

[Notes]

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## On-chip Debuggers

### E2 emulator and E2 emulator Lite (RA Connection)

#### Outline

When using on-chip debugger E2 emulator or E2 emulator Lite, note the following point.

- Notes on using E2 emulator or E2 emulator Lite for RA Family.

#### 1. Notes on Using E2 emulator or E2 emulator Lite for RA Family

##### 1.1 Applicable Products

- E2 emulator, E2 emulator Lite

##### 1.2 Applicable Devices

All RA Family.

##### 1.3 Details

If you are using Ubuntu 20.04 LTS as the host OS, starting the debugger using applicable products on e<sup>2</sup> studio integrated development environment will fail. When the problem occurs, It displays on e<sup>2</sup> studio console following message.

```
ERROR : Could not load "ARM/E2_v2.3.2/libRFWARM.so": "/lib/x86_64-linux-gnu/libc.so.6: version `GLIBC_2.33' not found (required by ARM/E2_v2.3.2/libRFWARM.so)"
```

##### 1.4 Conditions

This problem occurs when using applicable products in combination with e<sup>2</sup> studio and FSP v5.6.0 or v5.7.0 running on Ubuntu 20.04 LTS.

Please refer to the table below for the version combinations of Ubuntu OS and FSP version in which the problem occur.

Host OS version	FSP version	Occurring the problem or not
Ubuntu 20.04 LTS Desktop (64-bit version)	v5.7.0	The problem occurs.
	v5.6.0	The problem occurs.
	v5.5.0 and before versions	Not occurs the problem.
Ubuntu 22.04 LTS Desktop (64-bit version)	-	Not occurs the problem.
Ubuntu 24.04 LTS Desktop (64-bit version)	-	Not occurs the problem.

### 1.5 Workaround

When debugging on Ubuntu OS, please use an OS version in which the problem do not occur.

### 1.6 Schedule for Fixing the Problem

This problem will be fixed in the next version of Flexible Software Package (FSP).

**Revision History**

Rev.	Date	Description	
		Page	Summary
1.00	Dec.20.24	-	First edition issued

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