

How to Export MBED Project to KDS

More and more customers now use the ARM MBED develop Internet of Things(IoT) and embedded devices, also includes the kinetis chips. While this development tool only supports writing and compile code , not supports debug project. The good news is now we can export the project to KDS, we can debug it on KDS IDE. Below is the steps how to do it .

Generally it includes four steps:

- 1. Create a Program on MBED**
- 2. Export Program**
- 3. Import Program to KDS**
- 4. Build Program and fix error**

The detail steps as below:

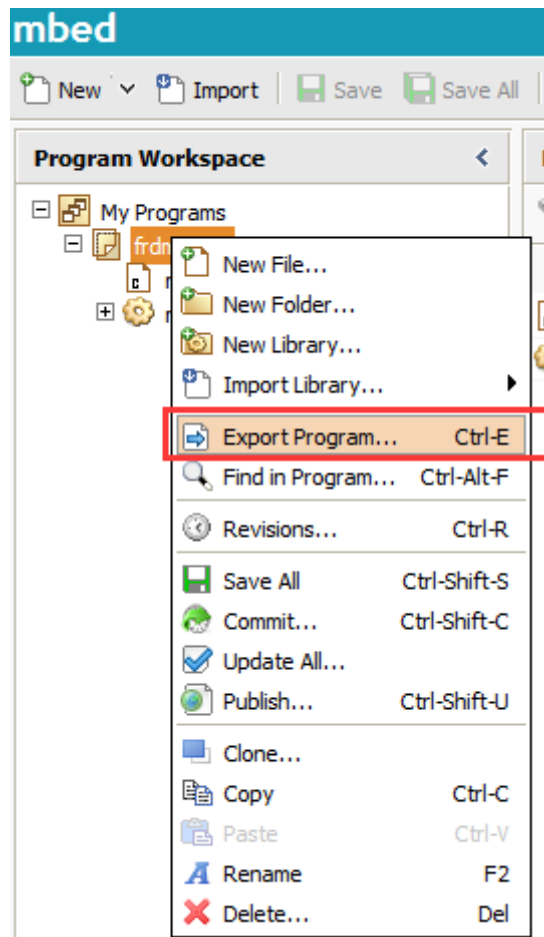
1. Create a Program on MBED

Please refer to this tutorial create your program on MBED:

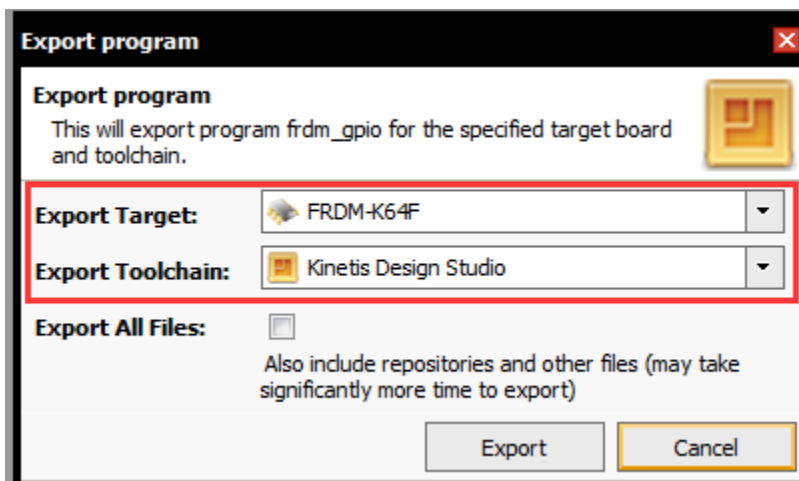
https://docs.mbed.com/docs/mbed-os-handbook/en/5.2/dev_tools/online_comp/

