



Product News

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IAR Systems launches support for flagship Renesas MCUs across security development framework

Latest versions of C-Trust and the Security from Inception Suite adds support for the recently announced Renesas RA microcontroller family plus extended support for the highly successful Renesas RX microcontroller family

Uppsala, Sweden—July 8, 2020—IAR Systems®, the future-proof supplier of software tools and services for embedded development, today releases new versions of the security development tool C-Trust® and the Security from Inception Suite, which extend the device support with a number of microcontrollers (MCUs) from Renesas Electronics Corporation, further addressing the increased security requirements for embedded applications.

C-Trust works as an extension of the complete development toolchain IAR Embedded Workbench® and enables developers to easily protect an existing or new application without having to master the deeper complexities of security. The Security from Inception Suite integrates C-Trust with additional security development tools plus market-leading training to support companies transitioning into the security domain to achieve legislative requirements, such as California & Oregon consumer law, the ETSI TS 103 645 standard, and the IEC 62443 industrial IoT security standard.

The Renesas RA MCU family is based on Arm® Cortex®-M and delivers a combination of optimized performance, security, connectivity, peripheral IP, and easy-to-use Flexible Software Package (FSP) to address the next generation of embedded solutions. The security development tool C-Trust now supports the RA6M3 group of MCUs in the RA Family. In addition, the support for Renesas RX MCUs is extended with support for RX72N, building on the previous coverage for Renesas RX65N. By using C-Trust, developers are able to improve the security of an application with robust protection against Intellectual Property (IP) theft, malware injection, counterfeiting and overproduction. Furthermore, by developing on the Renesas platforms with C-Trust, it is now possible to accelerate compliance with the new legislation. For example, ensuring that the identity and device management requirements dictated by IEC62443 are easily integrated across the development organization.

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“We have built a comprehensive partner ecosystem around RA MCUs, making it easy to develop IoT endpoint and edge devices for a number of application areas,” says Mohammed Dogar, Senior Director of Global Business Development at Renesas. “We are pleased to see our key partner IAR Systems further contributing to this by adding support for more Renesas MCUs in their security tools.”

“The growing number of security legislations globally drives a need for easing security implementation, both in existing and new designs,” says Clive Watts, Director of Product Management, Embedded Security Solutions, IAR Systems. “To help our customers in meeting the increasing security requirements, we are constantly updating the device support in our security tools offering. By supporting both the RA and RX families, we deliver a security solution enabling developers to leverage their security investment across several architectures without the need for extensive redesign or rework.”

To help companies in building the right level of security for their needs, IAR Systems offers the Security from Inception Suite, which is a unique set of tools and services for implementing and customizing security in embedded applications. More information about IAR Systems’ complete security offering, as well as details about the security tool C-Trust, is available at www.iar.com/security.

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Editor's Note: IAR Systems, IAR Embedded Workbench, Embedded Trust, C-Trust, IAR Connect, C-SPY, C-RUN, C-STAT, IAR Visual State, IAR KickStart Kit, 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 product names are trademarks of their respective owners.

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About IAR Systems

IAR Systems supplies future-proof software tools and services for embedded development, enabling companies worldwide to create the products of today and the innovations of tomorrow. Since 1983, IAR Systems’ solutions have ensured quality, reliability and efficiency in the development of over one million embedded applications. The company is headquartered in Uppsala, Sweden and has sales and support offices all over the world. Since 2018, Secure Thingz, the global domain expert in device security, embedded systems, and lifecycle management, is part of IAR Systems Group AB. IAR Systems Group AB is listed on NASDAQ OMX Stockholm, Mid Cap. Learn more at www.iar.com.