RENESAS Tool News

High-performance Embedded Workshop Revised to V.4.09.00

We have revised High-performance Embedded Workshop from V.4.08.00 to V.4.09.00.
High-performance Embedded Workshop is bundled with the compilers, emulator debuggers, and other software products that it manages.
For details of High-performance Embedded Workshop, see the product page on the Web site at:
   http://www.renesas.com/hew
The above URL is one of our global sites.

1. Product and Versions to Be Updated

High-performance Embedded Workshop V.3.00.00 through V.4.08.00

To check to see the version number of your High-performance Embedded Workshop, open the Help menu and select the About High-performance Embedded Workshop command.

2. Descriptions of Revision

2.1 Functions Introduced and Improved

(1) The parallel build function introduced
   When the revised product is used with either of the following
   C/C++ compiler packages, the parallel build function enables you
   to compile two or more source files at a time during build:
   - C/C++ compiler package for the RX family V.1.01 Release 00
     or later
     (V.1.01 Release 00 will be published on April 1.)
   - C/C++ compiler package for the M16C series and the R8C family
     V.6.00 Release 00 or later
     (V.6.00 Release 00 will be published on April 1.)

   Source files are compiled in parallel by the number of logical
   cores of the CPU on the host PC, so the time necessary to
   compilation can be reduced.

(2) The Watch window improved
   When the revised product is used with any of the following,
   you can assign a value to a variable in the Watch window even
   after you have selected the "Download debug information only"
   check box in the Download Module dialog box:
    - E8a Emulator Software
    - E8 Emulator Software
    - E10A-USB Emulator Software
    - E10T-USB Emulator Software
    - E100 Emulator Software
    - E200F Emulator Software
    - E6000H Emulator Software
    - E6000 Emulator Software
    - Simulator debugger for the RX family
    - Simulator debugger for the SuperH family
    - Simulator debugger for the H8SX, H8S, and H8 families

(3) The IO window improved
   The I/O registers selected from the All Registers tab can be
   entered into the Selected Registers tab.

(4) The Scan All Dependencies function improved
   This improvement is valid if the function for supporting pre-
   processor statements is made ineffective (OFF) when the Update
   All Dependencies is executed. See NOTE below.

   The previous specification of Scan All Dependencies is as follows:
    When header files are hierarchically searched for, they are made
    through the 31 levels of directories; then the searching is
    repeated from the first level.
    However, if two or more header files are included in the 30th
    level, the searching is discontinued at this level. So the
    number of header files to search for becomes less than actual
    one.

   The above specification has been improved as follows:
    If the header files already searched for are included in a
    lower-level directory, they are not re-searched for so that
    the number of header files to search for can increase.

   NOTE:
    To make the function for supporting preprocessor statements
    Ineffective when the Update All Dependencies is executed,
    follow these steps:
    (1) On the Build menu, select the Renesas **** Standard Toolchain

command.

    (2) In the *** Standard Toolchain dialog box, click the Toolchain Option tab.

    (3) Clear the Support dependency scan of preprocessor statement check box. (This check box is unchecked by default.)

  (5) Supported real-time OSes by the real-time OS aware debugging function increased

    The following real-time OSes have been added to the support line:

     - CMX-RTX (for the RX family; published by CMX)

     - NORTi (for the RX family; published by Mispo)

2.2 Problem Fixed

  The following known problem has been fixed:

  - With using the COVERAGE_LOAD command, which loads code-coverage information into emulator systems.

  For details of this problem, see RENESAS TOOL NEWS Document No. 110301/tn1 at:

    http://tool-support.renesas.com/eng/toolnews/110301/tn1.htm

3. How to Update Your Product

  Online update is available free of charge. Update yours in either of the following methods:

  (1) Use AutoUpdate Utility. This service will be available on and after March 23.

  (2) Download the update program of the revised product from:

    http://www.renesas.com/hew_download

    Then execute it. The update program will be opened on March 18.

               NOTES

  Two types of update program are available. Use either of them as necessary. They are as follows:

  (a) Full update program

    The components of High-performance Embedded Workshop to which changes have been made in and after V.3.00.00 are updated; that is, V.3.00.00 and later can be updated.

  (b) Differential update program

    The components of High-performance Embedded Workshop to which changes have been made in and after V.4.08.00 are updated; that is, V.4.08.00 can be updated.

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