RENESAS Tool News

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The High-performance Embedded Workshop (IDE) Revised to V.4.02.00

We have revised the High-performance Embedded Workshop (IDE) from V.4.01.01 to V.4.02.00.

1. **Versions to Be Updated**

The High-performance Embedded Workshop V.2.2 through V.4.01.01

The High-performance Embedded Workshop is bundled with the software products such as compilers that it manages.
To check for 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 and Introduced**

(1) **Debugging source code in the Disassembly window**

The Source mode has been introduced in the Disassembly window. Selecting this mode automatically switches a source file to be displayed in the window to another according to a change of values of the program counter such as in single-step execution. So you are able to debug source code using a single window only.

(2) **Displaying information automatically on source files in tree views**

When a load module is downloaded, the High-performance Embedded Workshop obtains information on source files contained in the download module through debug information and displays it under the download module in the Projects tab in the Workspace Window. By using this function, you need not add source files manually when downloading download modules built by another IDE. Note that this function is used only for debugging debug-only projects.

(3) **Displaying the folders for downloaded modules**

The folder for downloaded modules is always displayed under

the project provided in the Projects tab in the Workspace window. Right-clicking the selected folder and selecting the Download A New Module command allow you to add downloaded modules easily to the project. This function is used only for debugging debug-only projects.

(4) **Removing downloaded modules**

Pressing the Delete key after you select a downloaded module in the Projects tab in the Workspace window, or right-clicking the selected module and selecting the Delete command remove the downloaded module.

(5) **Execution timing of the command batch file**

"After reset" has been added to the Command batch file load timing dropdown list box as an item. This list box is found in the Options tab in the Debug Settings dialog box*. Selecting "After reset" executes the command batch file after the CPU has been reset.

* To open this dialog box, open the Debug menu and select the Debug Settings command.

(6) **Reset CPU after download module**

The default statuses of the Reset CPU after download module check box can be switched among the three according to debuggers. This check box is found in the Options tab in the Debug Settings dialog box.

(7) **Step execution in the source level**

The Source level step check box in the Step Program dialog box* is selected by default.

* To open this dialog box, open the Debug menu and select the Step command.

(8) **Displaying navigation items**

The Group By File mode has been introduced in the Navigation tab in the Workspace window. Navigation items such as function names, class names, and variable names are provided file by file.

(9) **Making copies of navigation items to the Editor window**

Every navigation item displayed in the Navigation tab in the Workspace window can be dragged and dropped into the Editor window. This allows you to type long function and variable names into a source file without misspellings.

(10) **Selecting Version Control System**

Selecting your system in the Version Control System dropdown list box and clicking the OK button in the Select Version Control System dialog box* make your selection complete.

* To open this dialog box, open the Tools menu and select the

Version Control and Select command.

2.2 Problems Fixed

The following three known problems have been fixed:

(1) **On adding ten or more tabs to the C Watch window**

For details see RENESAS TOOL NEWS Document No. 060716/tn1, "A Note on Using the High-performance Embedded Workshop,".

(2) **On executing commands in the Command Line window**

For details see RENESAS TOOL NEWS Document No. 060901/tn1, "A Note on Using the High-performance Embedded Workshop (IDE),".

(3) **With moving workspaces from a directory to another**

For details see RENESAS TOOL NEWS Document No. 061001/tn1.

In addition, the following six problems have been resolved:

(4) **With setting the initial directory in a custom build phase**

If the initial directory in a custom build phase is placed in the root directory, no build can be completed successfully, causing the following error to arise:

Phase Launch Error - Cannot find initial directory 'C:'

(5) **Combination with version control systems**

When you create a workspace in which a custom version control system is selected using the High-performance Embedded Workshop V.4.00.03 or earlier and then open the workspace by the High-performance Embedded Workshop V.4.01.00 or V.4.01.01, the Tools menu, the Version Control command, and the Version Control toolbar cannot function, so the High-performance Embedded Workshop can't cooperate with any version control system.

(6) **Debugging source files on a network**

When a source file to be debugged is on a network, debugging this file opens the Open dialog box more than once.

(7) **Coverage measurements of static functions**

When downloaded modules generated in the Elf/Dwarf2 format are debugged, the coverage measurements of the static functions contained in the source file within the coverage area cannot be made.

(8) **Displaying modules downloaded using the HewTargetServer**

When the download module once downloaded is re-downloaded using the Download() method of the HewTargetServer in the High-performance Embedded Workshop V.4.01.00 or V.4.01.01, the module name is duplicated in the Projects tab in the Workspace window and the Download modules list in the Debug Settings dialog box each.

(9) **Debugging using the real-time OS debugger "Debugging Extension"**

When the real-time OS debugger "Debugging Extension" is used in the High-performance Embedded Workshop V.4.01.01, opening the

Status window* results in an application error.
* To open this window, open the View menu and select the CPU and Status command.

3. How to Update Your Product

Free-of-charge online update is available. Please update yours either of the following ways:
(1) Use your AutoUpdate utility on and after December 20.
(2) Download the update program from the download site and execute it.

4. Notice

No components except the High-performance Embedded Workshop (for example, C compilers, emulator debuggers, etc.) are affected by this update.
