IAR platform boosts embedded development with upgraded toolchains for Arm and RISC-V

June 10, 2025 – Uppsala, Sweden – IAR, a global leader in software solutions for embedded systems, has launched a major update of its flagship toolchains: IAR toolchains for Arm version 9.70 and RISC-V version 3.40. These modern toolchains significantly enhance the cloud-enabled IAR platform with new capabilities in performance, safety, and automation to support agile, scalable embedded applications in automotive, industrial, medical, and IoT markets.

Built to meet the increasing complexity of embedded systems, the latest IAR toolchains offer cloud-based licensing, CI/CD pipeline integration, and multi-architecture support. As Arm and RISC-V continue to drive innovation, IAR delivers a unified platform for high-quality, secure development. These innovations enable customers to speed up time to market, lower R&D costs, and improve ROI, making complex embedded development more predictable and scalable.

"Arm and RISC-V are shaping the future of embedded innovation, and IAR is proud to deliver toolchains tailored to help our customers innovate and differentiate," said Thomas Andersson, Chief Product Officer of IAR. "These latest releases expand the IAR platform with enhanced DevOps integration, multi-architecture code reuse, and built-in support for safety-compliant development, all available through flexible, cloud-enabled subscription access."

With the latest releases, IAR further strengthens its support for modern DevOps practices and distributed development. Enhanced compatibility with open-source SDKs, CMake-based workflows, and externally built executables allows teams to streamline development across hybrid and cloud-native environments. Whether working locally or in containerized CI/CD pipelines, developers benefit from a consistent and traceable experience powered by the IAR platform.

Feature-wise, the Arm toolchain adds expanded support for GNU C/C++ and C++20, easing integration with open-source and vendor SDKs. The RISC-V release broadens support for DSP and SIMD instructions and includes compatibility with automotive-grade IP such as Synopsys ARC-V, enabling developers to adopt industry-ready tools with confidence.

By consolidating modern workflows into a single platform, IAR eliminates toolchain fragmentation. With built-in support for safety standards like ISO 26262, IEC 61508, and IEC 62304, developers can ease certification, protect IP, and reduce time-to-market. The platform also simplifies legacy maintenance and ensures continuity across evolving processor landscapes, empowering development teams to move faster, with greater flexibility and reliability.

Complementing these updates, the latest IAR Visual Studio Code extensions (v.1.42) bring advanced RTOS-aware debugging to the IAR platform. Developers gain deeper visibility into real-time behavior with task and interrupt logging, multicore execution insights, and native Zephyr RTOS support on Arm—all within their familiar development environment. These enhancements accelerate development, simplify debugging, and increase transparency across complex embedded systems. As a result, teams can reduce iteration cycles, improve code quality, and optimize resource usage, translating to faster delivery and greater return on development investments.

For more information about IAR's embedded development platform, visit https://www.iar.com /embedded-development-tools.

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About IAR
At IAR, we provide world-leading software and services for embedded development, empowering companies globally to bring secure products that shape the future. Since its founding in 1983, our solutions have been instrumental in ensuring quality, security, reliability, and efficiency in the development of over one million embedded applications for a wide range of industries, including Automotive, Industrial Automation, IoT, MedTech, Military, and Public Safety sectors. With support for 15,000 devices from over 70 semiconductor partners, we are dedicated to fostering innovation and enabling our customers' success.

The company is headquartered in Uppsala, Sweden, with a global presence of sales and support offices strategically located across the world. IAR is an I.A.R. Systems Group AB subsidiary, listed on NASDAQ OMX Stockholm, Mid Cap (ticker symbol: IAR B). To learn more, visit us at www.iar.com.

Image Attachments
IAR + Arm + RISCV

Attachments
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