[Upgrade to Revision]

CS+ Integrated Development Environment V8.09.00

Outline

CS+ integrated development environment has been updated from V8.08.00 to V8.09.00.

1. Products to Be Updated

➢ CubeSuite+ Common Program
V1.00.00 to V1.03.00, V2.00.00 to V2.02.00

➢ CS+ Common Program
V3.00.00 to V3.03.00, V4.00.00 to V4.03.00, V5.00.00, V6.00.00 to V6.01.00, V7.00.00, V8.00.01, V8.01.00 to V8.08.00

For how to check the version number, refer to the link below.
https://www.renesas.com/cs+_ver

2. Topics

2.1 Create multi-core projects (RH850)

Multi-core projects can be created by the following menu and button.

- [File] > [New] menu
- [Project] menu > [Create New Multi-core Project]
- Create Project dialog box > [To dialog with multi-core options] button

2.2 Delete most recently used files and project history

Select the [File] menu and then [Delete the History of Recently Used Files and Projects] to delete histories used in the following.

- [File] menu > [Recent Files]
- [File] menu > [Recent Projects]
- Start panel > [Open Existing Project] area > [Recently Project]

2.3 End of support for Windows 8.1

V8.09.00 or later version no longer support Windows 8.1 as support of Windows 8.1 by Microsoft ended.

3. Description

3.1 CS+ Common Program (Build, Debug, Analytical Features etc.)

- Common Program of CS+ for CC (for RX, RH850, and RL78 Family) has been updated from V8.08.00 to V8.09.00.
- Common Program of CS+ for CA,CX (for 78K, RL78, and V850 Family) has been updated from V4.07.00 to V4.08.00.

CS+ for CC V8.09.00 and CS+ for CA, CX V4.08.00 include the following updates.

(1) CS+ for CC (for RX, RH850, and RL78 Family)

CS+ for CC has been updated from V8.08.00 to V8.09.00.

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Main changes are as follows. For details, see the release note at the link below. (The note is applicable as of January 20.)

https://www.renesas.com/cs+_document

CS+ for CC V8.09.00 Release Note

(a) Improved the build tool
- The following compilers are now supported.
  - ・CC-RH V2.05.00
  - ・CC-RX V3.05.00
  - ・CC-RL V1.12.00

(b) Improved the debug tool
- Simulation of peripheral modules supports more MCUs (RL78 Family)

  The MCU below is now supported.
  - ・RL78/G15

  For details, see the release note at the link below. (The note is applicable as of January 20.)

  https://www.renesas.com/cs+_document

  RL78/G15 Simulator V1.00.00 Release Note

- The virtual board panel supports more components (RL78 Family)

  The following components are now supported.
  - ・Light sensor
  - ・7-segment LED (dynamic lighting)
  - ・Relative humidity sensors (I2C)
  - ・Air velocity sensor (I2C)
  - ・LCD1602 (I2C)
  - ・I2C slave device

  For details, see the user's manual at the link below. (The manual is applicable as of January 20.)

  https://www.renesas.com/cs+_document

  CS+ V8.09.00 Integrated Development Environment User's Manual: RL78 Debug Tool

- Updated the simulators (RL78 Family)

  For details, see the release notes at the link below. (The notes are applicable as of January 20.)

  https://www.renesas.com/cs+_document

  RL78/G13, RL78/G13A Simulator V2.06.00 Release Note

  RL78/G14 Simulator V2.06.00 Release Note

  RL78/G1F Simulator V1.05.00 Release Note

  RL78/L12 Simulator V1.06.00 Release Note

  RL78/G23 Simulator V1.04.00 Release Note

(c) Improved the Python console
- Added an external communication feature between the Python 3 execution environment.

  CS+ can be controlled from Python 3.x.

  For details, see the release note at the link below. (The note is applicable as of January 20.)

  https://www.renesas.com/cs+_document

CS+ for CC V8.09.00 Release Note

(2)   CS+ for CA,CX (for 78K, RL78, and V850 Family)

CS+ for CA,CX has been updated from V4.07.00 to V4.08.00.

For details, see the release note at the link below. (The note is applicable as of January 20.)

https://www.renesas.com/cs+_document

CS+ for CA, CX V4.08.00 Release Note

3.2   Device Information

The device information of CS+ for CC has been updated as follows.

3.2.1   CS+ Device Information for RX Family

The information has been updated from V3.10.00 to V3.11.00.

V3.11.00 includes the following updates.

(1)   The information has been updated for future CS+ updates.

For details, refer to the link below. (The information is applicable as of January 20.)

https://www.renesas.com/cs+/eng/CSPlus_DevInfo_RX.html

3.2.2   CS+ Device Information for RL78

The information has been updated from V8.08.00 to V8.09.00.

V8.09.00 includes the following updates.

(1)   Added supported devices

The following devices are now supported.

- RL78/F23 group

(2)   Corrected the information

The following device information has been corrected.

