

[Upgrade to version]
e² studio Integrated Development Environment 2021-10

R20TS0758EJ0100
Rev.1.00
Oct. 1, 2021

Overview

We have updated the e² studio integrated development environment from 2021-07 to 2021-10.

Major functional improvements and changes are as follows.

- Upgrade versions of Eclipse platform and CDT (C/C++ Development Tooling)
- Support of Smart Configurator for RX version 2.11.0
- Improvements of configurator features with Azure RTOS projects for RX Family

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, 2021-01, 2021-04 and 2021-07

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 Oct 6th.

<https://www.renesas.com/search/keyword-search.html?q=R20UT5049&genre=document>

2.1 New functions, Improvements to Functionality

We have improved and changed the following.

For details about the improvements, refer to “What is new in 2021-10?” in the release note listed above.

2.1.1 New eclipse/CDT platform support

2021-10 includes a new eclipse platform and new version of CDT (C/C++ Development Tooling). Please refer to the following documents from www.eclipse.org for further information about the eclipse/CDT updates.

| e ² studio version | 2021-07 | 2021-10 | |
|-------------------------------|---------------|---------------|---|
| eclipse | 4.19(2021-03) | 4.20(2021-06) | eclipse – What’s New |
| CDT | 10.2.0 | 10.3.1 | eclipse Wiki – CDT What’s New |

2.1.2 Improvements of Smart Configurator

Smart Configurator 2.11.0 is supported in 2021-10. The following features are improved in this version.

- Device support for RX140 Group
Smart Configurator code generation feature is available for the device group.

- Acceptance of renamed configuration file

Removed limitation of Smart Configurator which accepted only {ProjectName}.scfg as configuration filename. With this improvement, users can switch configurations without duplicating projects.

- Auto code generation before project build

Smart Configurator automatically generate code before project build if unsaved changes were detected in configurator. This prevents losing unsaved configurations in source codes.

2.1.3 Improvements of Azure RTOS configurator for RX Family

- Added RTOS object configuration

RTOS objects (such as thread, semaphore, event) can be configured in configurator for Azure RTOS projects.

3. Updating Your Product

Download the installer from the e² studio product page (the following URL) and install the program. (2021-10 will be available from Oct. 6th.)

<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 multi-byte characters, extended ASCII (half byte character greater than 0x7f) characters or symbol characters 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 | Oct.01.21 | - | First edition issued |
| | | | |

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