2. Export Program

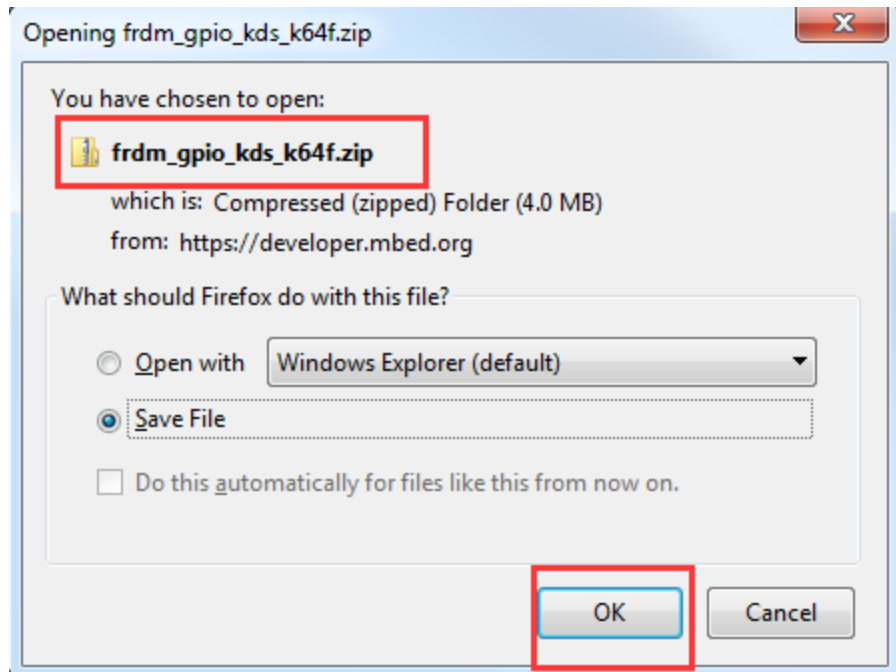
After finish your program , right click it, and choose "Export Program..."



Configure the Export Program view:



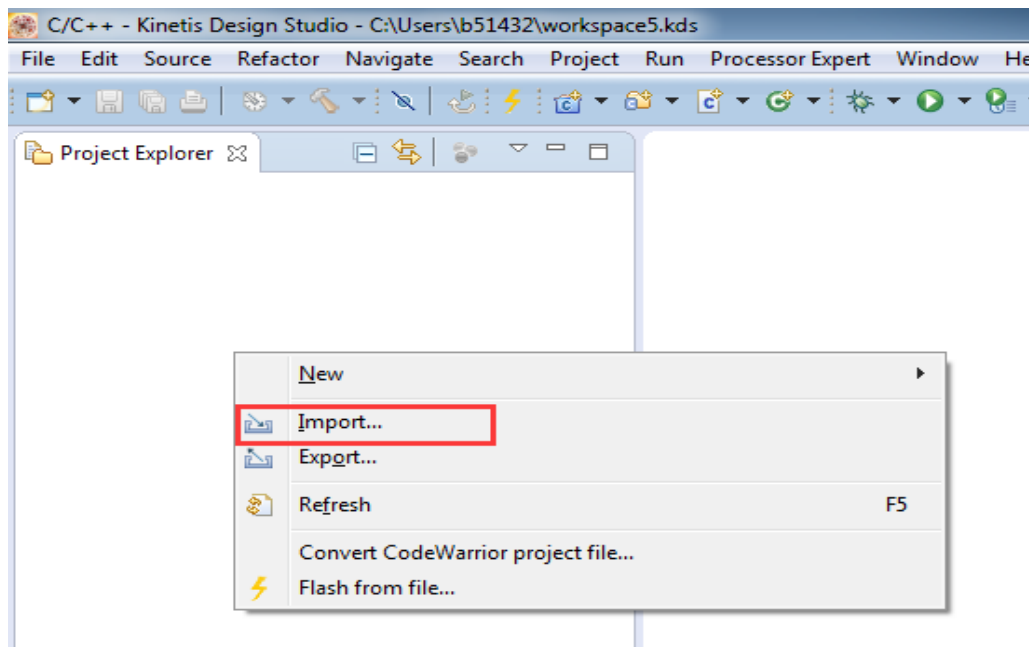
After click "Export", it will shows the saving file view, click "OK":

