

Guide to Importing Projects from C2000Ware into Code Composer Studio

Importing using the local installation:

The F28003x Driver Library examples are under the <C2000Ware Installation Directory>\driverlib\f28003x\examples directory. In order to import an example project into Code Composer Studio (CCS), the following steps need to be followed:

1. On the CCS menu bar, select **Project** → **Import CCS projects**. The “Import CCS Eclipse Projects” window will open, click on **Browse** next to the “Select search-directory” box.
2. In the “Select Search Directory” window, navigate to the following folder:
C:\ti\c2000\C2000Ware_<version>\driverlib\f28003x\examples. Select **Ok**.
3. The resulting window displays a list of discovered projects within the F28003x/examples folder. If a smaller set of examples need to be viewed please navigate to the folders within F28003x/examples.
4. From this window, select the project(s) of your choice. Remember the “Copy projects into workspace” box will always be selected. Once completed, click the **Finish** button.

If the “Copy projects into workspace” is checked, the project is copied into the CCS workspace folder. Many projects are structured such that the include files reside in a common folder and several projects can use/reference the same set of common include files. When projects are imported and copied to workspace, the include folders are not necessarily copied. CCS handles the import since the project may still need to reference resources whose paths are set up relative to the original project location.

Note: It is advisable to periodically [clean CCS workspace](#) as it could get corrupted over time. Before cleaning, if there are workspace settings you'd like to preserve, you can save the current workspace settings so they can be imported into the new workspace. Projects will have to be re-imported after cleaning the workspace.

5. The selected project(s) should now be viewable in the “CCS Project Explorer” window.
6. You have now successfully imported an F28003x example project into CCS.

Building:

This section describes how to build an imported C2000 example project:

A project can have multiple build configurations. F28003x example projects have the following configurations

- **CPU1_RAM** -> Indicates that the code runs from RAM, this is the default configuration
 - **CPU1_Flash** -> Indicates that the code runs from Flash
1. To change the build configuration, select **Project** → **Build Configuration** → **Manage**. From this window, select the configuration needed for the current build, or create a new one.
 2. Once the build settings are configured, select a project(s) to build by clicking on the project. The project is recognized as selected if the name is bolded with the word ‘Active’ next to it.
 3. To build the project, select **Project** → **Build Project**. To build all the projects in the workspace, select **Project** → **Build All**.
 4. Notice the tools running in the console window. After the build is complete, a message will appear indicating the build status for the selected project.
 5. If the build failed, check the “Problems” window for errors. Resolve the errors and repeat the build process. Verify that the project(s) has built successfully.
 6. If no errors exist in the “Problems” window, the project is built and ready to be loaded and run.

Running:

This section describes how to download the code to the target board and run the program:

1. In the “CCS Edit” view, select **Run** → **Debug**.
2. If loading a program on to a dual-core device for the C28x cores, a “Launching Debug Session” window will open. Select only CPU1 to load the program on (i.e. uncheck CPU2), and then click **Ok**.
When loading a program on to the connectivity manager Cortex M4 core, such a window will not open up.
3. Notice the “CCS Debug” icon in the upper right-hand corner indicates that the perspective has changed to the “CCS Debug” view. After the program is loaded, the console window will indicate that the Memory Map Initialization is complete. At this point, the program ran through the C-environment initialization routine and stopped at `main()`.
4. The source file containing `main()` will open with a blue arrow pointing to the first line of code to be executed. The program has now been successfully loaded on to the target board and it is ready to run.
5. To execute the program, select **Run** → **Resume**.

For more information about Code Composer Studio visit:

http://software-dl.ti.com/ccs/esd/documents/users_guide/index.html