

RENESAS TOOL NEWS on October 1, 2014: 141001/tn9

## **e2 studio, Eclipse open-source based Integrated Development Environment, revised to V3.1.0.24.**

We have revised the e2 studio integrated development environment (IDE) from V3.0.1.09 to V3.1.0.24.

For an overview of the product, see the following page:

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

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### 1. Product and Versions to Be Updated e2 studio V3.0.0 through V3.0.1.09

You can check the version number of your e2 studio in the dialog box opened by selecting "About e2 studio" from the "Help" menu of the e2 studio.

### 2. Description of Revision

#### 2.1 Improvements

##### (1) Added Optimization Assistant feature

This feature calculates ROM sizes for series of compiler optimization sets.

To see this feature, in the [C/C++] perspective mode, open "Optimization Assistant" view through the menu of "Window" -> "Show View", then choose "Other" -> "e2 Solution Toolkit", then "Optimization Assistant."

##### (2) Added Real-time OS plugin feature

- Now supports Renesas Real-time OS RI600V4 V1.04.00.

e2 studio generates a task template for RI600V4 linkable with OS kernel library. Debugger shows OS resource state such as task and semaphore.

Task state transitions are visualized by timing chart.

- Now supports Micrium uC/OS III and Segger embOS, partner Real-time OSs.

Task-aware debugging features are available for these partner Real-time OS.

(3) Applied the latest C/C++ Development Tooling (CDT) plugin

- Upgraded from CDT 8.3 to CDT 8.4.

Please see the link below for details of this upgrade:

<http://wiki.eclipse.org/CDT/User/NewIn84>

(4) Added RH850 multicore debugging feature

- Added multi-core, multi-thread debugging feature for RH850/F1H.

(5) Added Chinese (Simplified) language plugin

- Menus and dialogs are displayed in Chinese on Chinese Windows environment.

## 2.2 Problems Fixed

(1) The following problem has been fixed:

- Note on Using e2 studio, Eclipse open-source based Integrated Development Environment, V3.0.0.22, V3.0.1.07, V3.0.1.08, and V3.0.1.09

For details of the problem, see RENESAS TOOL NEWS Document No. 140901/tn2.

<https://www.renesas.com/search/keyword-search.html#genre=document&q=140901tn2>

## 3. Updating Your Product

Online or offline updating is available free of charge.

If the e2 studio installed on your computer is version V3.0.0 or a later, update your e2 studio in either of the ways described in section 3.1 or 3.2.

If you are using V2.2 or an earlier version, please see section 3.3.

### 3.1 Online update

Select "Check for Updates" from the "Help" menu of the e2 studio to find available updates for your e2 studio.

This service will be available from October 6, 2014.

### 3.2 Downloading an update file from the web site

The file will be published on this site on October 6, 2014.

Once the file is available, update your e2 studio through the following steps:

(1) Download the update file "e2 studio Differential Update program

V3.1.0.24" (e2\_studio\_3.1.0.24\_update.zip) from the following URL:

[https://www.renesas.com/e2studio\\_download](https://www.renesas.com/e2studio_download)

(2) Select "Preferences" from the "Window" menu of the e2 studio.

(3) Click the "Available Software Sites" in the "Install/Update" tree list on the "Preferences" dialog.

Uncheck all sites, if "Available Software Sites" has any checked entries.

Note: Write the original settings down to recover them, if necessary.

(4) Click on the "Add" button and open the "Add Site" dialog.

(5) Click on the "Archive" button on the "Add Site" dialog, and select the update file downloaded in step (1).

(6) Click on the "OK" button to return to the "Preferences" dialog, ensure that the checkbox of the local site added in step (5) is selected as "Available Software Sites" list, and click on the "OK" button.

(7) Select the "Check for Updates" on the "Help" menu to update to 3.1.0.24.

### 3.3 Downloading the installer file from the web site

The file will be published on this site on October 6, 2014.

Download the installer file "e2 studio 3.0.0.24 installer (Single Download) " (e2\_studio\_3.1.0.24\_setup.exe) from the following URL and run:

[https://www.renesas.com/e2studio\\_download](https://www.renesas.com/e2studio_download)

The installer file "e2 studio 3.0.0.24 installer (Multipart Download) " is also available.

Note: This installer should not be applied onto existing older version of e2 studio. Uninstall older version or install V3.1.0.24 into another folder.

### 4. New install

If you are going to make a news installation of e2 studio, install it in the way described as 3.3.

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