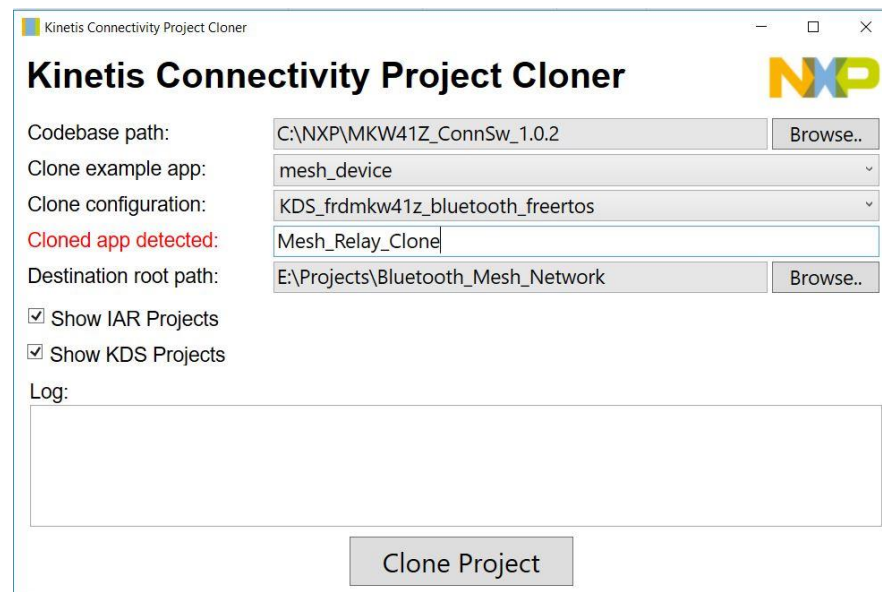
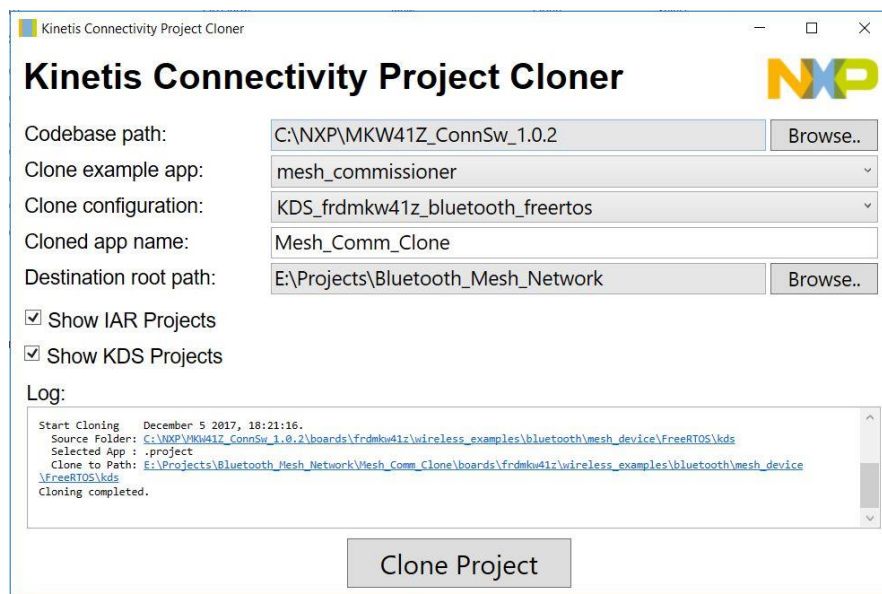


## Steps to run BLE Mesh code:

1. Install KDS, Jlink, Project cloner and teraterm.
2. Clone the following four projects:
  - a. meshcommissioner – Clone to Folder Mesh\_Comm\_Clone.
  - b. meshdevice – Clone to Folder Mesh\_Relay\_Clone
  - c. meshdevice – Clone to Folder Mesh\_Leaf\_Temp\_Clone
  - d. meshdevice - Clone to Folder Mesh\_Leaf\_Light\_Clone
3. Select Clone configuration: KDS\_frdmkw41z\_bluetooth\_freertos.



4. In project Mesh\_Leaf\_Temp\_Clone copy the three files from  
\\Bluetooth\_Mesh\_Network\_Project\_Source\\Mesh\_Leaf\_Temp\_Files folder to  
corresponding folders mentioned below.
  - a. File 1: app.c , app.h – Copy to the folder:  
\\Mesh\_Leaf\_Temp\_Clone\\middleware\\wireless\\bluetooth\_1.2.2\\examples\\mesh\_  
device\\
  - b. File 2: app\_preinclude.h – Copy to the folder:  
\\Mesh\_Leaf\_Temp\_Clone\\boards\\frdmkw41z\\wireless\_examples\\bluetooth\\mesh\_  
\_device\\FreeRTOS\\
5. In project Mesh\_Leaf\_Light\_Clone copy the three files from  
\\Bluetooth\_Mesh\_Network\_Project\_Source\\Mesh\_Leaf\_Light\_Files folder to  
corresponding folders mentioned below.
  - a. File 1: app.c , app.h – Copy to the folder:  
\\Mesh\_Leaf\_Light\_Clone\\middleware\\wireless\\bluetooth\_1.2.2\\examples\\mesh\_d  
evice\\
  - b. File 2: app\_preinclude.h – Copy to the folder:  
\\Mesh\_Leaf\_Light\_Clone\\boards\\frdmkw41z\\wireless\_examples\\bluetooth\\mesh\_  
device\\FreeRTOS\\
6. In project Mesh\_Relay\_Clone copy the three files from  
\\Bluetooth\_Mesh\_Network\_Project\_Source\\Mesh\_Relay\_Files folder to corresponding  
folders mentioned below.
  - a. File 1: app.c , app.h – Copy to the folder:  
\\Mesh\_Relay\_Clone\\middleware\\wireless\\bluetooth\_1.2.2\\examples\\mesh\_device  
\\
  - b. File 2: app\_preinclude.h – Copy to the folder:  
\\Mesh\_Relay\_Clone\\boards\\frdmkw41z\\wireless\_examples\\bluetooth\\mesh\_devic  
e\\FreeRTOS\\
7. In project Mesh\_Comm\_Clone copy the two files from  
\\Bluetooth\_Mesh\_Network\_Project\_Source\\Mesh\_Comm\_Files folders to corresponding  
folders mentioned below.
  - a. File 1: shell.c – Copy to the folder:  
\\Mesh\_Comm\_Clone\\middleware\\wireless\\framework\_5.3.2\\Shell\\Source\\
  - b. File 2: app.c – Copy to the folder:  
\\Mesh\_Comm\_Clone\\middleware\\wireless\\bluetooth\_1.2.2\\examples\\mesh\_com  
missioner\\
8. Build the projects.
9. Select Debug configurations and disable Enable SW0 in Startup tab and load firmware to  
corresponding boards.

10. Verify output via Teraterm with configuration:
  - a. Corresponding port number for J-Link from device manager.
  - b. Baud Rate : 115200
11. Import code from following repositories in mbed.org for FRDMK64F code.
  - a. Temperature sensor:  
[https://os.mbed.com/users/roborags/code/BLE\\_Mesh\\_Temp\\_Sen/](https://os.mbed.com/users/roborags/code/BLE_Mesh_Temp_Sen/)
  - b. Light sensor:  
[https://os.mbed.com/users/roborags/code/BLE\\_Mesh\\_Light\\_Sen/](https://os.mbed.com/users/roborags/code/BLE_Mesh_Light_Sen/)