

SEGGER tools gain deeper integration in JetBrains CLion with AI-assisted debugging

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SEGGER's embedded development tools are now more deeply integrated into JetBrains CLion IDE. CLion provides dedicated configuration for J-Link debug probes as well as direct access to SEGGER's Ozone debugger and SystemView real-time software analysis tool, connecting coding and ultra-fast flash programming with advanced debugging and real-time system analysis.

CLion's newest release introduces AI-powered debugging tools. According to JetBrains, its new AI skill for hard-fault debugging uses dedicated tooling to automatically decode fault registers and trace issues back to their source on Cortex-M devices, including targets connected via J-Link.

The combination of CLion's AI capabilities and J-Link's fast, reliable access to embedded targets enables AI-assisted development to go beyond code generation. Developers can use information obtained from the actual hardware to analyze faults, identify their underlying causes, and accelerate the process of finding and fixing bugs.

"Embedded development is where AI agent has to understand more than code -- it needs real evidence from the target," says Artemy Pestretsov, Head of C/C++ Ecosystem at JetBrains. "CLion brings SEGGER's J-Link, Ozone, and SystemView workflows closer to the development environment while giving agents access to real debugger context. This moves agentic AI usage beyond code generation toward hardware-aware engineering: investigating faults, reasoning from the state of the device, and helping developers reach a verified fix faster."

"J-Link is about giving developers fast, reliable access to their hardware, whichever IDE they use," says Dirk Akemann, Head of Technical Marketing at SEGGER. "With CLion's support for J-Link and direct access to Ozone and SystemView, developers can move easily from development and debugging to in-depth system analysis. CLion's new agentic capabilities also show how AI can go beyond code generation and help developers investigate problems directly on real hardware."

J-Link supports more than 15,000 microcontrollers and SoCs across a broad range of architectures from over 120 silicon vendors and integrates with more than 35 leading IDEs and development environments. Its ultra-fast flash programming speeds and broad device support give developers fast, reliable access to their target hardware. Together, J-Link, Ozone, and SystemView give CLion users access to SEGGER's debugging and system analysis ecosystem directly from their development environment.

[See the integration in action](#)

JetBrains and SEGGER will host a joint webinar on November 10, 2026, demonstrating how CLion and SEGGER's tools work together to streamline embedded development and debugging. Participation is free of charge. Register for the webinar [here](#).

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About SEGGER

Founded in 1992, SEGGER Microcontroller GmbH has over three decades of experience in embedded systems, producing cutting-edge [RTOS and software libraries](#), J-Link and J-Trace [debug and trace probes](#), a line of [Flasher ISPs](#), and [software development tools](#).

SEGGER's all-in-one solution [emPower OS](#) provides an RTOS and a complete spectrum of software libraries for, among other things, communication, security, data compression and storage, user-interface software, and more. emPower OS gives developers a head start, allowing them to benefit from decades of experience in the embedded industry.

SEGGER's professional embedded-development software and tools are simple in design, optimized for embedded systems, and support the entire embedded-system development process with their affordability, high quality, flexibility, and ease of use.

SEGGER, with headquarters in Monheim am Rhein, Germany, also has an office in Boston, Massachusetts, United States, and branch operations in Silicon Valley, California, United States; Shanghai, China; and the United Kingdom. With distributors on most continents, SEGGER's full product range is available worldwide.

For more information on SEGGER, visit www.segger.com.

Why SEGGER?

In short, SEGGER has a full set of tools for embedded systems, offers support throughout the entire development process, and has decades of experience. We are The Embedded Experts.

Furthermore, SEGGER software has no open-source or attribution licenses, and it can be integrated into any commercial or proprietary product — with no obligation to disclose the combined source. SEGGER offers stability in an often-volatile industry, making it a highly reliable partner for long-term business relationships.

For additional information, visit www.segger.com.

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