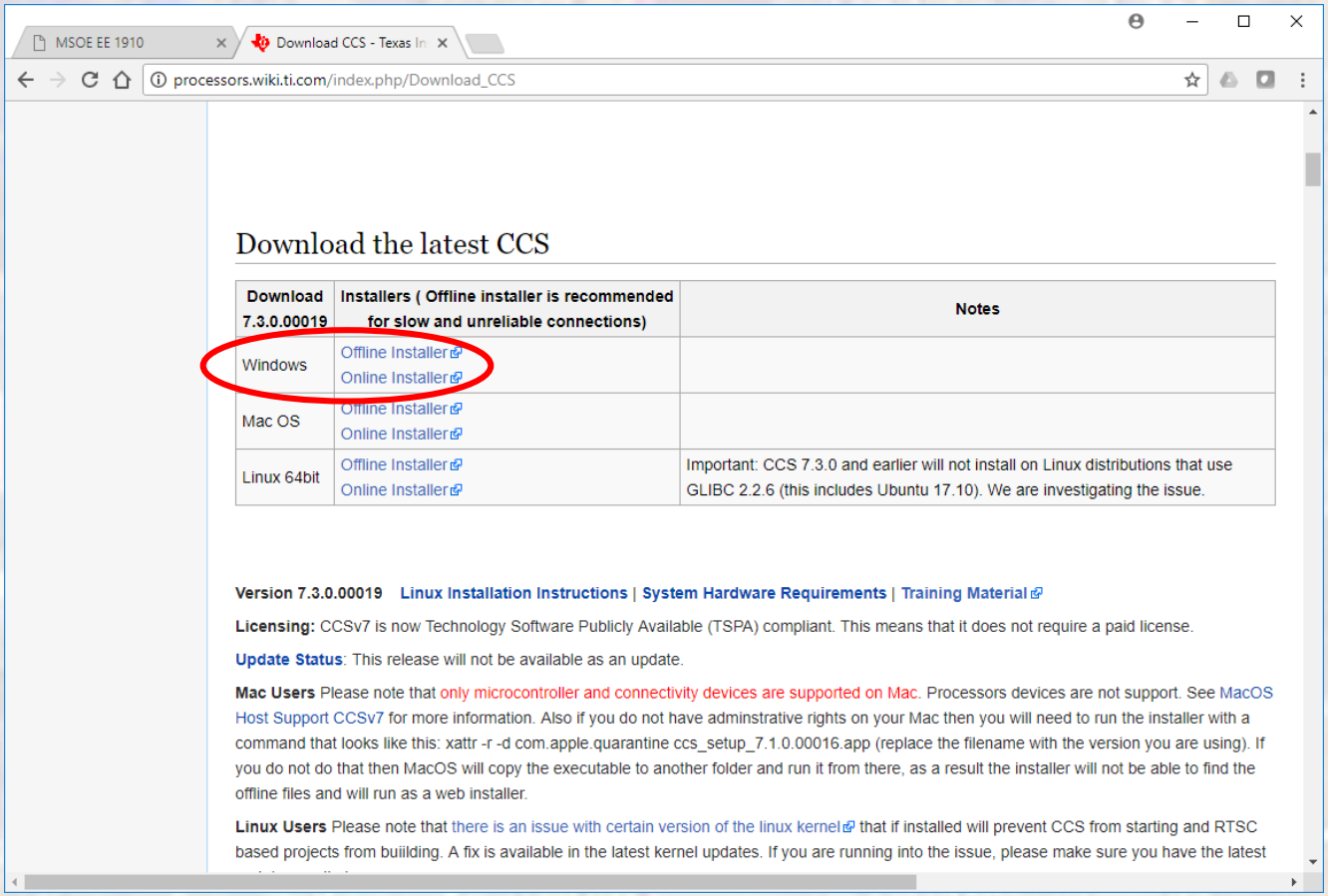
Code Composer Studio

- 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



Code Composer Studio

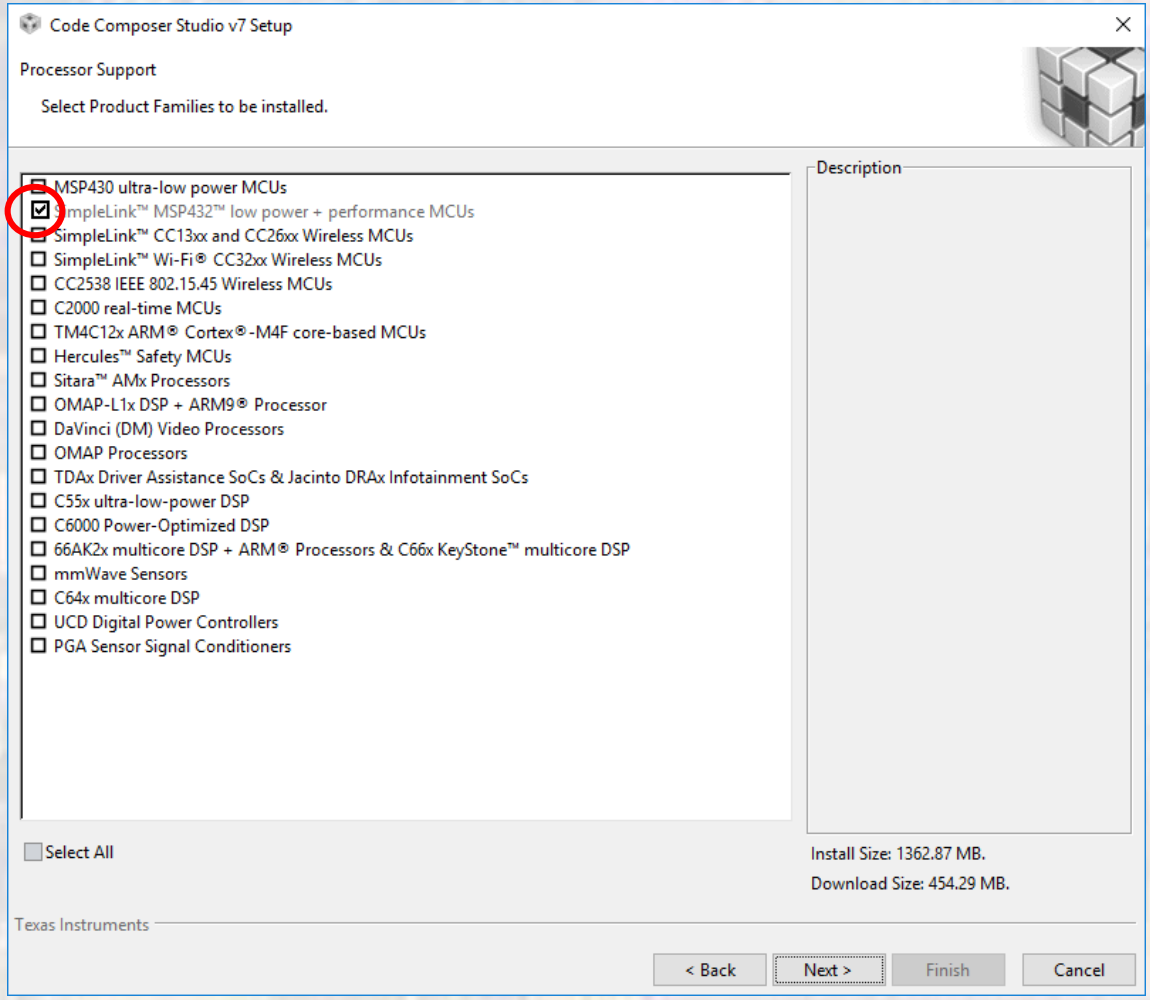
- Go to your downloads folder

