

FSP MIGRATION GUIDELINES

E2Studio project imports/upgrade to new FSP version for AIK-* boards V1.2

Note: For the following step the "<ID> - Platform ID - is required".

At e2studio toolbar: Go to "Help/CMSIS pack management/Renesas RA" and in the Packs location find the platform ID number, as seen in figure 1 bellow.

In the dialog you will find the ID in the line below "Packs location:"com.renesas.platform_<ID>

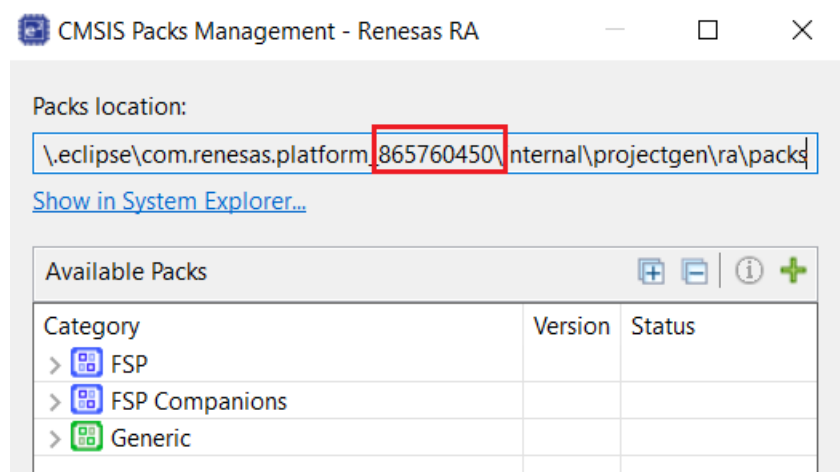


Figure 1. platform ID number

1. Clean user cache of e2studio

If you have a previously installed FSP 5.2.0 or earlier FSP for AIK projects with e2studio exit the running e2studio program.

delete folder:

<home>\.eclipse\com.renesas.platform_<id>\internal\cmsis\data

delete folder:

<home>\.eclipse\com.renesas.platform_<id>\internal\projectgen\ra\<5.2>

<home>\.eclipse\com.renesas.platform_<id>\internal\projectgen\ra\modules

Do not delete the packs folder!!!

2. Copy: The new .pack files into

<home>\.eclipse\com.renesas.platform_<id>\internal\projectgen\ra\packs directory

Renesas.RA_board_ra4e1_aik.5.2.0.pack
Renesas.RA_board_ra6m3_aik.5.2.0.pack

3. Import project / or existing project
 - if you have in the project src directory the tft folder PMD_TFT the exchange the pmd_hw_interface.h with the file delivered together with this instruction file.
4. Open configurator
 - click on properties
 - store the values for "Main stack size (bytes)"
 - store the values for "Heap size (bytes)"

Table 1. Projects Default Heap and Stack Size.

Project	Main stack size (bytes)	Heap size (bytes)
AIK_RA4E1_Asset_Tracking	0x3600	0x600
AIK_RA6M3_Asset_Tracking	0x3600	0x600
AIK_RA6M3_PAS	0x2000	40536

- click on BSP selection box select 5.2 (it is the only one installed)
5. Select the board AIK-RA4E1/AIK-RA6M3 matching to the project.
 6. Generate the FSP data press the "Generate Project Content" upper right button.
 7. Click on Properties
 - restore the values for "Main stack size (bytes)"
 - restore the values for "Heap size (bytes)"
 8. Click on Pins tab
 - if you see the selected board "<MCU>-AIK.pincfg" goto to 9.
 - if you see the selected board "AIK-<MCU>.pincfg"
 - click on "Manage configuration"
 - select "<MCU>-AIK.pincfg"
 - click remove
 - select "AIK-<MCU>.pincfg"
 - click on rename button
 - change the names to "<MCU>-AIK.pincfg"

9. Generate the FSP data press the "Generate Project Content" upper right button.

10. Option menu toolchain compiler, select the gcc version.
Press apply.

11. Clean project

12. Build