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## Notes on Using e2 studio Integrated Development Environment V4.2.0.012

Using the e2 studio V4.2.0.012, take note of the following problem:

1. Notes for Coverage measurement feature
  2. Notes for Performance measurement feature
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### 1. Notes for Coverage measurement feature

#### 1.1 Products Concerned

e2 studio revisions from V4.1.0.018 through V4.2.0.012

#### 1.2 Description

(1) Results of Coverage may not be shown under the following condition with e2 studio:

- RX family (RX64M group and RX71M group) with E20 emulator

(2) A progress dialog of gathering coverage information may appear, which prevents user operations. This issue can occur at either of the following conditions with e2 studio:

- RX family (RX64M group and RX71M group) with E20 emulator
- RL78 family with IECUBE

#### 1.3 Prerequisite conditions

(1) For the description of 1.2(1):

Coverage address ranges had been configured 'after' launched debugger connection and measured coverages.

(2) For the description of 1.2(2):

Configured coverage source files as 'enabled', then launched debugger and measured coverages.

#### 1.4 Workarounds

Issues described in 1.2(1) and 1.2(2) can be prevented with the following procedures for each device target family.

- a. For RX family RX64M and RX71M groups with E20 emulator:
  - (1) Launch debugger and download a program.
  - (2) Configure address ranges for the coverage.
  - (3) Once configure as "disabled" for all coverage measurement target source files.
  - (4) Press [Reset] button in Debug view.
  - (5) Turn the target source files as "enabled".
  - (6) Resume the loaded program.
  
- b. For RL78 family devices with IECUBE:
  - (1) Launch debugger and download a program.
  - (2) Once configure as "disabled" for all coverage measurement target source files.
  - (3) Turn the target source files as "enabled".
  - (4) Resume the loaded program.

## 1.5 Fixing the Problem

This problem will be fixed in the future releases.

## 2. Notes for Performance measurement feature

### 2.1 Product Concerned

e2 studio from V4.1.0.018 through V4.2.0.012

### 2.2 Description

Performance measurement result of execution time can be shown as entire interval, whereas it should be measured between "Start" and "End" timer events if they are specified.

### 2.3 Prerequisite condition

This issue affect to the combination of RX family devices and the emulators of E1/E20 emulator, E2 emulator Lite, and EZ-CUBE.

Note:

EZ-CUBE is a product provided at the sales region of China and India.

### 2.4 Workaround

No workarounds.

### 2.5 Fixing the Problem

This problem will be fixed in the future releases.

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