



IAR Announces New Version with Enhanced Cloud Debugging and Simulation Capabilities

Empowering Next-Gen Embedded Software Development with Arm Virtual Hardware Integration and Enhanced Cloud-Based Collaboration in Linux-based systems

Uppsala, Sweden, December 7, 2023 – IAR, the world leader in software and services for embedded development, is proud to introduce version 9.50 of our flagship products IAR Embedded Workbench for Arm and IAR Build Tools for Arm. This update marks a significant advancement in the realm of embedded software development, featuring enhancements like advanced cloud debugging and simulation capabilities on Linux. It includes the integration of Arm® Virtual Hardware (AVH) and the robust IAR C-SPY Debugger and Simulator for Linux, underscoring our dedication to providing sophisticated and efficient solutions for the evolving demands of the embedded systems industry.

Key Features of the New Release:

- **Arm Virtual Hardware (AVH) Support:** Introduces AVH for simulating a wide range of Arm-based hardware in the cloud. This allows early software development before the availability of physical hardware, integrating seamlessly with CI/CD and MLOps workflows, drastically accelerating time to market.
- **Enhanced IAR C-SPY Debugger and Simulator for Linux:** Offers a sophisticated Debugger and Simulator for Linux, supporting automated workflows and IAR I-jet hardware debug. These enhancements optimize testing in CI/CD pipelines, improving efficiency and reducing time consumption.
- **Runtime Analysis Integration for Linux:** Incorporates IAR C-SPY and IAR C-RUN add-ons into the Linux environment, enhancing development and testing phases with advanced analysis and testing capabilities, thereby elevating code quality and reliability.
- **Cloud-Based Development and Collaboration:** Facilitates integration into cloud-native and collaborative environments, supporting remote teamwork and leveraging cloud infrastructure for simulation and virtualization. This aligns with modern software development trends.

“Arm is committed to ensuring developers have simplified, streamlined access to the tools they need to innovate fast,” said Reinhard Keil, senior director of embedded technology at Arm. “The integration of Arm Virtual Hardware in IAR’s latest release will be a game-changer for embedded developers, as it accelerates development processes and enables modern workflows such as test-driven development with continuous integration.”

The new release brings key benefits to developers in embedded systems:

- **Simulation and Virtualization Tools:** It offers enhanced tools for simulating and virtualizing diverse environments and conditions, crucial for testing and validating embedded software. This ensures robustness and functionality under various scenarios.
- **Collaborative and Cloud-Based Development:** Aligning with the trend towards remote work, the release enables flexible, efficient development processes. It supports seamless team collaboration regardless of location and leverages cloud computing for development and testing.



“As cloud-based software development evolves, AVH support and our IAR C-SPY Debugger and Simulator for Linux are vital for continuous integration and deployment, especially with the growing range of embedded devices,” said Anders Holmberg, CTO at IAR. “By blending DevOps with cloud and embedded development, we empower developers to boost efficiency and accelerate market readiness.”

These features solidify IAR's commitment to delivering advanced solutions that meet the dynamic needs of software developers. This release is expected to significantly enhance efficiency and flexibility for those working with embedded systems. For more details on IAR Embedded Workbench for Arm, supporting over 8,800 Arm devices, visit <https://www.iar.com/ewarm>.

Contacts

Hanna Laurentz, Head of Corporate Communications, IAR
Tel: +46 18 16 78 00 E-mail: hanna.laurentz@iar.com

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.

Editor's Note: IAR, IAR Embedded Workbench, Embedded Trust, Embedded Secure IP, C-Trust, C-SPY, C-RUN, C-STAT, IAR Visual State, I-jet, I-jet Trace, IAR Academy, IAR, and the logotype of IAR are trademarks or registered trademarks owned by IAR Systems AB. All other product names are trademarks of their respective owners.

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