RENESAS Tool News

Integrated Development Environment CS+ (formerly CubeSuite+) Revised to V3.00.00

Notification: The product name of CubeSuite+, an integrated development environment from Renesas, has been changed to "CS+."

We have revised the integrated development environment CS+ (formerly CubeSuite+) from V2.02.01 to V3.00.00.

NOTE:
CS+ is not generally promoted in the U.S. and Europe. For customers in the U.S. and Europe who are interested in CS+, please contact our regional marketing departments for details.

1. Products to be Updated
   CS+ (formerly CubeSuite+) Common Program V1.00.00 through V1.03.00, and V2.00.00 through V2.02.01.
   To check to see the version number, refer to the following URL:
   https://www.renesas.com/cs+_ver

2. Descriptions of Revision
2.1 CS+ Common Programs (formerly CubeSuite+ Common Program)
   (with building, debugging, analysis, and other capabilities)

   The CubeSuite+ common program has been updated from V2.02.01 to V3.00.00 and divided into two programs below:
   - The CS+ for CC common program (for RX and RH850)
   - CS+ for CA, CX common program (for 78K, RL78, and V850).
   These programs can be invoked individually selecting these from the Start menu in Windows.

   2.1.1 Build Tools
      The build tools and their versions which are included in the each common program are as follows:
      (1) CS+ for CC (for RX and RH850)

- Build tool for RX CC-RX V2.02.00
- Build tool for RH850 CC-RH V1.01.00

(2) CS+ for CA, CX (for 78K, RL78, and V850)
- Build tool for 78K0 CA78K0 V1.30
- Build tool for RL78 and 78K0R CA78K0R V1.70
- Build tool for V850 CA850 V3.50 (for V850E1 core and V850ES core)
- Build tool for V850 CX V1.31 (for V850E2M core)

2.1.2 Updating of Building, Debugging, Analysis, and Other Capabilities
(1) Improvement of basic functions
- Addition of a new facility to the split panels area
- Addition of the memory mapping profiler function (only in the CS+ for CC)
- Improvement of the option dialog box
- Improvement of the external tool startup function
- Change of the configuration of user's manuals and online help (only in the CS+ for CC)

(2) Improvement of functionality of build tools (only in the CS+ for CC)
- Addition of the parallel build function

(3) Improvement of the debugging tools
- Change of the display font on the debug console panel (When the E1 or E20 emulator is used with the RX family)
- Improvement of performance of step execution (When the E1 or E20 emulator is used with the RX family)
- Improvement of the function "debugging programs for rewriting on-chip flash area" (When the E1 or E20 emulator is used with the RX family)
- Support of the trusted memory function of RX64M group (When the E1 or E20 emulator is used with the RX64M group)
  Note: The initialization of the option-setting memory for the trusted memory function is not described in the start-up file which is generated by this product. When you use RX64M group, please add the initialization of the following registers to the start-up file regardless of whether or not you use the trusted memory function.
    - TM enable flag register (TMEF)
    - TM identification data register (TMINF)

For the details of the description, see RENESAS TOOL NEWS

document No. 141001/tn5 at:
   https://www.renesas.com/search/keyword-
   search.html#genre=document&q=141001tn5
      This page will be available on and after October 6, 2014.
- Improvement of the action event
  (When the E1 or E20 emulator is used with the RX family, or
   the E1 emulator used with the RH850 family)
- Improvement of the download function
  (When the E1 or E20 emulator is used with the RX family, or
   the E1 emulator used with the RH850 family)
- Improvement of the function of erasing flash ROM
  (When the E1 emulator is used with the RL78 family)

(4) Fixing Problems with the debug tools
   The following problems announced on RENESAS TOOL NEWS have been
   fixed:
   - Problem with debugging the RX220 group
   For details of the problem, see RENESAS TOOL NEWS Document
   No.140516/tn1.
   https://www.renesas.com/search/keyword-
   search.html#genre=document&q=140516tn1_e
   - Problem with timer measurement events for the RX64M group
   For details of the problem, see RENESAS TOOL NEWS Document
   No.140416/tn3.
   https://www.renesas.com/search/keyword-
   search.html#genre=document&q=140416tn3
   - Problem with rewriting the data flash memory
     (RL78family, 78K0R, and 78K0 are concerned)
   For details of the problem, see RENESAS TOOL NEWS Document
   No.140316/tn1.
   https://www.renesas.com/search/keyword-
   search.html#genre=document&q=140316tn1
(5) Improvement of functionality of Python Console
   - Addition of Python functions
   - Addition of Python classes
   - Addition of Python properties

2.2 Code Generators
  (1) CS+ RL78code generator and CS+ 78K code generator (formerly
     CubeSuite+ RL78, 78K0R, and 78K0 code generator)
     The CubeSuite+ RL78, 78K0R, 78K0 code generator has been updated
     from V2.04.00 to V2.05.00 and divided into two generators below:
     - CS+ RL78 code generator (for RL78)
     - CS+ 78K code generator (for 78K0R and 78K0)
     This updating is only a change of version number associated with

the updating to the CS+, there is no change in the function.

(2) CS+ V850 code generator (formerly CubeSuite+ V850 code generator)
This generator has been updated from V2.00.01 to V2.01.00.
This updating is only a change of version number associated with
the updating to the CS+, there is no change in the function.

(3) CS+ RX code generator (formerly CubeSuite+ RX code generator)
This generator has been updated from V1.02.00 to V1.03.00.
This updating is only a change of version number associated with
the updating to the CS+, there is no change in the function.

