RENESAS Tool News

High-performance Embedded Workshop Revised to V.4.06.00

We have revised High-performance Embedded Workshop from V.4.05.01 to V.4.06.00.
High-performance Embedded Workshop is bundled with the compilers and other software products that it manages.
For information on High-performance Embedded Workshop, see its product page at:
  http://www.renesas.com/hew

1. Product and Versions to Be Updated
   High-performance Embedded Workshop V.3.00.00--V.4.05.01

   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 Improved
   The following six items of functions have been improved:

   (1) Displaying codes in the Memory window
   Complex, imaginary, and UTF-8-formated numbers have been added to the codes that can be selected to display.

   (2) Debugging load module files in the ELF/DWARF2 format
   The following have been added to the functions for debugging load module files in the ELF/DWARF2 format:
   (a) Displaying and modifying the values of variables of the complex and imaginary types
       The values of variables of the complex and imaginary types defined by the C99 language specifications are displayed when any of the following windows and functions are used:
        - Stack Trace window

- Watch window
- Locals window
- Tool-Tip Watch function
- Instant Watch function

Note that the modification of the values of variables can be made in the Watch and Locals windows only.

(b) Displaying the values of variables by using character codes in the UTF-8 format

The values of variables of characters and character strings are displayed in the UTF-8 format when any of the following windows and functions are used:

- Stack Trace window
- Watch window
- Locals window
- Tool-Tip Watch function
- Instant Watch function

(c) Setting more than one breakpoint in one source line

If two or more instances are generated for a template function, software breakpoints can be set for all the instances.
To do so, keyword "all" has been added to the operation parameters of the "set_source_soft_break" command.

(3) Typing the values of hexadecimal floating constants

Hexadecimal floating constants are used to type floating-point numbers in the following windows:

- Watch window
- Locals window

(4) Saving code-coverage information on a file

To save the results of code coverage on a file, they are sorted in order of addresses when any of the following software products is used:

- E100 Emulator Software
- E200F Emulator Software
- E6000H Emulator Software for the AE-5 series
- E6000 Emulator Software for the AE-4 series

(5) Displaying selected lines in the Profile window

The lines selected in the List sheet on the Profile window before the program is executed are displayed in the window after the program is exited when any of the following software products is used:

- Simulator debugger for the SuperH family

- Simulator debugger for the H8SX, H8S, and H8 families
　　　　　- E200F Emulator Software
　　　　　- E6000H Emulator Software
　　　　　- E10A-USB Emulator Software for the SuperH family

(6) Debugging real-time OSes
　　(a) Supported real-time OSes increased
　　　　The TOPPERS/ASP kernel has been added to the support line.
　　(b) Task names supported
　　　　Task names are displayed in the windows of the debuggers
　　　　concerned when Micrium uC/OS-II used.
　　(c) Opening the Select OS Definition File dialog box automatically
　　　　The Select OS Definition File dialog box is opened automatically
　　　　when load modules containing real-time OSes are loaded on
　　　　any of the following software products:
　　　　　- Simulator debugger for the SuperH family V.9.08.00 or later
　　　　　- Simulator debugger for the H8SX, H8S, and H8 families
　　　　　　V.5.07.00 or later
　　　　　- E100 Emulator Software V.1.00 Release 00 or later
　　　　　- E8a Emulator Software V.1.02 Release 00 or later
　　　　　- E10A-USB Emulator Software V.3.00 Release 00 or later
　　　　This improvement has been also fixed the problem in RENESAS TOOL NEWS
　　　　Document No. 090201/tn2.
　　　　For details of the problem, see at:
　　　　 http://tool-support.renesas.com/eng/toolnews/090201/tn2.htm

3. How to Update Your Products
　Online update is available free of charge. Update yours in either of
　the following ways:
　(1) Use AutoUpdate Utility. This service is available on and after
　　　July 7.
　(2) Download the update program of the product from:
　　　 http://www.renesas.com/hew_download
　　　Then execute it. This site will be opened from July 6 on.
　　　The above URL is one of our global site (in English).

　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.4.05.01 are updated; that is, V.4.05.01 and later can be updated.

4. A Note on Using Install Manager to Uninstall High-performance Embedded Workshop

4.1 Problem

If you use Install Manager to uninstall High-performance Embedded Workshop, clicking the Uninstall button may not start uninstalling.

4.2 Conditions

This problem arises if the following conditions are both satisfied:
(1) The version of Install Manager is V.1.00.00 or V.1.02.00.
(2) The version of High-performance Embedded Workshop is V.4.05.00 or later.

To check to see the version number of your Install Manager, click the About Install Manager button in the Maintenance window of Install Manager.
If the About Install Manager button is not found, it indicates the version number is V.1.00.00.

4.3 Workaround

Uninstall High-performance Embedded Workshop by performing the following procedure:
(1) Out of the upper list in the Maintenance window of Install Manager, select the High-performance Embedded Workshop to uninstall; then click the Switch Active Environment button.
(2) Start Add/Remove Programs from Control Panel of Windows(R); then follow the instructions to uninstall High-performance Embedded Workshop.

4.4 Schedule of Fixing the Problem

This problem has already been fixed in Install Manager V.1.03.00. This version of Install Manager is included in each of the compiler packages and the emulator debuggers that include High-performance Embedded Workshop V.4.05.01 or later.

included. The URLs in the Tool News also may be subject to change or become invalid without prior notice.