[Upgrade to version]

e² studio Integrated Development Environment 2021-04

Overview

We have updated the e² studio integrated development environment from 2021-01 to 2021-04.

Major functional improvements and changes are as follows.

➢ Support for new devices: RE01B, RA6M5, RL78/G23

➢ RL78: Support for SMS (Snooze Mode Sequencer) (only supported for RL78/G23)

➢ RL78: Addition of debug functionality via COM Port communication (only supported for RL78/G23)

➢ RX: Addition of Azure RTOS support

For an overview of the product, refer to the following URL:

https://www.renesas.com/e2studio

1. Version to Be Updated

➢ e² studio 2020-04, 2020-07, 2020-10, and 2021-01

To check the version of e² studio, click the [Help] menu of e² studio > [About e² studio] to open the dialog box.

2. Description of Upgrade

The main contents of the upgrade are described below. Refer to the release note below for details. The release note is available in the [Other] section in the [Documentation & Downloads] list on the e² studio product page. It will be available from April 13.

2.1 Improvements and Changes to Functionality

We have improved and changed the following.

For details about the improvements, refer to "What is new in 2021-04?" in the release note listed above.

2.1.1 Improvements to functionality: Support for new devices (RE01B and RA6M5)

The following new devices are supported.

➢ RE01B

e² studio 2021-04 supports RE01B, released on March 25, 2021. It supports project generation, build, and debugging, with the exception of the Smart Configurator functions.

➢ RA6M5

e² studio 2021-04 supports RA6M5, released on March 31, 2021. It requires installation of FSP v2.4.0, released on March 31, 2021.

2.1.2 Improvements to functionality: Support for new devices (RL78/G23)

e² studio 2021-04 supports RL78/G23, released on April 13, 2021.
The following functions will facilitate RL78/G23 system development.

➢ Addition of debug functionality via COM Port communication **(only supported for RL78/G23)**

RL78/G23 now allows for debugging via COM Port communication using a USB serial conversion adapter. (Note that communication speed is slower than E2 emulator and E2 emulator Lite.)

In e² studio, you can select [COM Port (RL78)] in [Create Hardware Debug Configuration] to debug a program via COM Port communication.
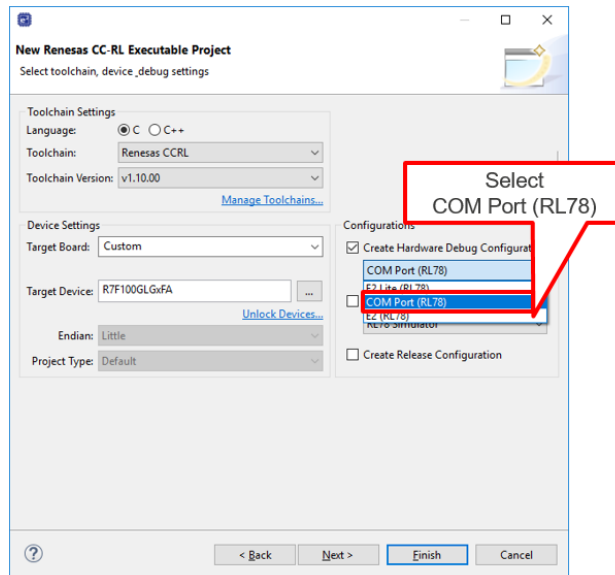

Figure 1 Selecting [COM Port(RL78)] for [Create Hardware Debug Configuration]

➢ Support for SMS (Snooze Mode Sequencer) (**only supported for RL78/G23**)