- 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

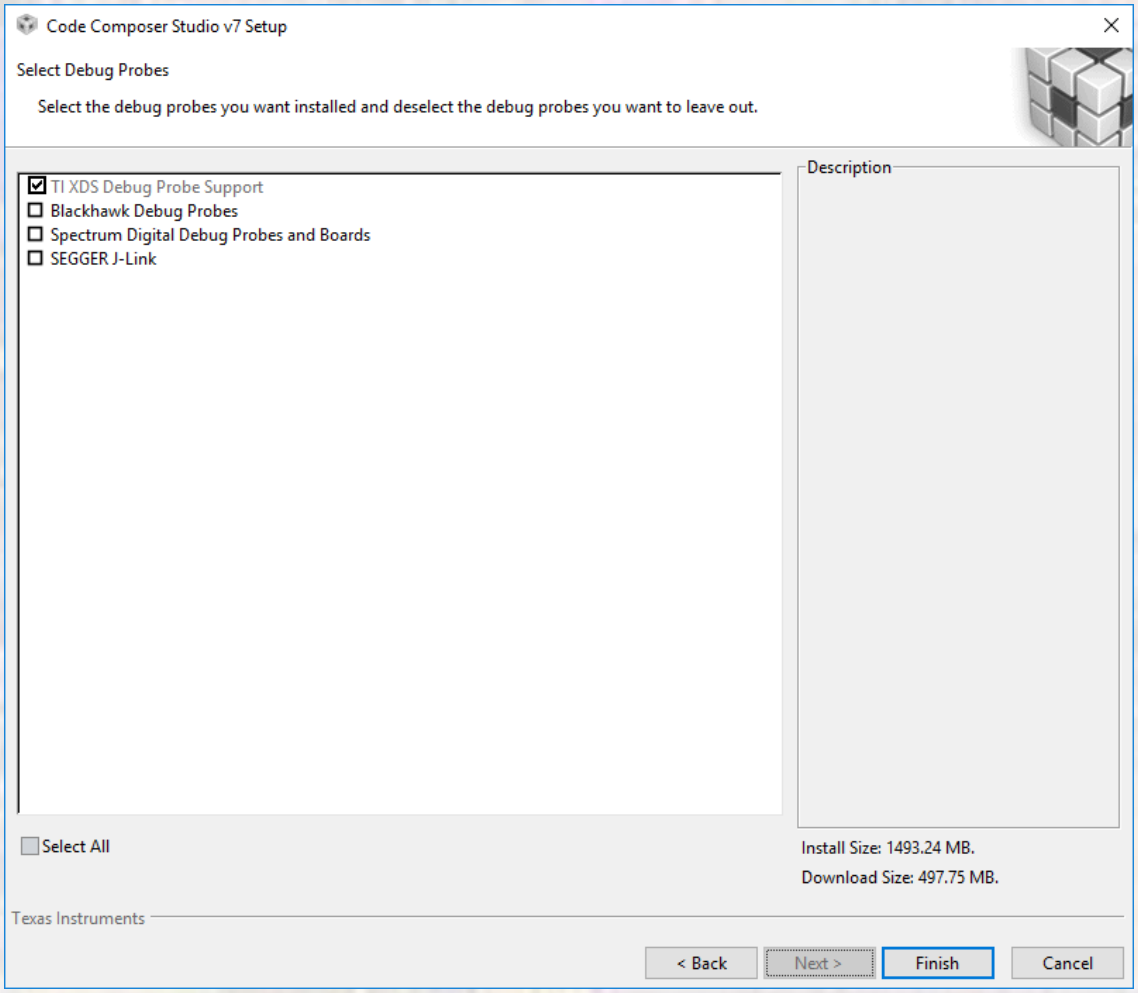
Code Composer Studio

- Select MSP432



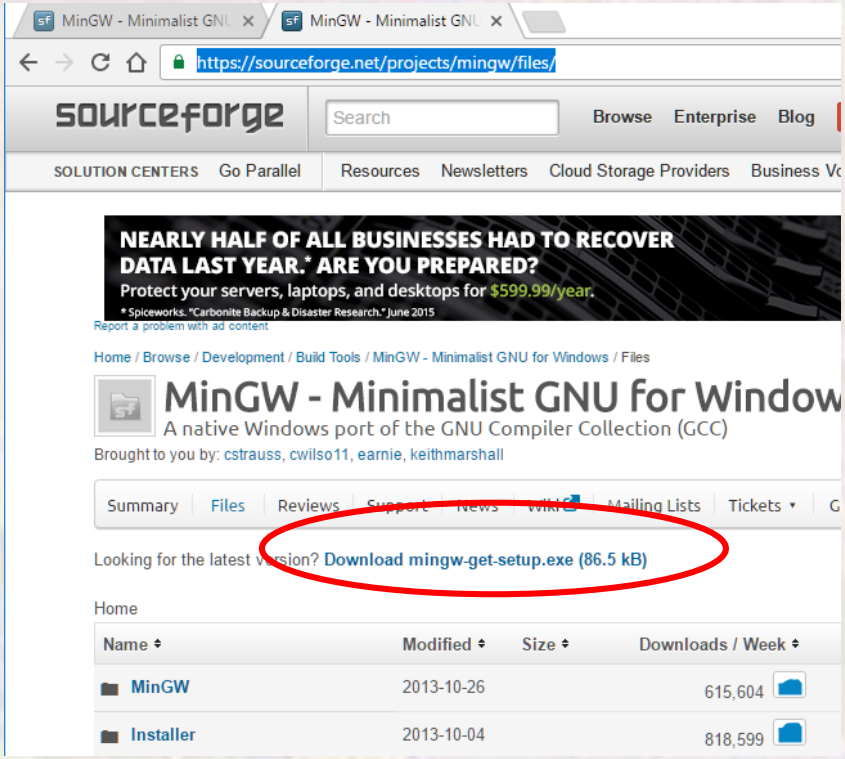
Code Composer Studio

- Select defaults and Finish



