RENESAS Tool News

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Note on Using e2 studio Integrated Development Environment V4.0

Using the e2 studio V4.0, take note of the following problem:

- Notes for configuring KPIT GNU Toolchain projects on e2 studio V4.0

1. Product Concerned
   e2 studio V4.0.0.26 and V4.0.1.007

2. Concerned Devices
   (a) RX family RX23T group
   (b) RL78 family RL78/G1D group

3. Concerned Toolchain
   (a) KPIT GNURX-ELF Toolchain (Note)
   (b) KPIT GNURL78-ELF Toolchain (Note)
     Note: Product of KPIT Technologies Ltd.

4. Summary
   e2 studio projects for "2. Concerned Devices" using
   "3. Concerned Toolchain" may not apply compile options to indicate device
   architecture.

5. Phenomenon and workaround
   (a) Case of Configuring project for RX family RX23T group with
       KPIT GNURX-ELF Toolchain

     - Phenomenon
       Compiler option "-mcpu=rx64m" may not be applied in a project
       configured for RX23T group with KPIT GNURX-ELF Toolchain.
       The option indicates device architecture generation.

- Workaround
Please fix the compiler options of the project through the following
procedure:
(1) Open "C/C++ build" -> "Settings" of "Project Property"
   configuration dialog.
(2) In "Compiler" -> "CPU", change "CPU type" as "RX600".
(3) Uncheck "Disable generation of RX hardware FPU instructions"
   and enable "Generate code for RXv2 target".
(4) Rebuild the project. Please be sure if "-mcpu=rx64m" option is
   seen in build console output.

(b) Case of Configuring project for RL78 family RL78/G1D group with
   KPIT GNURX-ELF Toolchain

- Phenomenon
Compiler option "-mcpu=g13" nor "-mg13" may not be applied in a
project configured for RL78/G1D group with KPIT GNURL78-ELF
Toolchain. The option indicates device architecture generation.

- Workaround
Please fix the compiler options of the project through the following
procedure:
(1) Open "C/C++ build" -> "Settings" of "Project Property"
   configuration dialog.
(2) In "Compiler" -> "Other", add an "User defined options"
   as "-mcpu=g13" (or -mg13)
(3) Rebuild the project.

Note: Access the following KPIT website for technical inquiries on
   GNU tools downloaded from the site.
    http://www.kpitgnutools.com/

6. Fixing the Problem
This problem has been fixed in e2 studio V4.0.2.008,
which will be available from August 7 as announced in RENESAS TOOL NEWS
Doc No.150807/tn2.
https://www.renesas.com/search/keyword-
search.html#genre=document&q=150807tn2