



SDK Migration

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Migrate SDK demos from 1.0 to 1.2

Agenda

- Overview
- Description of Process
- Q&A

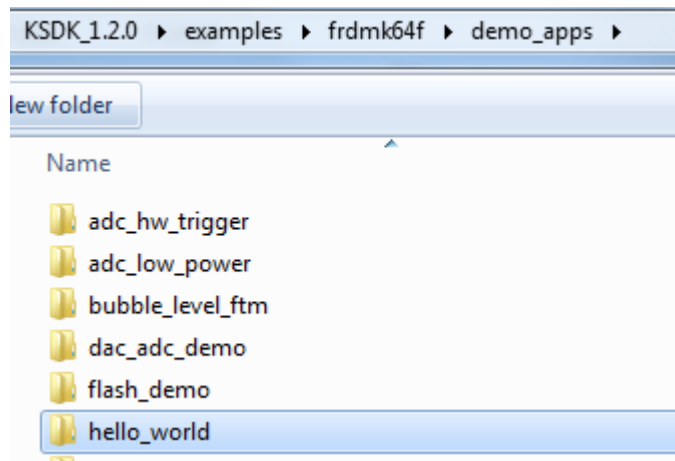


Overview

- Compared with SDK1.0, the architecture of SDK1.2 has been changed greatly. So if want to migrate demos from 1.0 to 1.2, The difference of demo directory between 1.0 and 1.2 should be understood. It can refer to SDK1.0 and SDK1.2 release note.
- Take hello_world demo of frdmk64f on IAR as example.

Description of process

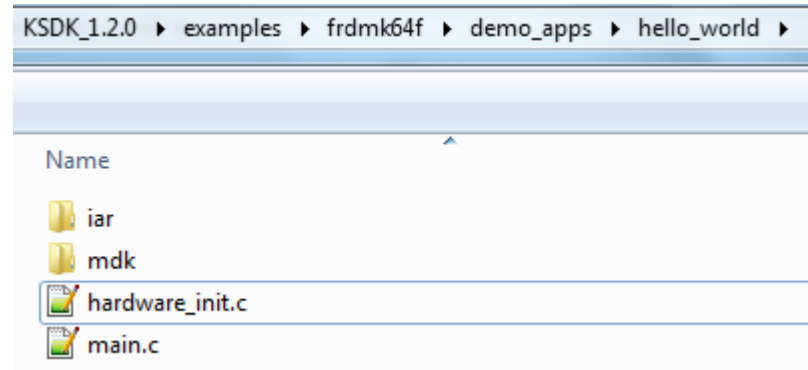
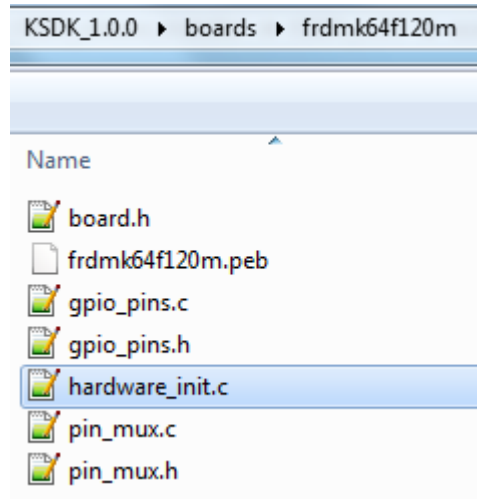
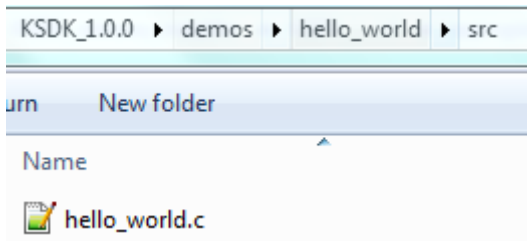
- The SDK1.0 IAR project of hello_world demo is located at `\demos\hello_world\iar\frdmk64f120m\`.
- The demos of SDK1.2 are located at `\examples\frdmk64f\demo_apps\`.
- First, we should create a new directory named “hello_world” under `\examples\frdmk64f\demo_apps\`



