[Upgrade to Version]
e² studio Integrated Development Environment 2023-04

Outline

We have updated the e² studio integrated development environment from 2023-01 to 2023-04.

Major functional improvements and changes are as follows.

➢ Upgrade version of Eclipse platform and CDT

➢ Support of device groups: DA14706, DA16200 and DA16600

➢ Changed specification of Smart Manual database

➢ Support of new versions of Smart Configurator for RX (2.17.0) and RL78(1.6.0)

➢ Improvements of user interface

➢ Improvement of debugger for RA Family

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

https://www.renesas.com/e2studio

1. Products to Be Updated

➢ e² studio versions from 2020-04 to 2023-01

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

2. Description

The main contents of the upgrade are described below. Refer to the release note below for details.
The release note is available in the [Documentation] list on the e² studio product page. It will be available from Apr. 20th.

https://www.renesas.com/search?keywords=R20UT5280

2.1 New Features, Improved Functionality

We have improved and changed the following.

For details about the improvements, refer to "What is new in 2023-04?" in the release note listed above.

2.1.1 New eclipse platform support

2023-04 includes a new eclipse platform and new version of CDT (C/C++ Development Tooling).
Please refer to the following documents for details.

e² studio version	2023-01	2023-04	
eclipse	4.25(2022-09)	4.26(2022-12)	Eclipse Project 4.26
CDT	10.7.0	11.0.0	CDT New & Noteworthy

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2.1.2 New devices support

Added support of the following device and device groups in e² studio 2023-04.

➢ Supported new devices : DA14706, DA16200 and DA16600

Supports Dialog SDK project import, build and debugging for these devices. The SDK(SmartSnippets™ Software Development Kit) for each device groups are provided as a workspace contain sample projects with source files such as BSP(Board Support Package).

DA14695 has been supported in e² studio 2023-01.

2.1.3 Specification change of Smart Manual database

Delivery of Smart Manual database has been changed from plugin to zip file format in e² studio 2023-04. We will release zip formatted databases for 2023-04 and future versions of e² studio. Since the file format is no longer compatible with 2023-01 and older version of e² studio, new database releases will not be detected in these older versions. It is recommended upgrading e² studio to the latest version.

2.1.4 New versions of Smart Configurator support

The following new version is supported. Please refer to each of Smart Configurator Release Note for details.

➢ Smart Configurator for RX 2.17.0

➢ Smart Configurator for RL78 1.6.0

2.1.5 Improvements of User interface

The following features are improved for usability in e² studio 2023-04.

➢ Optimized toolbar items

In order to improve visibility and operatability, default toolbar items are optimized to show only nessesary buttons.

New Code Generation button (only works in CG supported projects) and Renesas Toolchain Management (only for configure toolchains; available via Help -> "Add Renesas Toolchains") have been removed for example.

Disabled LaunchBar (located in up-left in toolbar; the feature of build and debug for specific debugging target) as default. LaunchBar can be restored by configuring workspace property.

➢ Silently register detected toolchains

Dismissed notification dialog of newly detected toolchains at lauching e² studio (typically right after installation of e² studio and/or toolchains). Launch process is shortened with this improvement.

2.1.6 Improvement of Debugger for RA Family

Added a feature in RA debugger to support vector catch type VC_SFERR. It detects fault event of Security Fault exception in Cortex-M33 core devices.

3.　Updating Your Product

　Download the installer from the e² studio product page (the following URL) and install the program.
(2023-04 will be available from Apr. 20th.)

　https://www.renesas.com/e2studio

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

　Note 1: When you have e² studio 2022-10 and older versions, please **install e² studio 2023-04 to a new location** instead of using "Upgrade" installation.
　　　　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: Windows version of this product supports 64-bit Windows.
　　　　This product does not work on a 32-bit Windows.

　Note 3: For FSP/SSP supported device families and groups (RA, RZ/T2x, RZ/N2x, RZ/A2x, RZ/A3x, RZ/G2x, RZ/V2x and Renesas Synergy™), use the installer that includes the software packages.
　　　　Please refer to the following page for software packages and the installers :

　　　　Software - Middleware, Drivers, OS:
　　　　https://www.renesas.com/design-support/software

Revision History

Rev.	Date	Description	
		Page	Summary
1.00	Apr. 16.23	-	First edition issued

Corporate Headquarters

TOYOSU FORESIA, 3-2-24 Toyosu,

Koto-ku, Tokyo 135-0061, Japan

www.renesas.com

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www.renesas.com/contact/

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