You can register the SMS assembler V1.00.00 (required to develop SMS functionality) as a toolchain and configure it from the properties menu in an RL78/G23 C/C++ project.
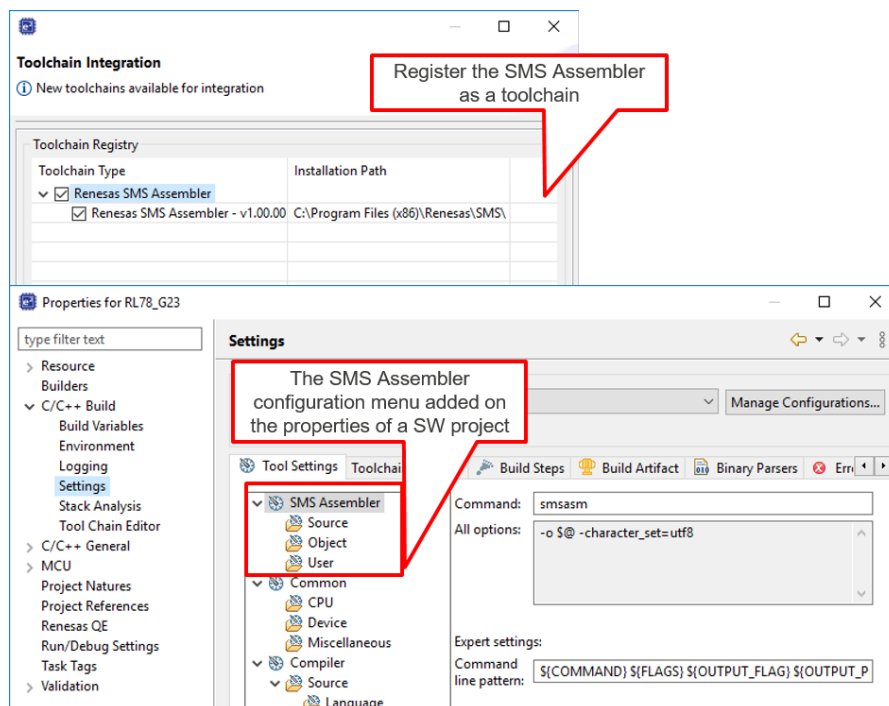

Figure 2 Registering the SMS Assembler and configuration menu

2.1.3   Change to functionality: Addition of Azure RTOS support

When creating a project for RX family, you can now select Microsoft Azure RTOS. When you select Azure RTOS, the software package can be downloaded from the RTOS version management menu. After you create a project, you can add Azure RTOS network stacks and components (for example, NetX Duo and FileX) and configure them.
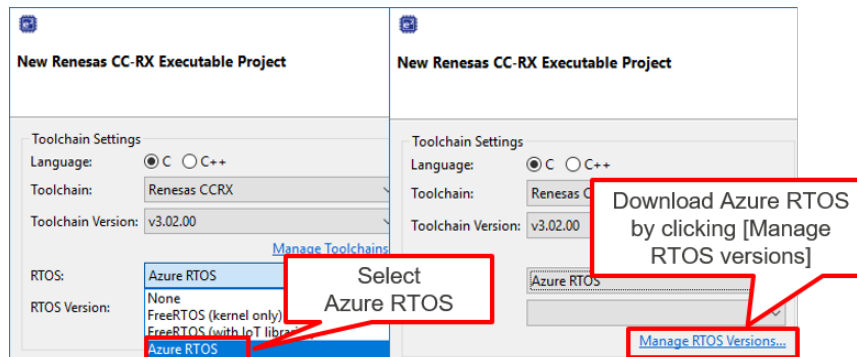

Figure 3 Selecting and downloading Azure RTOS

3.   Updating Your Product

Download the installer from the e² studio product page (the following URL) and install the program. (2021-04 will be available from April 13.)

https://www.renesas.com/e2studio

The installer is available in the [Downloads] section in the [Documentation & Downloads] list.

Note 1: Do not overwrite-install the installed e² studio.
Make sure that the folder path of the install destination does not include any full-width character, one-byte kana character, or symbol other than "_"(underscore).

Note 2: Use this product on a 64-bit Windows OS.
This product does not work on a 32-bit Windows OS.

Note 3 : For RA family and Renesas Synergy™, use the following installer that includes the software packages:

RA Family https://github.com/renesas/fsp/releases

Renesas Synergy™ : https://www.renesas.com/software-tool/e-studio-renesas-synergy

Revision History

Rev.	Date	Description	
		Page	**Summary**
1.00	Apr.13.21	-	First edition issued

Corporate Headquarters

Contact information

Trademarks