RENESAS Tool News

RENESAS TOOL NEWS on November 06, 2015: 151106/tn1

Note on Using the C/C++ Compiler Package for RX Family (IDE: CS+) and the C/C++ Compiler Package for RX Family (without IDE)

When using the C/C++ Compiler Package for RX Family (for the CS+ IDE) and the C/C++ Compiler Package for RX Family (without an IDE), take note of the problems regarding the following point described in this note.

- "-stack_protector" and "-stack_protector_all" options (RXC#037)

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1. Product and Versions Concerned
   - C/C++ Compiler Package for RX Family (IDE: CS+) V2
     CC-RX compiler V2.04.00*
   - C/C++ Compiler Package for RX Family (without IDE) V2
     CC-RX compiler V2.04.00*

   *: The license must be re-registered in cases of updating from V2.03 or
      an earlier version to V2.04. The error message in 2 (1) in this Tool
      News will be output if V2.04 is used without re-registration as the
      professional edition.
       Refer to the following FAQ regarding re-registration of the license.
        FAQ 1011732

2. Description and condition
   The build errors described in (1) and (2) below may occur regarding the
   "-stack_protector" or "-stack_protector_all" options.

   (1) Error number E0511178
       The below error may occur when a condition listed below is met, even
       if the -stack_protector option* or -stack_protector_all option* is not

designated.

E0511178: "-stack_protector/-stack_protector_all" option has no effect
in this license.

*: The -stack_protector and -stack_protector_all options are only
available for the professional edition.

This problem arises if either of conditions (a) or (b) below is met.
(a) The registered license is for the Standard edition.
(b) 61 days or more have passed since the first build after
installing an evaluation edition of CC-RX V2.04.00.

(2) Error number E0562310
If the conditions described below are met, code for detection of stack
smashing is generated at entrances to and exits from functions when
building, despite neither the -stack_protector option nor the
-stack_protector_all option having been designated. The following
build error may occur in this situation, since a __stack_chk_fail
function is not defined unless these options are specified.

E0562310: Undefined external symbol "___stack_chk_fail" referenced in
"..."

This problem arises if both conditions (a) and (b) are met.
(a) Either of the following conditions (a-1) and (a-2) is met.
(a-1) The registered license is for the Professional edition.
(a-2) Less than 60 days have passed since the first build after
installing an evaluation edition of CC-RX V2.04.00.
(b) Neither the -stack_protector option nor the -stack_protector_all
option is specified.

3. Workaround
There is no way to prevent these problems.
Accordingly, from this November, we no longer intend to sell V2.04.00 or
to provide the file for downloading. We will be informing you of the next
version as soon as possible.
In the meantime, V2.03.00 will continue to be available.
We apologize for any inconvenience this causes.
If you have any inquiries, contact us at:
https://www.renesas.com/contact/

4. Schedule for Fixing the Problem

This problem will be fixed in the next version (V2.04.01).