- RL78/F24 group

For details, refer to the link below. (The information is applicable as of January 20.)

https://www.renesas.com/cs+/eng/CSPlus_DevInfo_RL78.html

3.2.3   CS+ Device Information for RH850 Family

(1)   Corrected the information

The following device information has been corrected.

- RH850/U2A group
- RH850/U2B group

Note: Selecting a type in the U2B group debugger

Select a type for each series, not each package.

For details, refer to the link below. (The information is applicable as of January 20.)

https://www.renesas.com/cs+/eng/CSPlus_DevInfo_RH850.html

3.3   License Manager

The License Manager has been updated from V2.05.00 to V2.06.00.

For details, refer to the link below. (The new license manager is available as of January 20.)

https://www.renesas.com/cs+/eng/CSPlus_License_Manager.html

4. Updating the Product

CS+ can be updated online free of charge. Note that the update method varies depending on the version/revision. See the following and update accordingly.

Note 1: For update of CubeSuite+ to CS+ V3.01.00 or later, the free evaluation edition of the CC-RL build tool is provided.

The license for the C Compiler Package for the RL78 and 78K Families (CA78K0R, CA78K0) does not lift the restrictions on the CC-RL free evaluation edition.

In order to lift the restrictions, purchase the commercial edition of the C Compiler Package for RL78 Family V1 (CC-RL).

Note 2: The license for the C Compiler Package for RH850 Family V1 (CC-RH) does not lift the restrictions on the free evaluation edition of V2 (CC-RH) of the package.

In order to lift the restrictions, purchase the commercial edition of the C Compiler Package for RH850 Family V2 (CC-RH).

Note 3: The licenses for the C/C++ Compiler Package for RX Family V1 and V2 (CC-RX) do not lift the restrictions on the free evaluation edition of V3 (CC-RX) of the package.

In order to lift the restrictions, purchase the commercial edition of the C/C++ Compiler Package for RX Family V3 (CC-RX).

Note 4: For how to purchase a compiler package, see section 6.

4.1 CS+ V3.00.00 or Later

Update in either of the following ways.

(1) On the Windows Start menu, select [Renesas Electronics CS+], and then run the update manager. (The service is available as of January 20.)

Note:

If you have started CS+ with the Rapid Startup function enabled, exit CS+ and then start the update manager.
If the Rapid Startup is enabled and CS+ is shown in the Windows notification area, the following error message appears.

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M0120001

"CubeSuiteW+.exe"

Installation is suspended because "CubeSuiteW+.exe" is running.

It will be resumed next time you start the tool.

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(2) Download the new revision from the link below. (The revision is available as of January 20.)

https://www.renesas.com/cs+_download

4.2 CubeSuite+ V2.00.00 to V2.02.00

See 4.1 and update in the same way.

Change [Renesas Electronics CS+] in the procedure to [Renesas Electronics CubeSuite+].

4.3 CubeSuite+ V1.03.00 or Earlier

The update manager does not support CubeSuite+ V1.03.00 and earlier.

Download CS+ for CC V8.09.00 from the link below. (V8.09.00 is available as of January 20.)

https://www.renesas.com/cs+_download

5. Free Evaluation Edition

Before purchasing a compiler package, you can try its functions and performance with the free evaluation edition.

The free evaluation edition of CS+ for CC is available for download at the link below. (The installer is available as of January 20.)

https://www.renesas.com/cs+_download

You can convert the free evaluation edition to the commercial edition by entering a license for CubeSuite, CubeSuite+, or a compiler package.

6. Purchasing the Product

If you use the CS+ IDE for developing products, a compiler package is required. Purchase the one that suits the intended purpose.

Contact your local Renesas Electronics sales office or distributor for the compiler packages.

For the prices of the products, contact the sales office or distributor.

CS+ supports the following packages.

- C Compiler Package for RH850 Family Professional Edition
- C Compiler Package for RH850 Family Standard Edition
- C/C++ Compiler Package for RX Family Professional Edition
- C/C++ Compiler Package for RX Family Standard Edition
- C Compiler Package for RL78 Family Professional Edition
- C Compiler Package for RL78 Family Standard Edition
- C Compiler Package for the RL78 and 78K Families
- C Compiler Package for V850 Family

Note:

The compiler packages no longer include the installation medium (CD/ DVD) from January 2022.

The installers are available for download at the Renesas website. For information, see section 4.

For details of the packages, refer to the following links.

- C Compiler Package for RH850 Family: https://www.renesas.com/rh850_c
- C/C++ Compiler Package for RX Family: https://www.renesas.com/rx_c
- C Compiler Package for RL78 Family: https://www.renesas.com/rl78_c
- C Compiler Package for the RL78 and 78K Families: https://www.renesas.com/rl78_78k_c
- C Compiler Package for V850 Family: https://www.renesas.com/v850_c

Regarding the compiler licenses, refer to the link below.

https://www.renesas.com/compiler_licenses

Revision History

Rev.	Date	Description	
		Page	Summary
1.00	Jan.16.23	-	First edition issued
1.01	Jan.16.23	1	Add chapter 2.3
1.02	Jan.17.23	3	Change of Link

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Contact Information

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