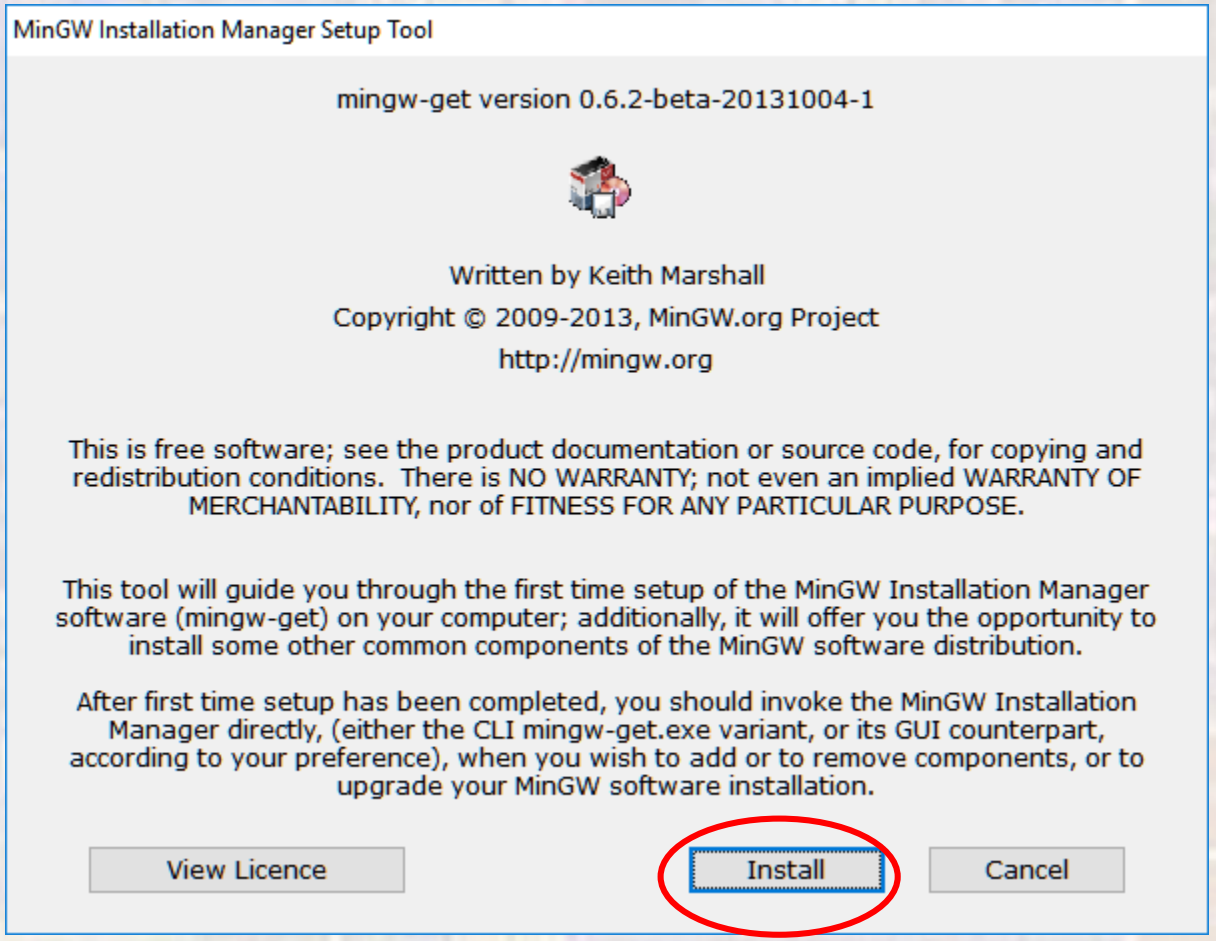
Code Composer Studio

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



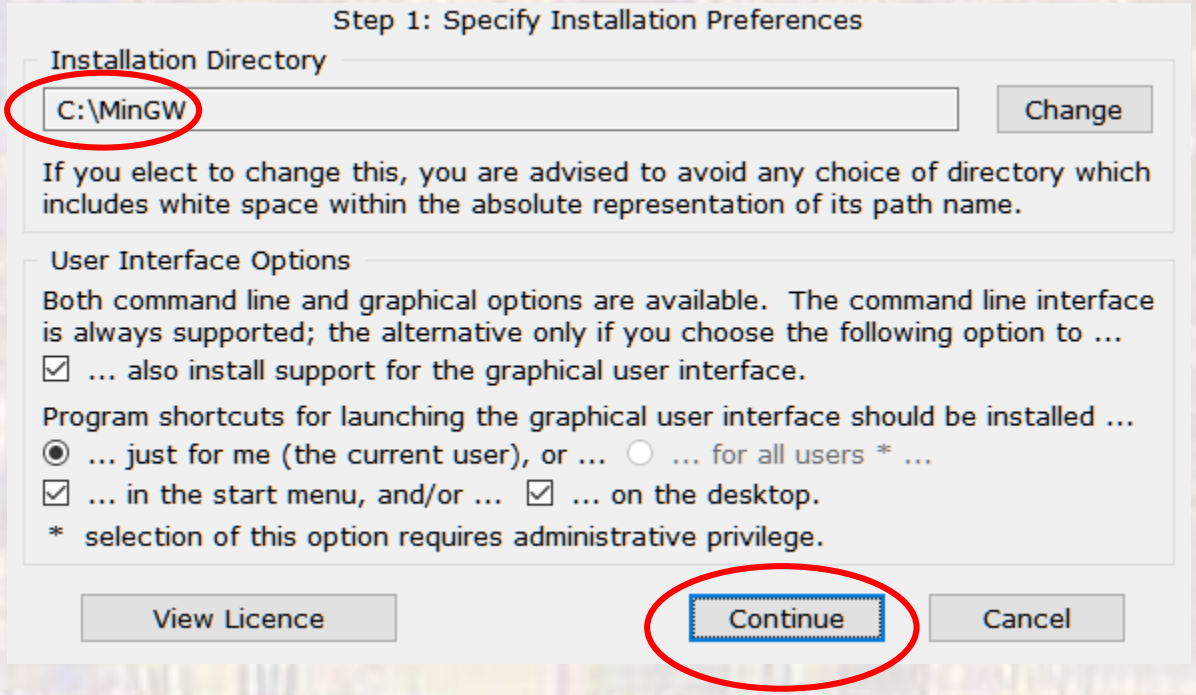
Code Composer Studio

- Install



