RENESAS Tool News

Integrated Development Environment CubeSuite+ Revised to V2.00.00

We have revised the integrated development environment CubeSuite+ from V1.03.00 to V2.00.00.

Note:
CubeSuite+ is not generally promoted to U.S. and European customers. Customers in the U.S. and Europe who are interested in CubeSuite+ are requested to contact our regional marketing departments for details.

1. Products to Be Updated
   CubeSuite+'s Common Program Group V1.00.00 through V1.03.00

   To check to see the version number of the common program group of CubeSuite+, follow these steps:
   (1) Start CubeSuite+.
   (2) On the Help menu, select the About command.
   (3) In the Version information dialog box, see the version number of CubeSuite+.
      Here the expression displayed is not CubeSuite+'s Common Program Group, but it shows the version number of this software.

2. Descriptions of Revision
2.1 CubeSuite+'s Common Program Group (with the building, debugging, and analysis capabilities, and others)
   This software has been updated from V1.03.00 to V2.00.00.
   The main items of update in V2.00.00 are as follows:
   (1) Improvement of CubeSuite+ functionality
      - Modifications of required Microsoft tool versions:
         Microsoft .NET Framework 4 + language pack
         Runtime library of Microsoft Visual C++ 2010 SP1
      - Addition of correspondence to Windows 8
      - Addition of correspondence to CC-RX compiler V2.00.00 for RX

family
- Change of default setting for plug-in loading
- Addition of a function for changing file extension
- Enhanced functionality of Project Tree panel
- Addition of the ability to load e2studio projects
  (e2studio V.2 or later)
  Note: e2studio is the Renesas Electronics integrated
        development environment supported to the Europe
        and America region only.
  (2) Improvements to the editor
- Addition of bookmark function
- Clarifying breakpoint specifiable lines
- Enhanced source mixed display functions
  (3) Improvements to the build tool
- Enhanced functionality of Path Edit dialog box
- Addition of a function for generating a link directive file
  (CA78K0 and CA78K0R)
- Change of the name of a Property item in CA78K0R build tool
  (4) Improvements to the debugging tool
- Addition of the external Flash download function (RX)
- Addition of a property (RX)
- Improvement of the function which executes a specified routine
  (RX)
- Improvement of the download performance (RX)
  (5) Improvement of the program analysis tool
- Addition of functions to Variable Value Changing Chart tab
- Addition of functions for controlling files to analyze
- Addition of a function for reducing memory size used in the host
  machine
  (6) Improvement of Python console
- Addition of Python functions
  (7) Improvement of Stack Usage Tracer
- Improvement of Stack Usage Tracer for RL78, 78K0R
- Improvement of Stack Usage Tracer for V850E2
  (8) Improvement of Emulator utilities
- Improvement of N-Wire Checker (V850)
  For details see the Web page at:
    https://www.renesas.com/cubesuite+/CubeSuitePlus.html
  This page will be updated on April 16, 2013.

2.2 Code Generators
  (1) CubeSuite+ RL78, 78K0R, and 78K0 code generator
    (CubeSuite+ Code_Generator for RL78_78K)
    This generator has been updated from V1.00.06 to V2.00.00.
    In the updated generator, the following problem, which was reported

in RENESAS TOOL NEWS Document No. 130201/tn1, has been fixed:
  - With using the code generator for the RL78/G14 group of MCUs
  For details see the Web page at:
  https://www.renesas.com/search/keyword-search.html#genre=document&q=130201tn1_e
  For the other descriptions of update, go to:

https://www.renesas.com/cubesuite+/
CubeSuitePlus_Code_Generator_for_RL78_78K.html
  This page will be updated on April 16, 2013.

  (2) CubeSuite+ V850 code generator
  This generator has been updated from V1.00.02 to V2.00.00.
  For details go to:
https://www.renesas.com/cubesuite+/CubeSuitePlus_Code_Generator_for_V850.html

  This page will be updated on April 16, 2013.

2.3 Build Tools
  (1) CC-RX
  This compiler has been updated from V1.02.01 to V2.00.00.
  The main items of update in V2.00.00 are as follows:
    - New optimization engine for enhance optimization
      (C/C++ Compiler)
    - Stronger optimization over greater ranges during the process of
      compilation (C/C++ Compiler)
    - Support for big5 (traditional characters) and gb2312
      (simplified characters) Chinese character sets (C/C++ Compiler)
    - Changes to assembly source code output (C/C++ Compiler)
    - Types of global variables in the debugging environment
      (C/C++ Compiler)
    - Corrections to faults
    - Destination of output messages (all commands)
  For details go to:
    https://www.renesas.com/cubesuite+/CubeSuitePlus_CC-RX.html
  This page will be updated on April 16, 2013.

