[Upgrade to Revision] CS+ for CC Integrated Development Environment V8.12.00	R20TS1046EJ0100 Rev.1.00 Jul. 20, 2024

Outline

The CS+ for CC integrated development environment has been updated from V8.11.00 to V8.12.00.

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 V8.11.00

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

2. CS+ for CC: Improved Functionality and Changes

The common programs of CS+ for CC (for RX, RH850, and RL78 families) have been updated from V8.11.00 to V8.12.00.

Sections 2.1 and 2.2 describe the points that have been updated.

For details, see the CS+ for CC V8.12.00 release note at the link below. (It will be published on July 22.)

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

2.1 Enhanced Support for Compilers

The following compilers are now supported.

● C Compiler Package for RL78 Family [CC-RL] V1.14.00
For details of updates and points for caution on the compiler, refer to the release note for the compiler.
CC-RL: https://www.renesas.com/rl78_c
● Version 2023.5.4 of the RH850 compiler from GHS

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2.2 Additions and improvements to features

2.2.1 Added or improved features of the build tool

The following features have been added and improved. For details, refer to the release note.

- Addition of a feature to group messages for each source file or target file in parallel build [RL78][RH850][RX]
  A feature has been added so that, when parallel building proceeds, the output messages are displayed together for each command. This provides a display that eases the comprehension of the results of execution per command.
- Addition of a property for the -E option of FAA structured assembler [RL78]
- Improvement to a property for the -Oinline/-Oinline_level compiler option [RL78][RH850]
  The [Perform inline expansion] property has been improved so that the compiler will optimize inline expansion for the maximum rate of increase that suits the optimization level. You can now automatically adjust the maximum rate of increase by inline expansion.
- Improvement to the property for the -dpfpu option during creation of an application project for the RTOS [RX]
- Improvement to the output of the -nobank option [RX]
- Improvement to the property for the -SHow linker option [RH850][RL78][RX]

2.2.2 Added or improved features of the debug tool

- Improvement to the performance of the debugging function for the flexible application accelerator (FAA) [RL78]
- Addition of types of components supported on the [Virtual Board] panel [RL78]
- Improvement to using the E1 emulator or E20 emulator or E2 emulator or E2 emulator Lite with the RX family [RX]
  When debugging specific devices, an error occurred and debugging was not be able to continue. This problem has now been rectified.

2.2.3 Improvements to the Python console

- Addition of Python functions
- Addition of Python function arguments and return values
  The convenience of the RL78 simulator in terms of pseudo-interrupts and pseudo-timers has been improved for the RL78 instruction simulator.

2.2.4 Addition to the editor facility

- Addition of a facility for highlighting all character strings for the search
  When search, replace, or incremental search operations proceed in the Editor panel, all character strings for the search in the characters area are now highlighted. This improves the visibility of the results of a search.

3. Device Information

Device information has been updated.

For details, refer to the link below. (It will be published on July 22.)

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

RL78: https://www.renesas.com/cs+/eng/CSPlus_DevInfo_RL78.html

RH850: https://www.renesas.com/cs+/eng/CSPlus_DevInfo_RH850.html

4. Updating the Product

CS+ can be updated online free of charge. 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) Open the Windows Start menu, select [Renesas Electronics CS+], and then run Update Manager. (The service is available as of July 22.)

Note:

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

_____

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 and install the desired software tool from the link below. (Tools are available as of July 22.)

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

4.2 CubeSuite+ V2.02.00 or Earlier

Update Manager does not support CubeSuite+ V2.02.00 and earlier.

Download and update to CS+ for CC V8.12.00 from the link below. (V8.12.00 is available as of July 22.)

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

5. Free Evaluation Edition of the Compiler

The compiler included in this product is the free evaluation edition.

Before purchasing a compiler license, 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. (It is available as of July 22.)

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 Compiler License

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 and inform them of which product you wish to purchase.

For product pricing, 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

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, Updating the Product.

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

For the compiler licenses, refer to the link below.

https://www.renesas.com/compiler_licenses

Revision History

Rev.	Date	Description	
		Page	Summary
1.00	Jul.20.24	-	First edition issued

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Contact Information

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www.renesas.com/contact/