

## Overview

We have updated the e<sup>2</sup> studio integrated development environment from 2020-10 to 2021-01.

For an overview of the product, refer to the URL below.

<https://www.renesas.com/e2studio>

## 1. Products and Versions to Be Upgraded

- e<sup>2</sup> studio 2020-04, 2020-07 and 2020-10

To see the version of e<sup>2</sup> studio, select [About e2 studio] in the [Help] menu of e<sup>2</sup> studio and open the dialog box.

## 2. Descriptions of the Upgrade

The main features of the upgrade are described in the following sections. Refer to the release note for details. The release note can be found in the e<sup>2</sup> studio product page under “Documentation & Downloads” -> “Others”. This information will be released on Jan 20<sup>th</sup>.

### 2.1 Improved Functionality

We have improved the following functionalities.

For details about the improvements, please refer to “What is new in 2021-01?” in the release note mentioned above.

#### 2.1.1 New eclipse/CDT platform support

2021-01 includes a new eclipse platform and new version of CDT (C/C++ Development Tooling). New features such as last edit location memory for multiple files and improved coloring in light and dark themes are now available. Please refer to the following documents from [www.eclipse.org](http://www.eclipse.org) for further information about the eclipse/CDT updates.

e <sup>2</sup> studio version	2020-10	2021-01	
eclipse	4.17(2020-06)	4.17(2020-09)	<a href="#">eclipse – What's New</a>
CDT	9.11.1	10.0.1	<a href="#">eclipse Wiki – CDT What's New</a>

#### 2.1.2 Support for new compiler versions

Support for the following compiler versions was added. Project generation and build features of these compilers are now available in e<sup>2</sup> studio.

- C/C++ Compiler Package for RX Family V3.03
- C Compiler Package for RL78 Family V1.10

### 2.1.3 Project generation feature improvement

- In the project generation dialog, device names are listed with device properties such as pin numbers, internal memory size and availability of smart configurator feature. Listed properties vary with device family.

### 2.1.4 Smart Configurator improvements

- FreeRTOS configurations (such as kernel configurations) can be exported as a file which can be imported to another project. This feature is available for RX family.
- Support for the RE family was added in the Smart Configurator. Application programs can be built with RE FSP (Flexible Software Package) modules.

## 3. Updating Your Product

Download and run the e<sup>2</sup> studio installer you can find under “Documents and Downloads” in the e<sup>2</sup> studio product page (<https://www.renesas.com/e2studio#documents>). 2021-01 will be available from Jan. 20<sup>th</sup>.

Note 1: Please refrain from installing over existing e<sup>2</sup> studio.

Installation target folder path should not contain multi-byte characters, space, and punctuation marks except ‘\_’ (underscore).

Note 2: This product does not work with 32-bit Windows OS. In the 32bit OS environment, please use e<sup>2</sup> studio V7.8.0. The installer is also available in the e<sup>2</sup> studio product page.

Note 3: For the device families RA and Renesas Synergy™, please use installers with software packages available at the following URLs:

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	Jan.16.21	-	First edition issued

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