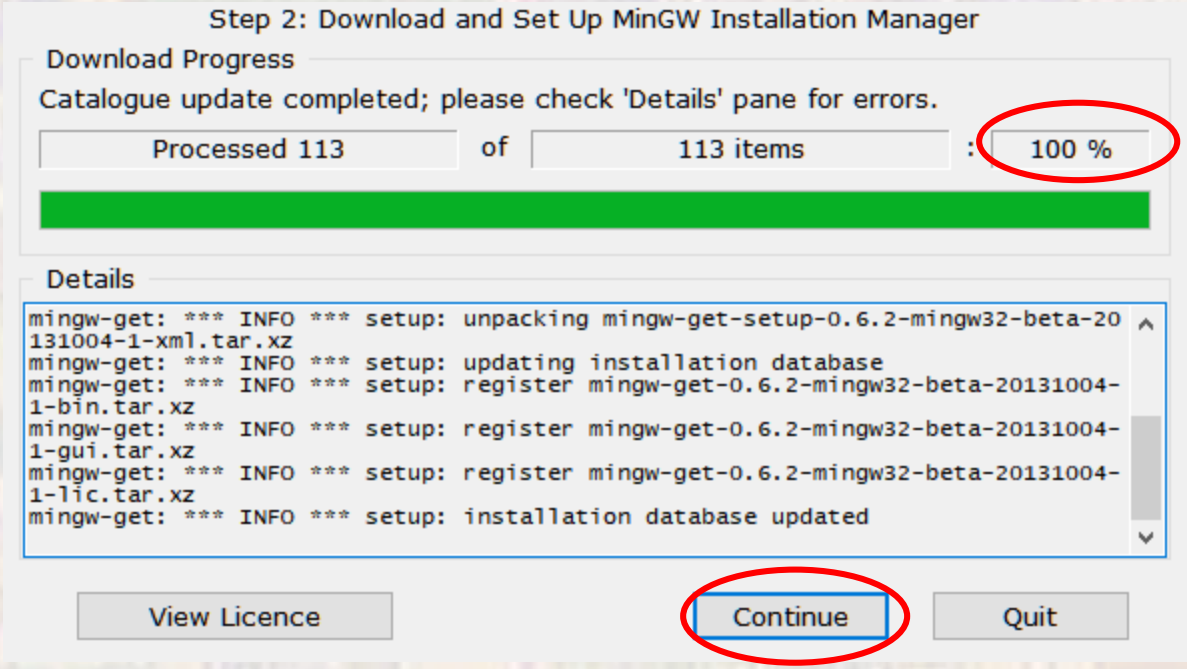
Code Composer Studio

- Leave in default directory C:\MinGW
  - continue



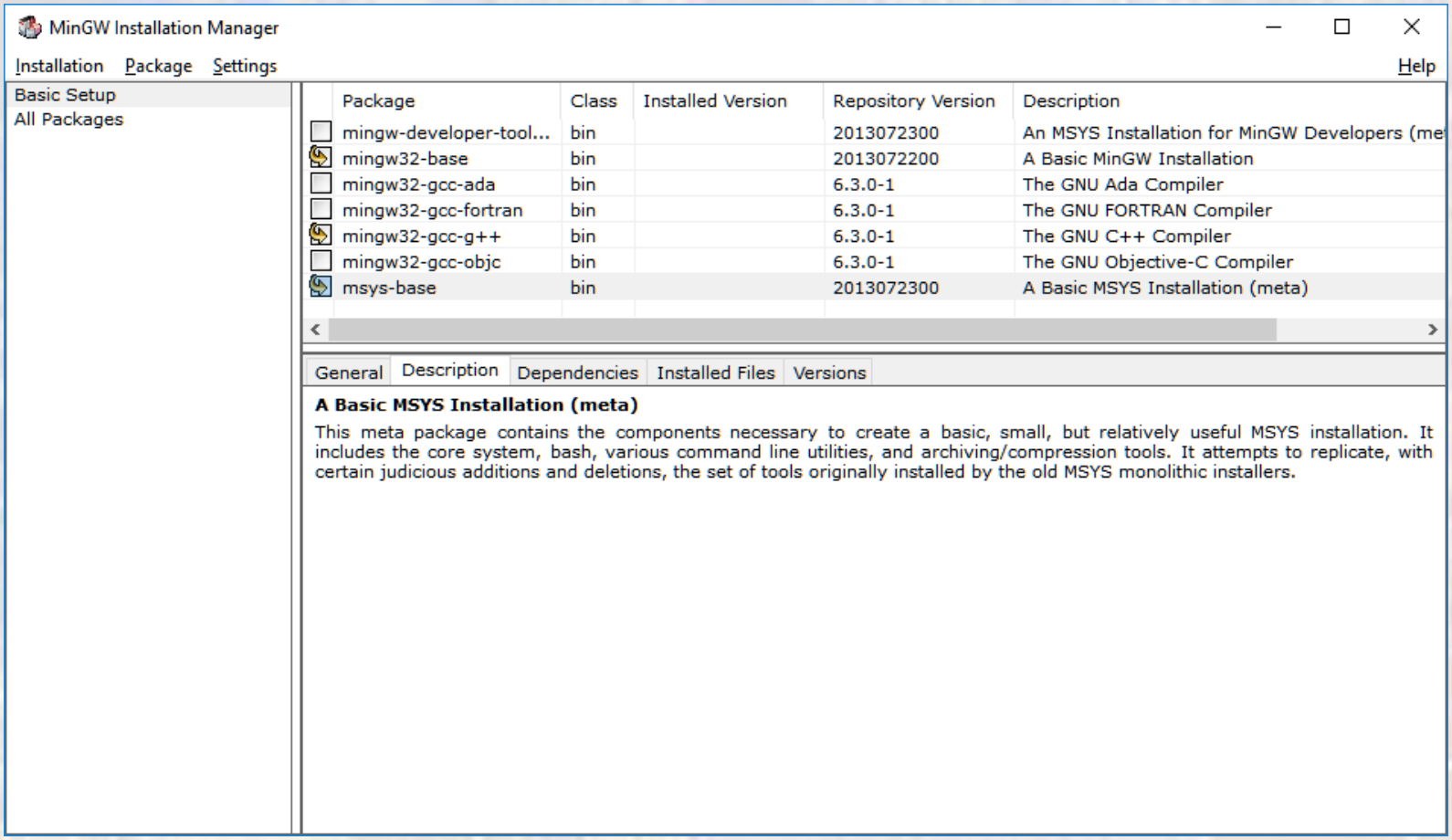
Code Composer Studio

- Wait for all files to download
  - continue



