

It simply works!

SEGGER's Ozone debugger adds support for custom instructions

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SEGGER just released Ozone V3.10, a major update to its full-featured graphical debugger and performance analyzer. The new release includes support for custom instructions, allowing disassembly of application specific instructions added to the CPU core to tailor it for the particular application. Custom instructions are defined in plug-in scripts, which can be easily edited by the user of Ozone or the CPU core designer. The software already comes with a plug-in script for the popular RISC-V PULP extension.



Custom instructions are used to make embedded systems more efficient. Tailoring instructions to a specific application increases speed and reduces power consumption. The use of customized instructions, now available for RISC-V and ARM, is becoming more widespread.

The new release comes with other new features and enhancements as well, most notably a new unified timeline window. The unified timeline window now shows all time-related values in a single window, so that instruction trace, power consumption, and data values can be viewed at a glance, while at the same time reducing the amount of screen real estate being used. Having this information in the same timeline can reveal important system information, especially the correlation between power, data, and code execution.

Ozone works cross-platform for Windows, macOS, and Linux.

Like most SEGGER software, Ozone can easily be downloaded and installed without a registration process. Ozone is available for free with a J-Link PLUS, PRO, ULTRA+, or with a J-Trace. Other J-Link models can use Ozone under the terms of SEGGER's friendly licensing, allowing use for non-commercial purposes as well as unlimited evaluation even for the commercial user.

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About SEGGER

SEGGER Microcontroller has over twenty-five years of experience in Embedded Computer Systems, producing state-of-the-art software libraries, and offering a full set of hardware tools (for development and production) and software tools.

SEGGER provides an RTOS plus a complete spectrum of software libraries including communication, security, data compression and storage, user interface software and more. Using SEGGER software libraries gives developers a head start, benefiting from decades of experience in the industry.



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SEGGER's professional software libraries and tools for Embedded System development are designed for simple usage and are optimized for the requirements imposed by resource-constrained embedded systems. The company also supports the entire development process with affordable, high-quality, flexible, easy-to-use tools.

The company was founded by Rolf Segger in 1992, is privately held, and is growing steadily. SEGGER also has a U.S. office in the Boston area and branch operations in Silicon Valley and the UK, plus distributors on most continents, making SEGGER's full product range available worldwide.

Why SEGGER?

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

In addition, SEGGER software is not covered by an open-source or required-attribution license and can be integrated in any commercial or proprietary product, without the obligation to disclose the combined source.

Finally, SEGGER offers stability in an often volatile industry making SEGGER a very reliable partner for long-term relationships.

For additional information please visit: www.segger.com

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