Description of process

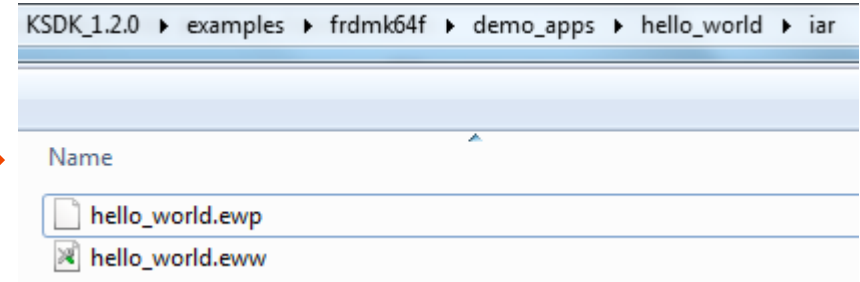
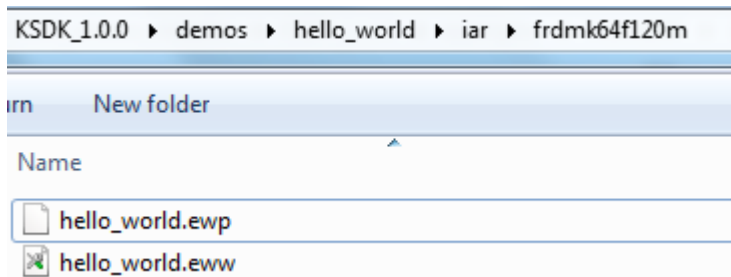
- Create a new directory named “iar” under `\examples\frdmk64f\demo_apps\hello_world\`, if you want to use keil, you can also create a new directory named “mdk” under the same directory, and other tool chains can be operated with the same action.
- Copy the source file “hello_world.c” from 1.0 to 1.2, and changed the name to “main.c”, and modify it according to your needing and API reference manual of SDK1.2.
- Copy “hardware_init.c” from 1.0 to 1.2, and modify it, because in SDK1.2, hardware initialization source file is located at demo directory, it only initializes the necessary modules that this demo required.

Description of process



Description of process

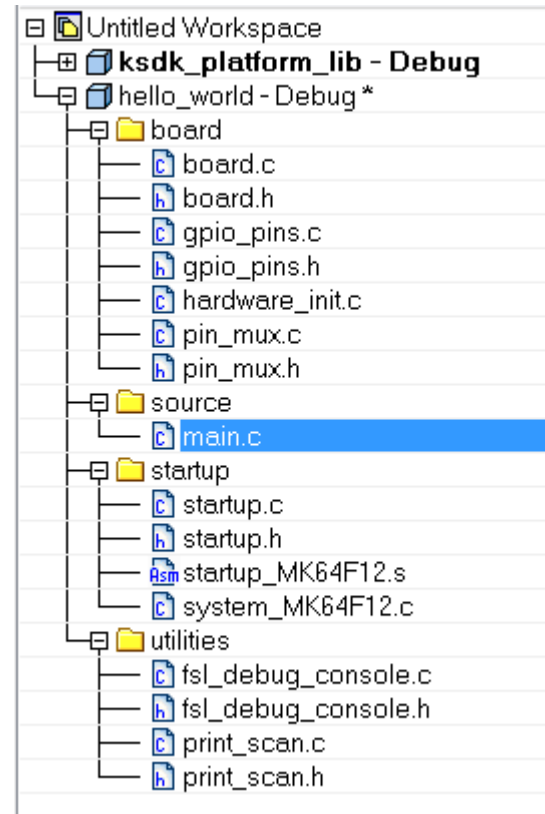
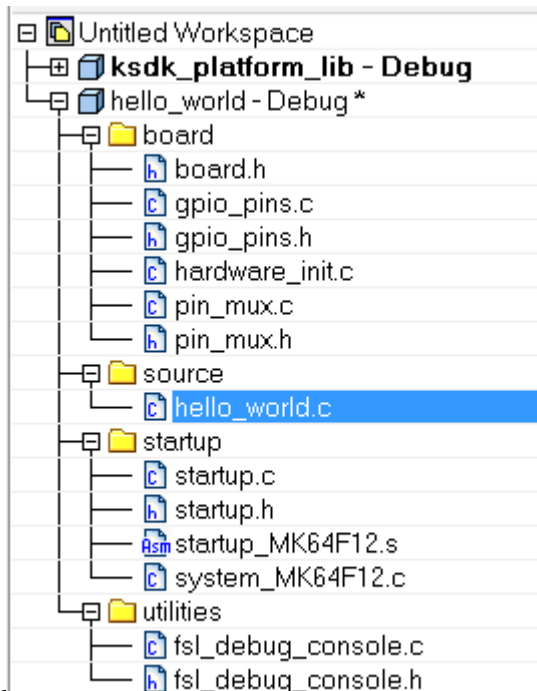
- Copy IAR projects from 1.0 to 1.2



- Then open the IAR project files to change for SDK1.2
 - Relocate the platform library project.
 - Relocate the board configuration files. For SDK1.0, board configuration files are located at \boards\frdmk64f120m, and for SDK1.2, they are located at \examples\frdmk64f and hardware_init.c is located at \examples\frdmk64f\demo_apps\hello_world
 - Relocate the source files of this demo. For SDK1.0, hello_world.c is located at \demos\hello_world\src, and for SDK1.2, main.c is located at \examples\frdmk64f\demo_apps\hello_world