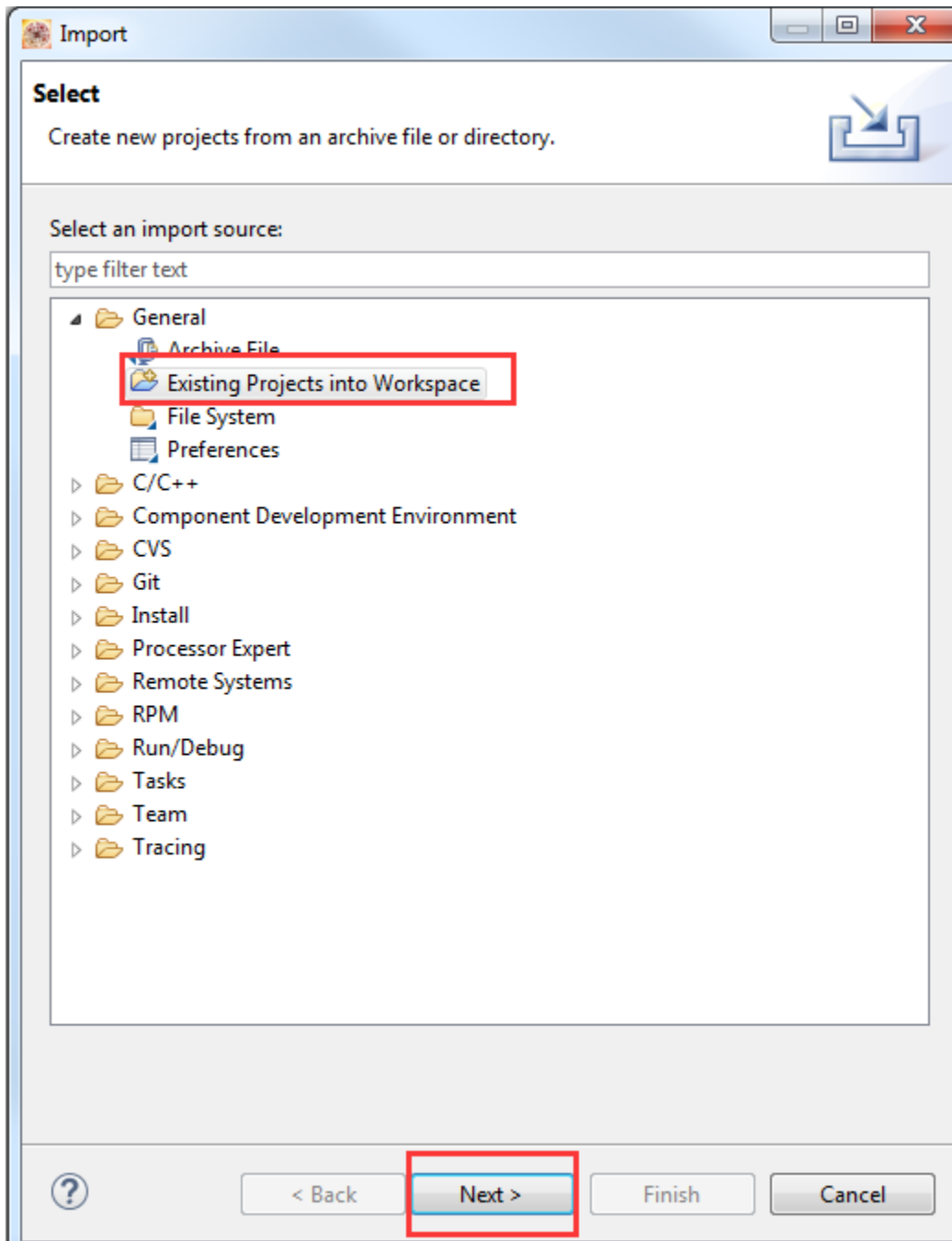


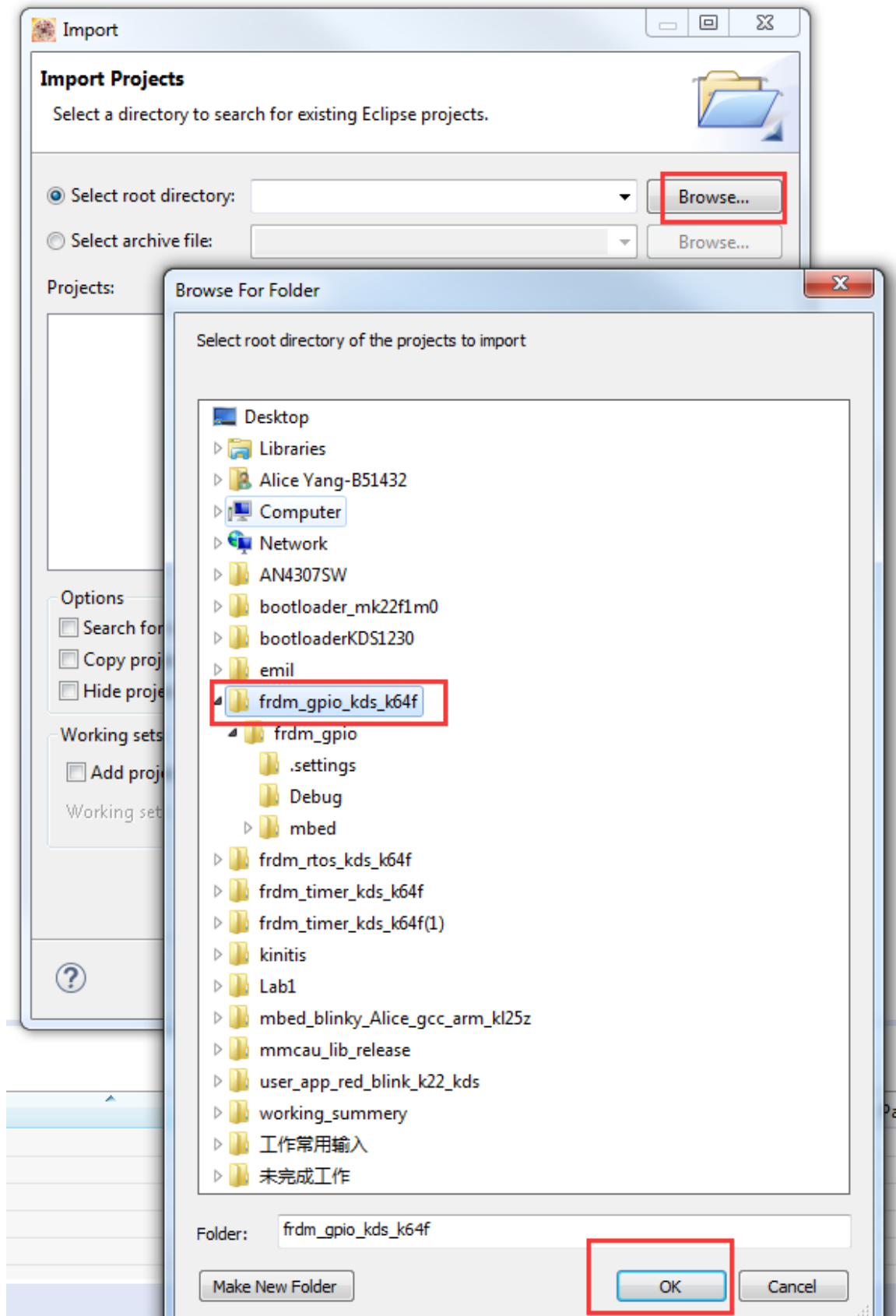
The "frdm_gpio_kds_k64f.zip" folder is the project that can import into KDS IDE.