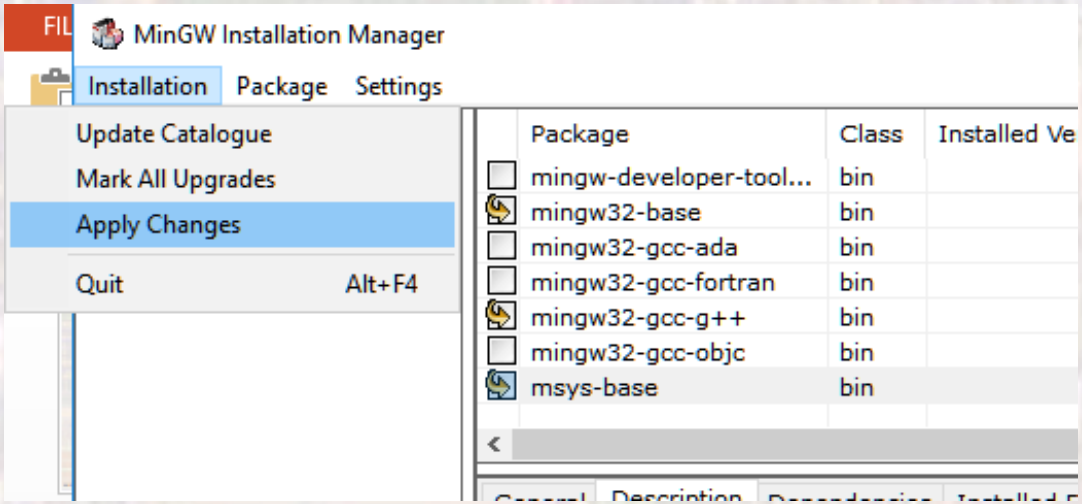
Code Composer Studio

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



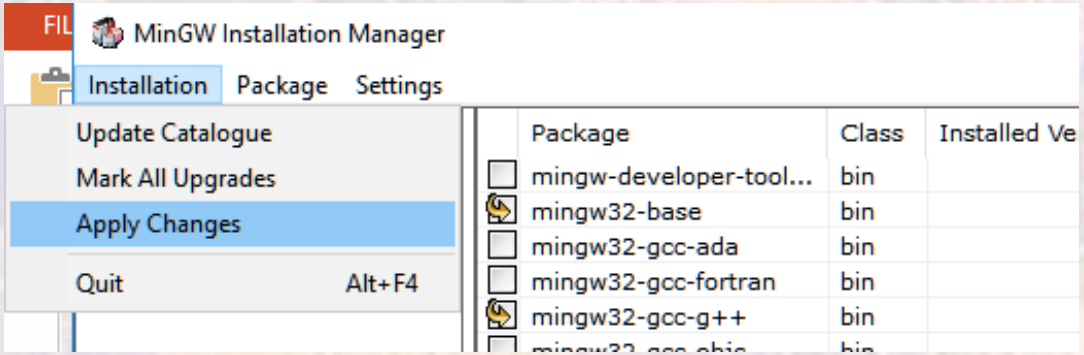
Code Composer Studio

- Installation -> Apply Changes”