2.3 Device Information
(1) CS+ Device Information for RL78 Family and CS+ Device Information
for 78K
(formerly CubeSuite+ Device Information for RL78 Family and 78K)
The CubeSuite+ Device Information for RL78 Family and 78K has been
updated from V1.00.18 to V3.00.00 and divided into two programs below:
- CS+ Device Information for RL78 (for RL78)
- CS+ Device Information for 78K (for 78K0R and 78K0)
The main items updated in CS+ Device Information for RL78 Family
V3.00.0 are as follows:
(a) Device Support
The following MCUs have been added to the support line:
- RL78/GIG group of MCUs (RL78 family)
(b) SFR information modified
The SFR information in the following MCU groups has been
modified:
- RL78/F14 group of MCUs (RL78 family)
- RL78/F13 group of MCUs (RL78 family)
For details, go to:
https://www.renesas.com/cubesuite+/CSP_DevInfo_RL78.html
This page will be updated on October 1, 2014.

In CS+ Device Information for 78K, the updating is only a change of
version number associated with the updating to the CS+, there is no
change in the function.

(2) CS+ Device Information for V850 (formerly CubeSuite+ Device
Information for V850)
This program has been updated from V1.00.1 to V3.00.00.
The main items of updating in V3.00.00 are as follows:
(a) Device Support
Some MCUs in the following MCU group have been added to
the support line.

- V850E2/PG4-S
  (b) SFR information modified
    The SFR information in the following MCU groups has been
    modified:
      - V850E2/FF4-G
      - V850E2/FG4-G
  (c) Deletion
    Some MCUs in the following groups have been deleted.
      - V850E2/SG4-H
      - V850E2/SJ4-H
   For details, go to:
   https://www.renesas.com/cubesuite+/CubeSuitePlus_DevInfo_V850.html
   This page will be updated on October 1, 2014.

(3) CS+ Device Information for RX Family (formerly CubeSuite+ Device
    Information for RX Family)
    This program has been updated from V1.02.00 to V1.04.00.
    The main items of updating in V1.04.00 are as follows:
    (a) Device Support
      Some MCUs in the following MCU group have been added to
      the support line.
        - RX111 group
    (b) Modification of device information
      The device information relevant to the following MCUs has been
      modified:
        - RX21A group
    For details, go to:
    https://www.renesas.com/cubesuite+/CubeSuitePlus_DevInfo_RX.html
    This page will be updated on October 1, 2014.

    When the RX64M group is used, please check RENESAS TOOL NEWS
    Document No. 141001/tn5 in which a problem of the CS+ Device
    Information for RX Family V1.04.00 is included.
     https://www.renesas.com/search/keyword-
    search.html#genre=document&q=141001tn5
    This page will be available on and after October 6, 2014.

(4) CS+ Device Information for RH850 (formerly CubeSuite+ Device
    Information for RH850)
    This program has been updated from V1.00.04 to V3.00.00.
    The main items of updating in V3.00.00 are as follows:
    (a) Device Support
      The following MCUs have been added to the support line:
        - RH850/C1H group pf MCUs (RH850 family)
        - RH850/C1M group pf MCUs (RH850 family)
        - RH850/F1H group pf MCUs (RH850 family)

- RH850/F1L group pf MCUs (RH850 family)
  (b) Modification of device information
    The device information relevant to the following MCUs has been modified:
      - RH850/F1L group pf MCUs (RH850 family)

    For details, go to:
      https://www.renesas.com/cubesuite+/CubeSuitePlus_DevInfo_RH850.html
    This page will be updated on October 1, 2014.

2.4 Update Manager
  This update manager has been updated from V2.01.01 to V2.02.00.
  For details, see the Web page at:
    https://www.renesas.com/cubesuite+/CubeSuitePlus_Update_Manager.html
  This page will be updated on October 1, 2014.

2.5 USB Driver for MCU Tools (32-bit Windows OS)
  The following USB drivers have been integrated and the new driver
  has supported CS+ V3.00.00.
    - USB driver for MINICUBE2 (32-bit edition)
    - USB driver for MINICUBE (32-bit edition)
    - USB driver for IECUBE (32-bit edition)
    - USB driver for IECUBE2 (32-bit edition)
  The name of the integrated driver is "USB Driver for MCU Tools (32-bit
  Windows OS)."

2.6 CS+ Utilities (formerly CubeSuite+ Utilities)
  The utilities have been updated from V2.00.01 to V3.00.00.
  For details, go to:
    https://www.renesas.com/cubesuite+/CubeSuitePlus_Utilities.html
  This page will be updated on October 1, 2014.

3. Updating Your Product
  Online updating is available free of charge. The updating methods depend
  on the editions of CubeSuite+.

3.1 For CubeSuite+ V2.00.00 or later
  (1) On the Start menu, select Programs and then Renesas Electronics
     CubeSuite+ to start the Update Manager.
     This service will be provided from October 1, 2014.

     Note: If your CubeSuite+ has been launched with
         rapid startup enabled, exit the CubeSuite+ once,
         and then run the Update Manager.
         If the CubeSuite+ is resident in the notification area

of Windows (system tray) due to rapid startup,
an error occurs and produces the following message:

M0120001
Installation is suspended because "CubeSuite+W.exe" is
running.
It will be resumed next time you start the tool.
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(2) Download the software tools you want from the web site at:
   https://www.renesas.com/cs+_download
  The above tools will be published on this web site
  on October 6, 2014.

3.2 For CubeSuite+ V1.03.00 or Earlier
  Please download and install the evaluation edition of CS+ V3.00.00 from
  the following URL:
  https://www.renesas.com/cs+_download
  The installer will be published on this web site on October 6, 2014.

4. Downloading Evaluation Edition
  Before purchasing any of the commercial editions of CS+, you can evaluate
  its performance and functionality by using the evaluation edition of CS+. 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 October 6, 2014.

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