Caption: Tracealyzer v4.5 tracing a dual-core ESP32 MCU running ESP-IDF FreeRTOS.
Image available: https://percepio.com/press/photos/tracealyzer45-esp32.png

Percepio Releases Tracealyzer v4.5
with Support for ESP32, Zephyr, and More

- *Single- and multicore ESP32 supported with ESP-IDF FreeRTOS*
- *Beta support for Zephyr RTOS v2.6*
- *Free webinar 30 June: "Optimize your application with Tracealyzer"*

Västerås, Sweden, 15 June 2021 * * * Percepio®, the leader in visual trace diagnostics for embedded systems and the Internet of Things (IoT), today announced Tracealyzer version 4.5 with support for the Espressif ESP32 MCU, the open-source Zephyr RTOS, improved integration with Lauterbach uTrace, and a range of other enhancements.

Zephyr is a safe, secure, and scalable open-source RTOS that supports multiple hardware architectures. Maintained by the Linux Foundation, Zephyr is one of the fastest growing RTOSes today. Percepio's trace recorder library has now been adapted and integrated with Zephyr v2.6. This means that Tracealyzer support is easily accessible as a configuration option when setting up a new Zephyr project. The new Tracealyzer v4.5 offers beta-level support for Zephyr.

"We are thrilled to offer Percepio Tracealyzer to the Zephyr community," said Johan Kraft, Percepio CEO. "The Zephyr Project has a vibrant community of IoT developers where Tracealyzer fits right in as an innovative complement to traditional source-code debuggers. The visual timeline and powerful overviews Tracealyzer provides make it easy to spot anomalies in IoT software. This lets users speed up debugging, analyze the software design and optimize performance. With this insight, Zephyr developers can make better products in less time and at lower cost."

Tracealyzer v4.5 also adds support for Espressif ESP32 microcontrollers. Tracealyzer is now able to capture traces from Espressif's single- and multicore versions of FreeRTOS and show live streamed traces from both cores at the same time.

The new version further offers improved support for the STLINK-V3 debug probe and includes the support package required to use Tracealyzer with a Lauterbach uTrace probe. Likewise, Tracealyzer v4.5 is the first official version to include support for Percepio DevAlert, a cloud service for monitoring and remote diagnostics of IoT devices during testing and deployment.

Percepio FAE Kristoffer Martinsson will present what's new in Tracealyzer v4.5 in a live webinar on 30 June at 14.00 and 19:00 CEST. He will also talk about how to optimize your embedded or IoT application with the help of Tracealyzer. For information and to register for this free webinar, please go here.

Tracealyzer v4.5 will be available in the second half of June, with beta-level support for Zephyr RTOS. The Zephyr support will be updated to official status after the summer. Users can download an evaluation license from percepio.com/download or contact their local Percepio distributor.

About Percepio

Percepio is the leading provider of visual trace diagnostics for embedded and IoT software systems in development and in the field. Like a surveillance camera for embedded software, Percepio Tracealyzer allows users to visually spot and analyze issues in software recordings during development and testing. Percepio DevAlert is a cloud service for monitoring deployed IoT devices, combining automatic error reporting with visual trace diagnostics powered by Tracealyzer.

Percepio collaborates with leading vendors of processors and operating systems within embedded system and IoT such as Infineon, NXP Semiconductors, STMicroelectronics, Renesas Electronics, Wind River Systems and Amazon Web Services. Percepio is based in Västerås, Sweden. For more information, visit percepio.com.

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