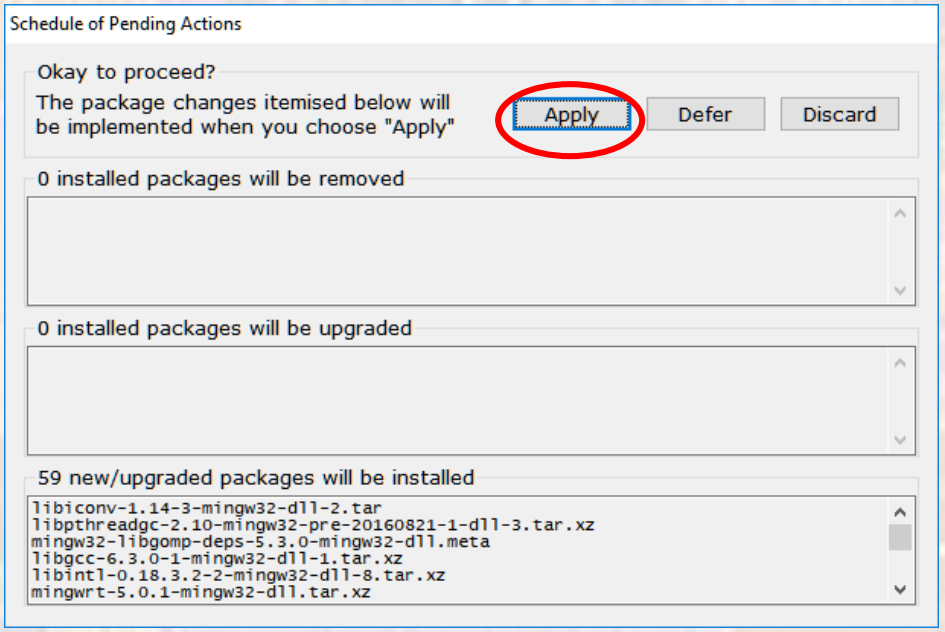


Code Composer Studio

- Installation -> Apply Changes”

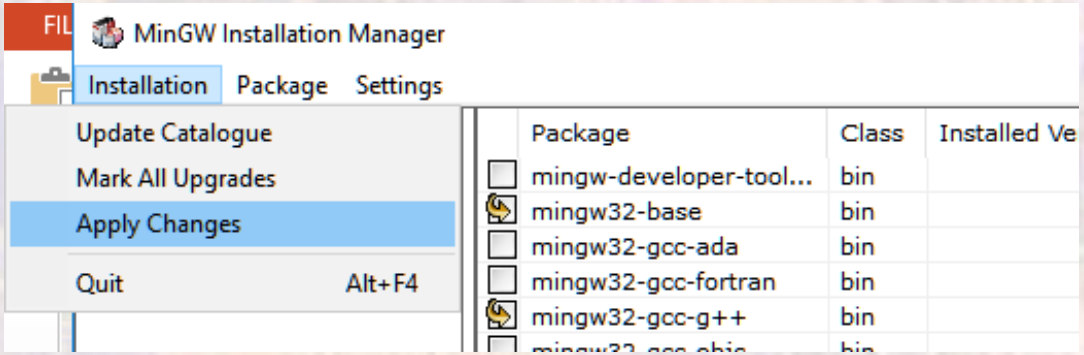


- Apply

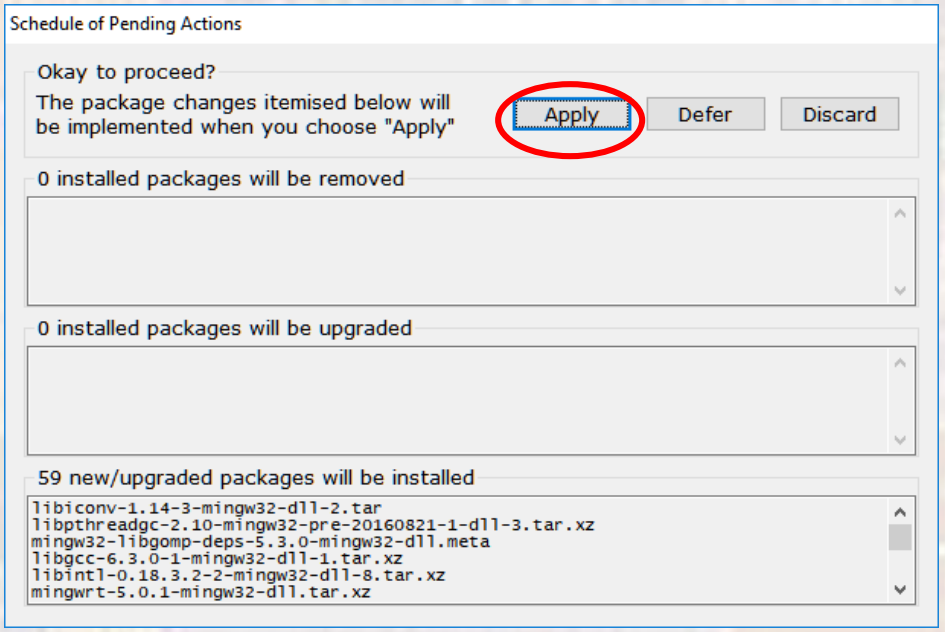


Code Composer Studio

- Installation -> Apply Changes”



