

# e<sup>2</sup> studio 3.0

## Installing into Existing Eclipse Environment

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### Introduction

Renesas e<sup>2</sup> studio can be installed as a set of plugins into an existing Eclipse environment. This guide details the process for installing these plugins and the required Eclipse environment. It also details the procedure for updating e<sup>2</sup> studio plugins already installed into an Eclipse environment.

### Contents

1. Requirements .....	2
2. Installation Methods .....	2
3. Installation Procedure.....	3
4. Updating from previous versions.....	6
5. Resolving Dependency Problems.....	7
6. Known Issues .....	9

## 1. Requirements

### 1.1 Eclipse

e<sup>2</sup> studio 3.0 has been developed for use with Eclipse 4.3.1. While installation into later versions of Eclipse may be possible, full functionality cannot be guaranteed. This installation procedure has been tested in Eclipse 4.3.1 & 4.3.2.

There are known issues using e<sup>2</sup> studio plugins in 64 bit versions of Eclipse. On 64 bit operating systems use of the 32 bit version of Eclipse is recommended.

#### 1.1.1 CDT

e<sup>2</sup> studio 3.0 uses a modified version of CDT 8.3 which includes additional features and bug-fixes not included in the standard CDT 8.3 release. Use of this CDT is a requirement for using e<sup>2</sup> studio plugins. This CDT is available from the e<sup>2</sup> studio Update Site and will be installed along with the e<sup>2</sup> studio plugins. The full SDK for the modified CDT, including full source code, is available from the e<sup>2</sup> studio Update Site.

If you already have CDT installed & encounter errors during installation it may be necessary to manually update to the e<sup>2</sup> studio version before installation, please see section 5.1 for instructions.

### 1.2 Code Generation Feature

The Code Generation feature of e<sup>2</sup> studio 3.0 requires .Net Framework 4. It is recommended that you do not select the Code Generation feature unless .Net Framework 4 or 4.5 is installed.

**Important:** Installing the Code Generation feature requires Administrative privileges. If you have User Account Control enabled, or are using a non-administrative account, you will be prompted for permissions as part of the installation process.

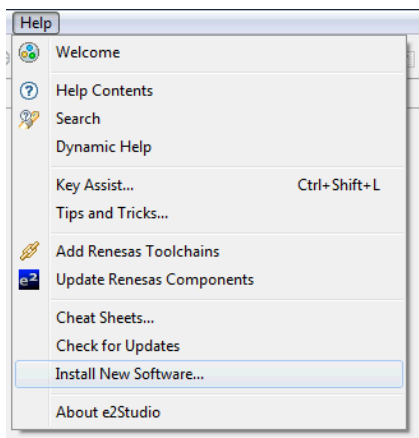
## 2. Installation Methods

Renesas e<sup>2</sup> studio plugins are available either as an internet accessible Eclipse Update Site or as a set of downloadable archive update sites.

### 3. Installation Procedure

#### 3.1 Adding e<sup>2</sup> studio Update Sites

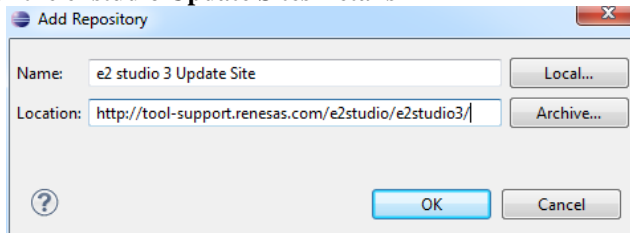
1. Go to Help -> Install New Software...



