



Product News

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IAR Systems further simplifies development of applications based on Renesas RX MCUs

The latest version of IAR Embedded Workbench for Renesas RX adds updated static analysis functionality and integration of Renesas Firmware Integration Technology

Uppsala, Sweden—June 13, 2016—IAR Systems® introduces a new version of IAR Embedded Workbench® for Renesas RX. Version 2.90 of the complete C/C++ compiler and debugger toolchain offers extended static code analysis through the powerful add-on tool C-STAT® and the possibility to easily import Renesas Firmware Integration Technology (FIT) modules.

The highly requested tool C-STAT is fully integrated in the IAR Embedded Workbench IDE and performs advanced static analysis on the source code level. The updated version adds approximately 150 new checks to the existing wide range of checks, including 90 new MISRA C:2012 checks and two new packages of checks. Several new options are also available, for example the possibility to enable or disable the false-positives elimination phase of the analysis as well as to exclude files from the analysis. It not only aids developers in ensuring the code quality early in the development cycle, it also detects defects, bugs, and security vulnerabilities as defined by CERT C/C++ and the Common Weakness Enumeration (CWE), as well as helps keeping code compliant to coding standards like MISRA C:2004, MISRA C++:2008 and MISRA C:2012.

Renesas FIT is a technology that simplifies development of RX-based applications and improves portability between RX microcontrollers. It consists of a Board Support Package (BSP), peripheral function modules, middleware modules, and interface modules. The latest version of IAR Embedded Workbench for Renesas RX adds a tool for easy import of FIT modules. With this new integration, developers can use the imported FIT modules in IAR Embedded Workbench without having to make any adaptations to the imported code.

IAR Embedded Workbench for Renesas RX offers the IAR C/C++ Compiler™, assembler, linker, library tools and the C-SPY® Debugger in one single IDE. It provides everything developers need to create smaller, faster, and smarter code for all Renesas RX MCUs. More information is available at www.iar.com/iar-embedded-workbench/tools-for-rx.

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***Editor's Note:** IAR Systems, IAR Embedded Workbench, IAR Connect, C-SPY, C-RUN, C-STAT, visualSTATE, IAR KickStart Kit, IAR Experiment!, I-jet, I-jet Trace, I-scope, IAR Academy, IAR, and the logotype of IAR Systems are trademarks or registered trademarks owned by IAR Systems AB. All other products names are trademarks of their respective owners.*

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About IAR Systems

IAR Systems provides developers of embedded systems with world-leading software tools for developing competitive products based on 8-, 16-, and 32-bit processors. Established in Sweden in 1983, the company has over 46,000 customers globally, mainly in the areas of industrial automation, medical devices, consumer electronics, telecommunication, and automotive products. IAR Systems has an extensive network of partners and cooperates with the world's leading semiconductor vendors. IAR Systems Group AB is listed on NASDAQ OMX Stockholm. For more information, please visit www.iar.com.