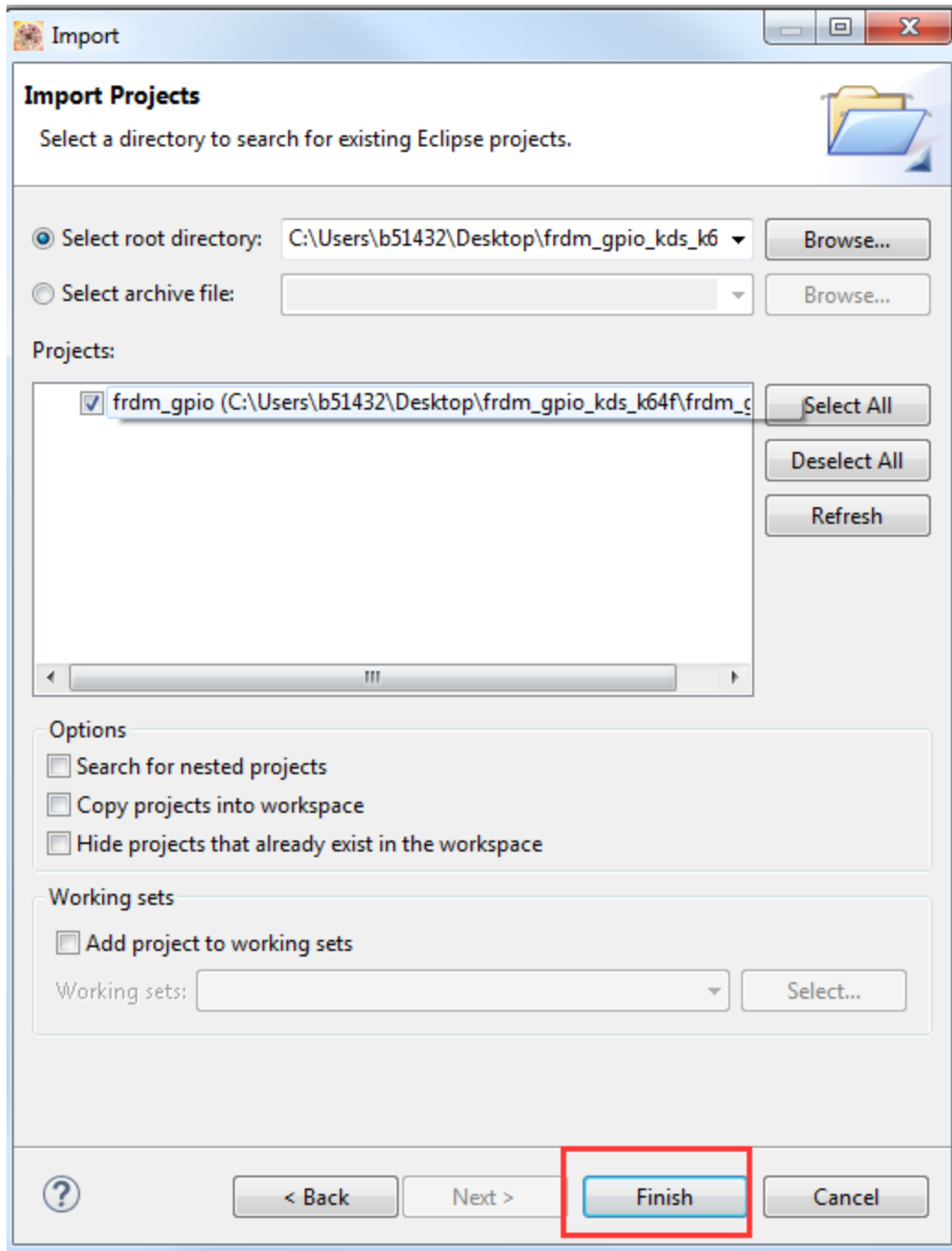
3. Import Program to KDS

Right click at the Project Explorer view, select "Import...", then select the project "frdm_gpio_kds_k64f":