2. Click the “Add” button to add the e<sup>2</sup> studio Update Sites  
You will need to add the following sites:

Name	Location
e <sup>2</sup> studio 3 Update Site	<a href="http://tool-support.renesas.com/e2studio/e2studio3/">http://tool-support.renesas.com/e2studio/e2studio3/</a>
e <sup>2</sup> studio 3 CDT Update Site (Required only if CDT already installed)	<a href="http://tool-support.renesas.com/e2studio/e2studio3/cdt/">http://tool-support.renesas.com/e2studio/e2studio3/cdt/</a>

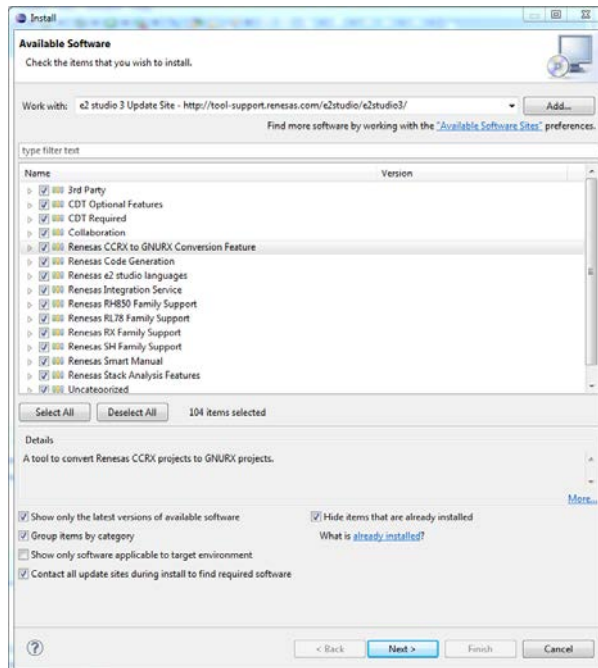
3. Enter the e<sup>2</sup> studio Update Sites Details



4. Click OK

### 3.2 Installing e<sup>2</sup> studio Plugins

1. Open Install New Software
2. Select the e<sup>2</sup> studio Update Site
3. Select the Renesas Plugins you wish to install



Select “Group items by category”. Not doing so can result in e<sup>2</sup> studio branding being installed into your Eclipse environment.

Installing e<sup>2</sup> studio plugins may require the installation of additional plugins from the Eclipse Update Site, for example EMF. To allow this please ensure “Contact all update sites during install” is checked.

It is recommended that you select all categories except CDT Optional Features. However if you wish to install support only for a device family simply select the appropriate Support category.

4. Click Next
5. Check Install Details

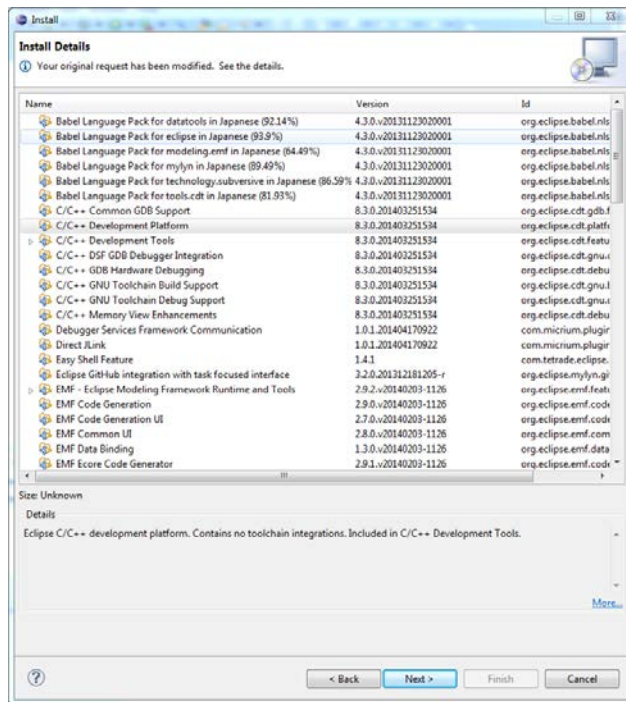
Verify that the following plugins are not included

- “Add-on Function for p2” – org.eclipse.equinox.p2.extras.feature.feature.group
- “e2 studio” – com.renesas.product