- Apply

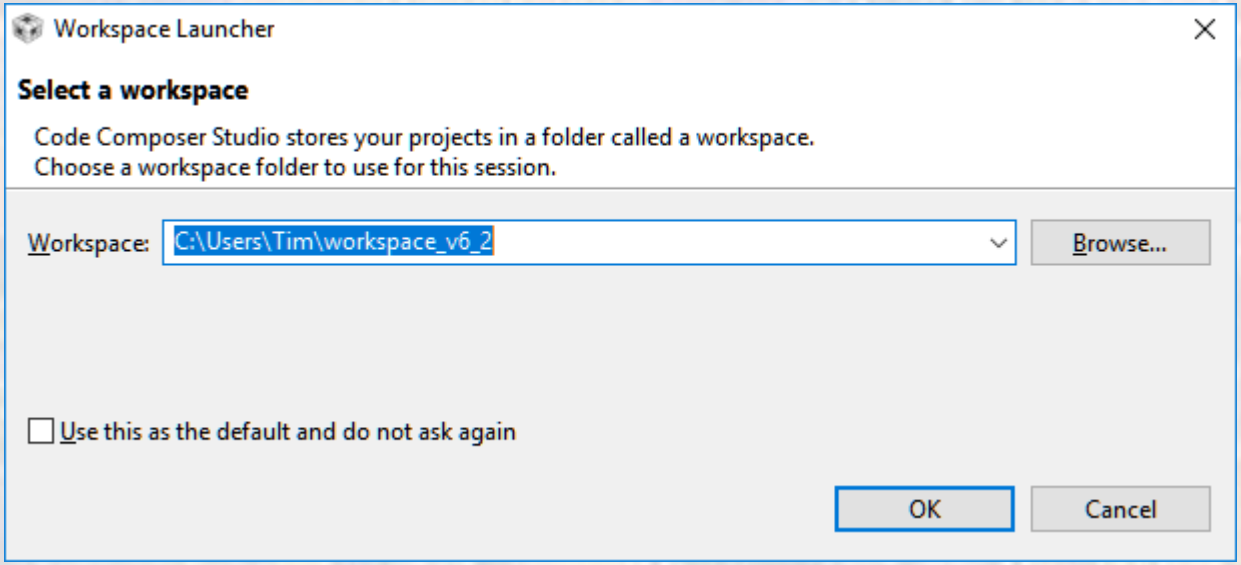


Code Composer Studio

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

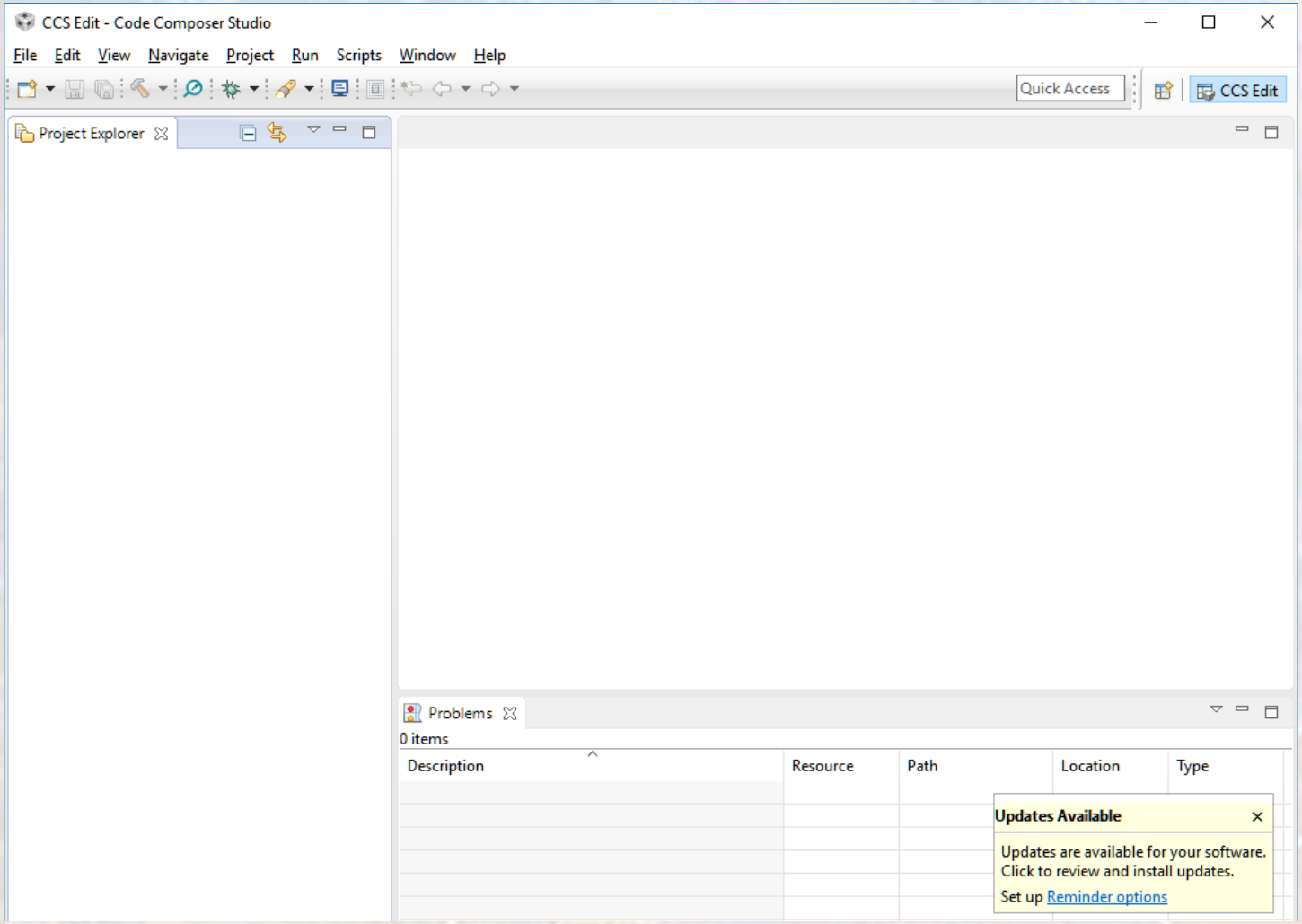
Code Composer Studio

- 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