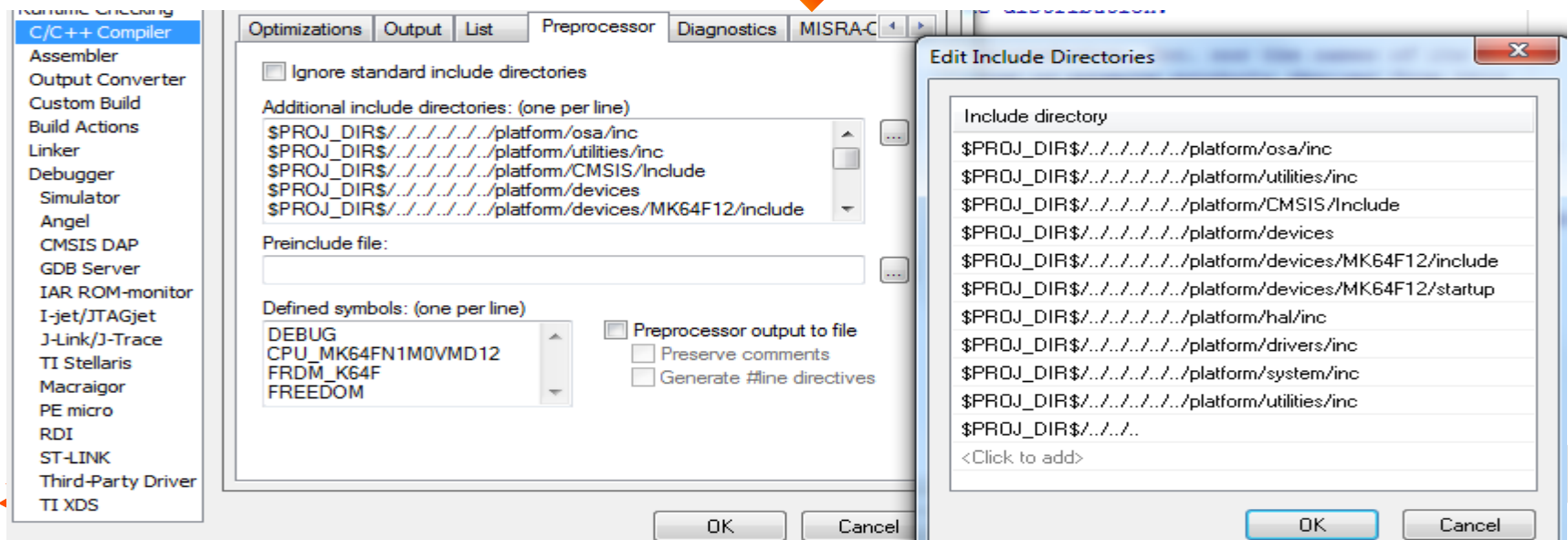
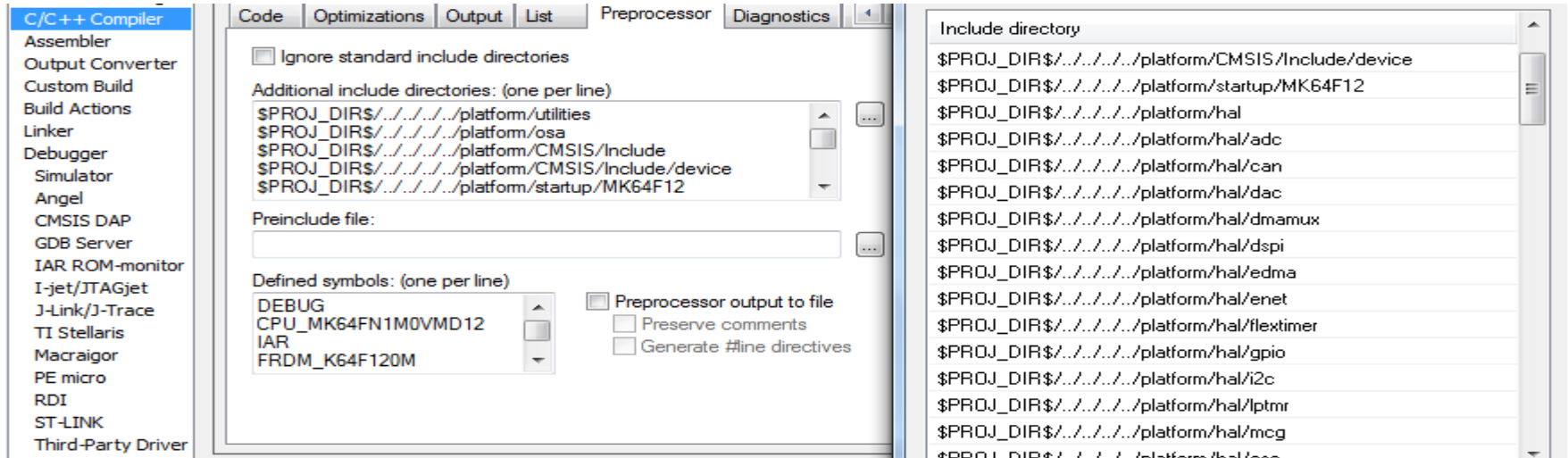
Description of process