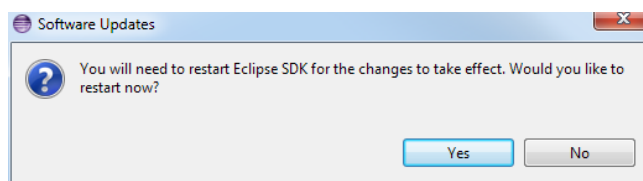
6. Click Next and Accept the License Agreements

- I accept the terms of the license agreements  
 I do not accept the terms of the license agreements

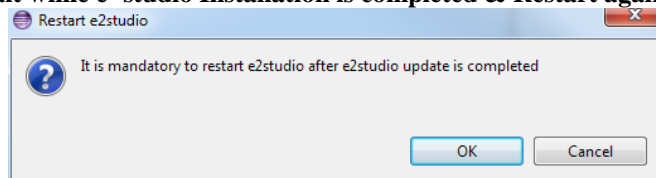
7. Click Finish then wait for installation process to complete



## 8. Restart when prompted



## 9. Wait while e<sup>2</sup> studio Installation is completed & Restart again



You can enable notification of future updates in Preferences -> Install/Update -> Automatic Updates.

#### **4. Updating from previous versions**

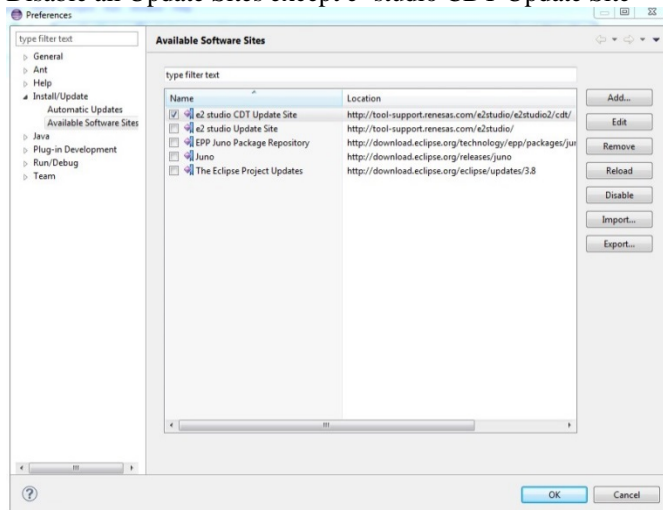
Updating from a previous version of e<sup>2</sup> studio plugins is not supported between major versions (e.g. 2.x -> 3.x).

## 5. Resolving Dependency Problems

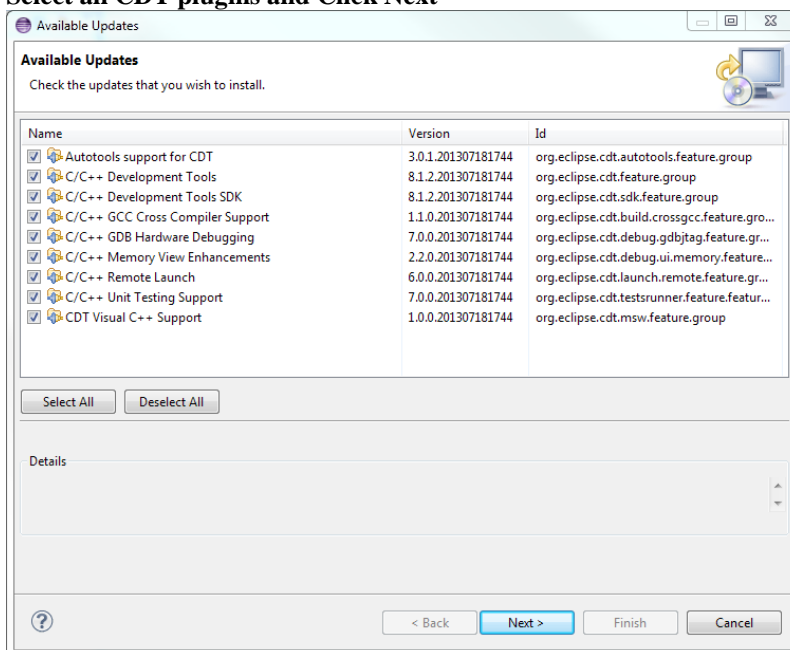
Due to the nature of the Eclipse Platform you may encounter errors when installing e<sup>2</sup> studio plugins due to conflicting dependencies. Workarounds for common dependency problems are listed below.