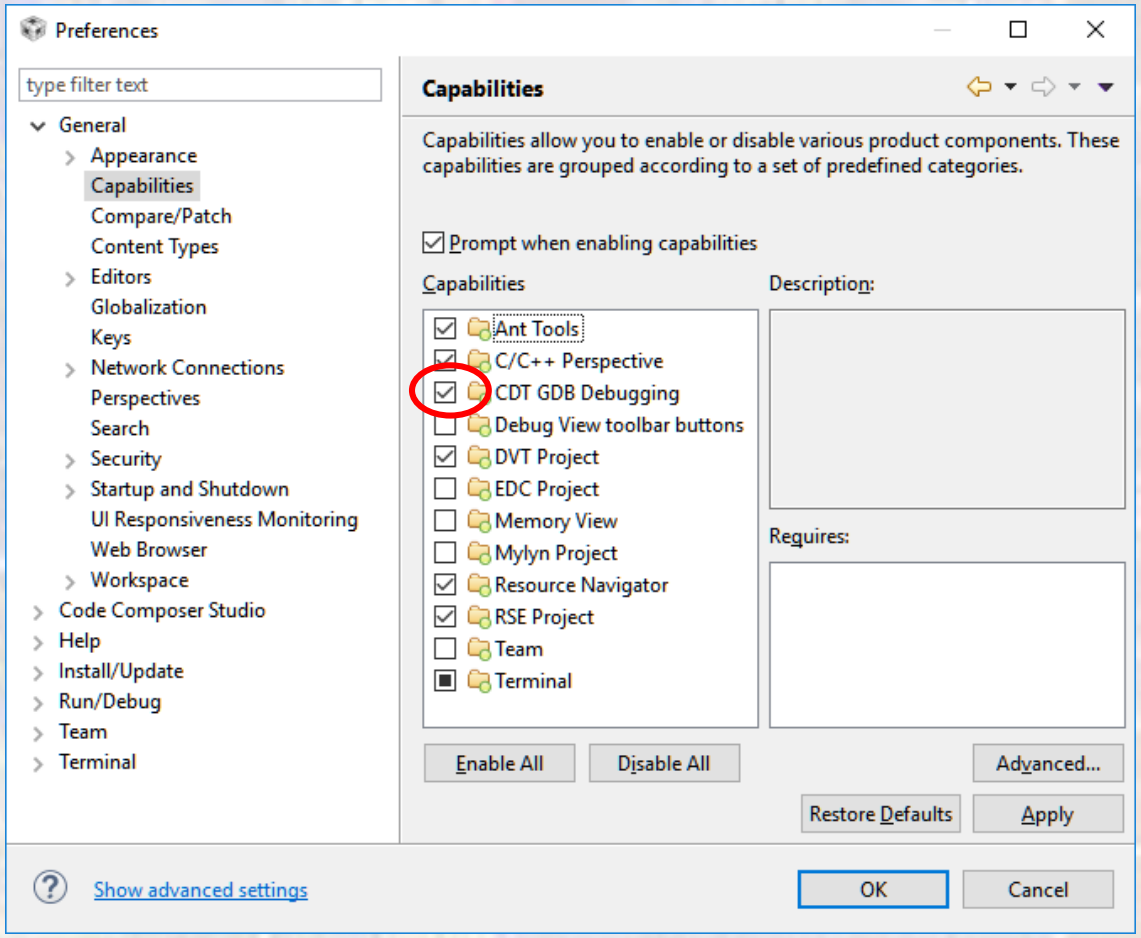
Code Composer Studio

- Close the getting started window



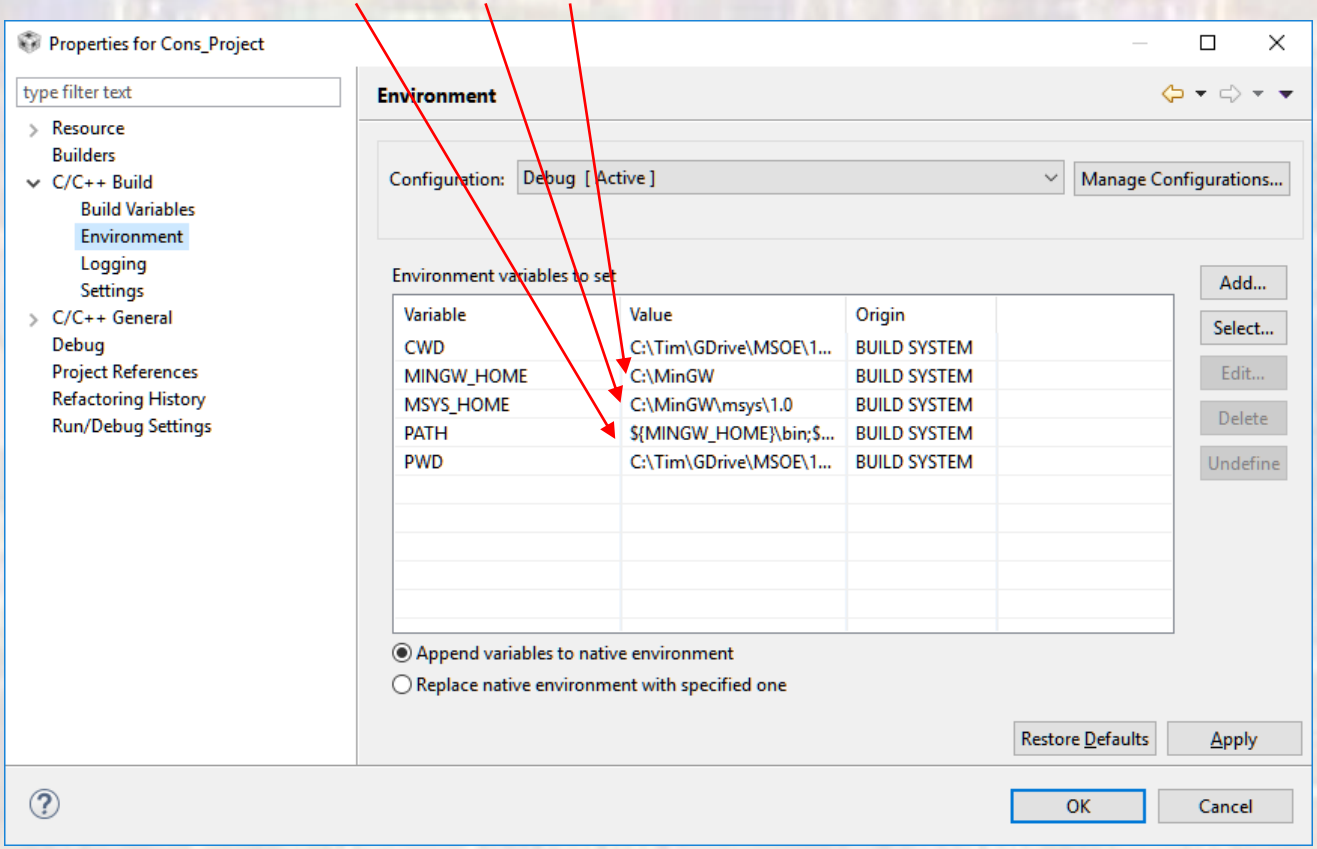
Code Composer Studio

- 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