- Change the IAR project files for SDK1.2
 - Relocate the startup files. For SDK1.0, these files are located at `\platform\startup` and `\platform\startup\MK64F12`, and for SDK1.2, they are located at `\platform\devices` and `\platform\devices\MK64F12\startup`
 - Relocate the utilities files. For SDK1.0, these files are located at `\platform\utilities`, and for SDK1.2, these files are located at `\platform\utilities`.



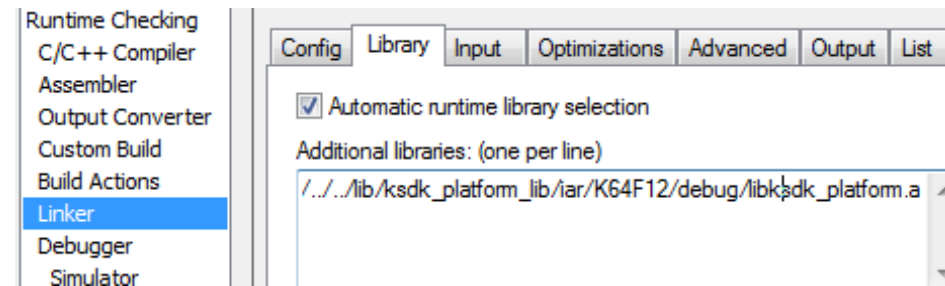
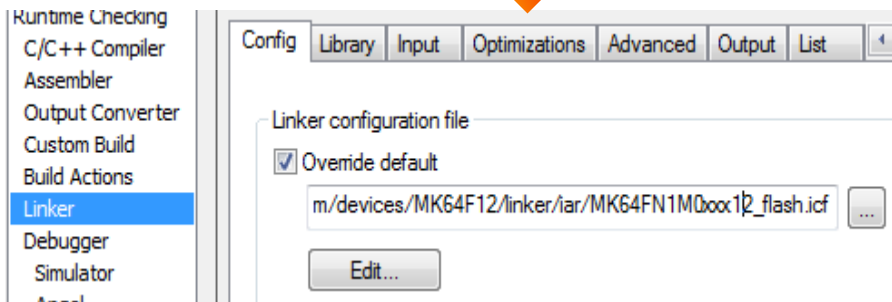
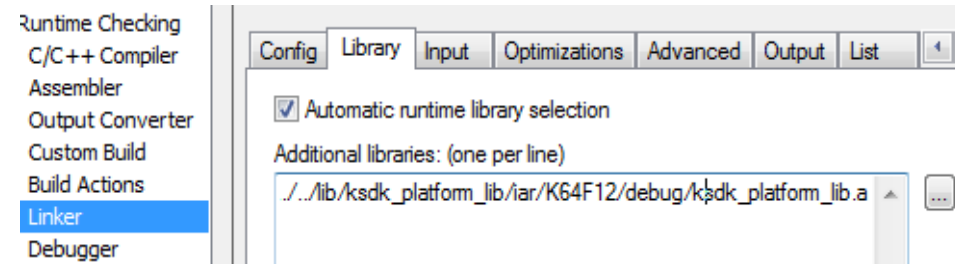
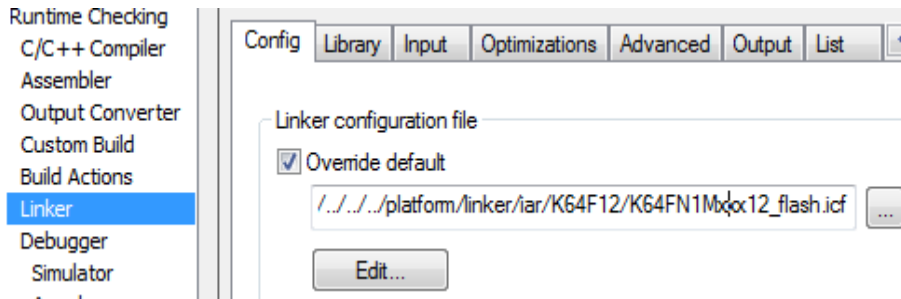
Description of process

- Then change the option of the project.



Description of process

- Change the option of the project.





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