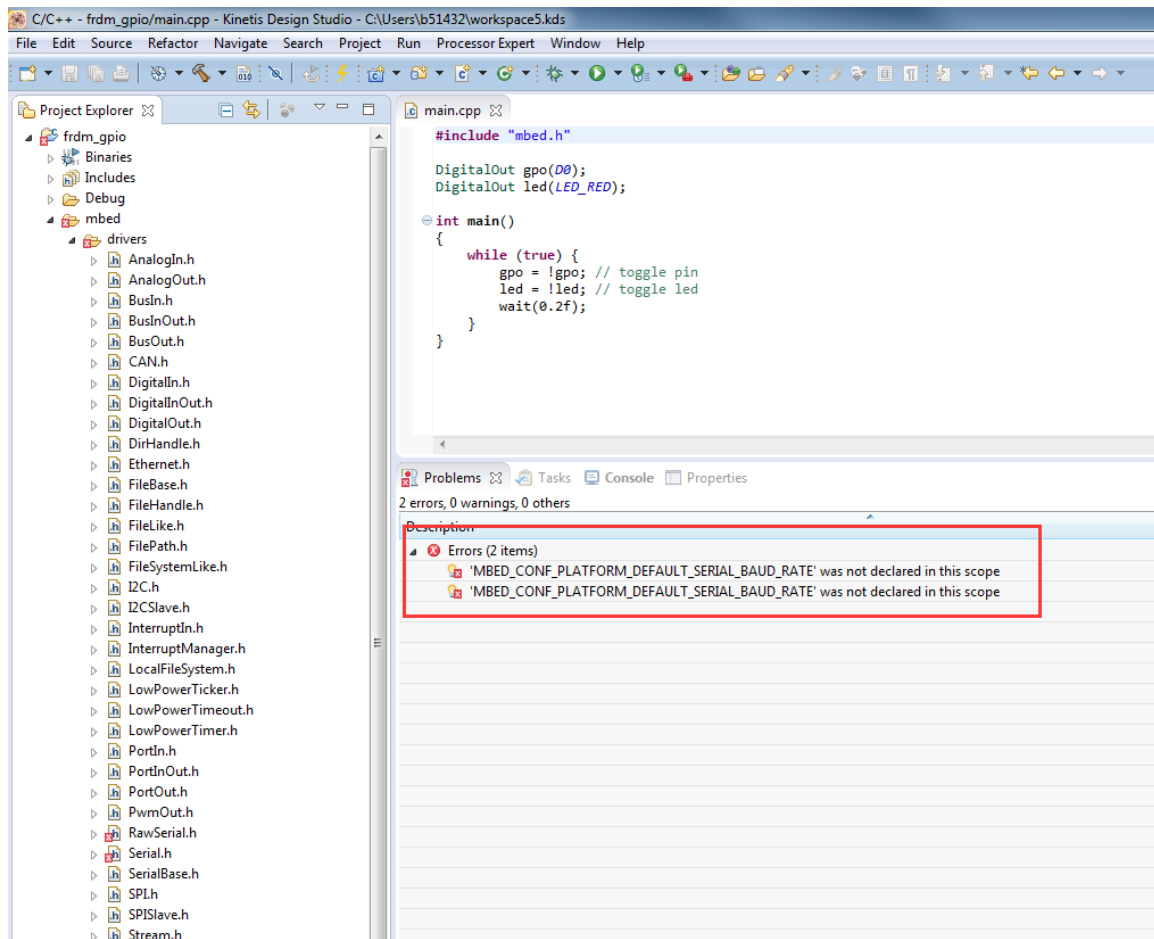






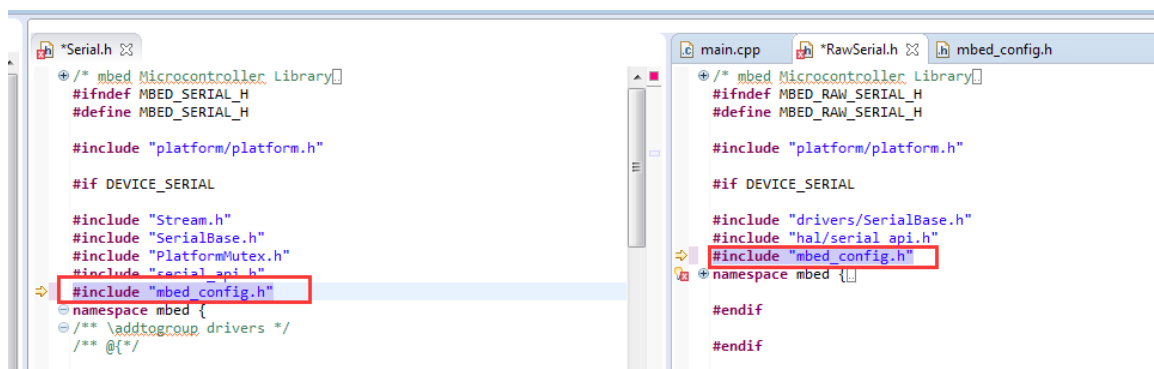
4. Build Program and fix error

After import the project , build, mostly there will be errors:



From the error message we can see that compiler can not find the definition of "MBED_CONF_PLATFORM_DEFAULT_SERIAL_BAUD_RATE".

In fact it defined in the header file of "mbed_config.h", so the workaround is include this header file in the two files "RawSerial.h" and "Serial.h":



Build the project again, you can debug and run your program now .