  Note: The update to V2.00.00 from the build Tool CC-RX V1.02.01 or
        earlier is fare-paying.

2.4 Device Information
  (1) CubeSuite+ Device Information for RL78 Family and 78K
      (CubeSuite+ DevInfo_RL78_78K)
  This information has been updated from V1.00.11 to V1.00.12.
  The main items of update in V1.00.12 are as follows:
  (a) Device support

The following MCUs have been added to the support line:
- RL78/G10 groups of MCUs (RL78 family)
(b) Modifications of SFR Information
The SFR information of the following MCUs has been modified:
- RL78/F13 groups of MCUs (RL78 family)
- RL78/F14 groups of MCUs (RL78 family)
For details go to:

https://www.renesas.com/cubesuite+/CubeSuitePlus_DevInfo_RL78_78K.html
This page will be updated on April 16, 2013.

(2) CubeSuite+ Device Information for V850 (CubeSuite+ DevInfo_V850)
This information has been updated from V1.00.09 to V1.00.10.
In V1.00.10, the following updates have been made:
(a) Modification of device information
The device information relevant to the following MCUs has been modified:
- V850E2/FK4, V850E2/FG4, V850E2/FJ4, and V850E2/FL4
- V850E2/FK4-G
- V850E2/FK4-H, and V850E2/FL4-H
- V850E2/FF4-M
For details go to:
https://www.renesas.com/cubesuite+/CubeSuitePlus_DevInfo_V850.html
This page will be updated on April 16, 2013.

(3) CubeSuite+ Device Information for RX Family (CubeSuite+ DevInfo_RX)
This information has been updated from V1.00.04 to V1.00.05.
The main items of update in V1.00.05 are as follows:
(a) Device support
The following MCUs have been added to the support line:
- RX111 group
- RX210 group
- RX220 group
- RX631 group
- RX63N group
- RX63T group
(b) Modification of device information
The device information relevant to the following MCUs has been modified:
- RX210 group
- RX63T group
For details go to:
https://www.renesas.com/cubesuite+/CubeSuitePlus_DevInfo_RX.html
This page will be updated on April 16, 2013.

2.5 CubeSuite+ Emulator Utility

This utility has been updated from V1.00.04 to V1.00.05.
The main items of update in V1.00.05 are as follows:
  - Changed the name of N-Wire Checker to V850 JTAG OCD Checker
  - Addition of correspondence to V850E2M core and V850E2S core to
    the V850 JTAG OCD Checker
  - Addition of correspondence to E1/E20 Emulator to the V850 JTAG OCD
    Checker
For details go to:
  https://www.renesas.com/cubesuite+/CubeSuitePlus_Emulator_Utilities.html
This page will be updated on April 16, 2013.

2.6 Update Manager

This update manager has been updated from V2.00.01 to V2.01.00.
For details see the Web page at:
  https://www.renesas.com/cubesuite+/CubeSuitePlus_Update_Manager.html
This page will be updated on April 16, 2013.

2.7 Integrated Help

This help has been updated from V1.03.01 to V2.00.00.
For details go to:
  https://www.renesas.com/cubesuite+/CubeSuitePlus_Integrated_Help.html
This page will be updated on April 16, 2013.

2.8 Operating Environments

The revised product has become compatible with the following OSes:
  - 32-bit and 64-bit editions of Windows 8
From the CubeSuite+ V2.00.00, the following versions of Microsoft tools
will be necessary:
  - Microsoft .NET Framework 4 + language pack
  - Runtime library of Microsoft Visual C++ 2010 SP1

3. Updating Your Product

To update either your commercial edition or evaluation edition of
CubeSuite+, please download and install the evaluation edition of
CubeSuite+ from the following URL:

https://www.renesas.com/cs+_download
The installer will be published on this Web site on April 16, 2013.

Notes:
  1. The update to V2.00.00 from build Tool CC-RX V1.02.01 or earlier
     will be fare-paying.
     Therefore, it is necessary to be newly purchased when updating.
  2. Support of the CubeSuite+ Update Manager V1.21.00 or earlier has

terminated.
Support of the CubeSuite Update Manager has also terminated.
When updating, please download and install the evaluation
edition of CubeSuite+ from the following URL:
 https://www.renesas.com/cs+_download

4. Downloading Evaluation Edition
Before purchasing any of the commercial editions of CubeSuite+, you can
evaluate its performance and functionality by using the evaluation
edition of CubeSuite+. To do so, download the evaluation edition from
the Web site at:

https://www.renesas.com/cs+_download
The installer will be published on this Web site on April 16, 2013.

If you type any of the licenses of CubeSuite+ or any of those that have
been additionally obtained when installing the evaluation edition, you
can use it as a commercial edition.

5. Ordering
When ordering, please contact your local Renesas Electronics marketing
offices or distributor.

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