### 5.1 CDT

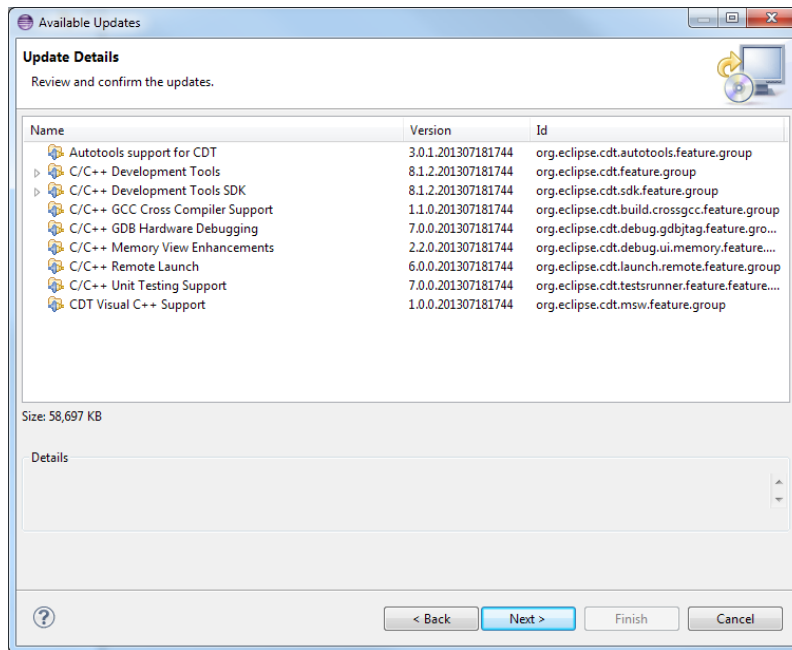
1. Add the e<sup>2</sup> studio CDT Update Sites using the instructions in section 3.1.
2. Go to Window -> Preferences
3. Select Install/Update -> Available Software Sites  
Disable all Update Sites except e<sup>2</sup> studio CDT Update Site



4. Click OK to Apply the changes
5. Go to Help -> Check For Updates
6. Select all CDT plugins and Click Next



7. Review and the Click Next



**8. Accept the License Agreements & Click Finish**

- I accept the terms of the license agreements  
 I do not accept the terms of the license agreements

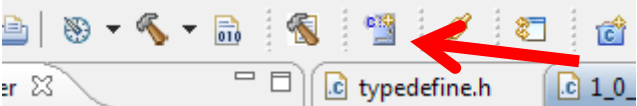
**9. Wait for the Installation Process to Finish then Restart**

**10. Repeat Steps 3 & 4 but enable any updates sites you disabled**



## 6. Known Issues

Below is a list of issues which specifically effect usage after installing into an Eclipse environment. For a full list of known issues in e<sup>2</sup> studio 3.0 please see the main release notes.

ID	Description
3804	Code Generator not fully installed if it is added after installation of other e <sup>2</sup> studio plugins.
	If installing the Code Generation Feature after installing other e <sup>2</sup> studio plugins you may need to manually register the COM service before Code Generation becomes available during Project Generation.
	To do this create a new CCRX, GNURX or GNURL78 project, then select "New Code Generator" from the toolbar.
	
3884	HEW Project Converter does not function in a 64-bit Eclipse Environment
3888	Code Generator does not function in a 64-bit Eclipse Environment
3899	Emulator Selection does not function in a 64-bit Eclipse Environment
-	Issues may be encountered if any part the Eclipse or Project path contains spaces.