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Percepio Announces Tracealyzer Version 4.3 With FreeRTOS Stack Analysis, Improved State Machine Analysis and Better Performance

Västerås, Sweden, 25 April 2019 * * * [Percepio](https://www.percepio.com), the leader in software trace visualization for embedded systems and IoT, announces the release of Tracealyzer version 4.3. The new version has new features for state machine analysis, stack usage analysis for Amazon FreeRTOS and major performance improvements when working with large traces.

“This is a major step in the Tracealyzer evolution. For instance, the new Interval Details view provides a much better overview of state machines and other custom intervals in the trace. This works just like for tasks and events, just double-click on an entry in an Interval field. When recording really long traces, several hours or more, you will appreciate that loading specific sections from the Trace Preview is now magnitudes faster than before, thanks to improved indexing. This means you can work effectively also with very large traces. Finally, the new stack usage analysis allows you to see the highest stack usage of each FreeRTOS task, and over long tests. This way you can optimize the stack size and free up RAM for new features. You will even be able to deploy this stack monitoring in the field, via our upcoming Device Firmware Monitor service.” says Percepio CEO Dr. Johan Kraft.

Version 4.3 also brings improvements of the trace view, as well as data exporting. All point graph views, like the User Event Signal Plot, now allows for exporting to CSV files that can be

imported in many other applications, such as spreadsheets. This can be used for e.g. sensor readings logged as User Events, task response times, memory allocations, or the duration of custom intervals between any two events in the trace.

Tracealyzer 4.3 is available for evaluation and download at percepio.com.

About Percepio

Percepio is the developer of a highly visual runtime diagnostics tool for embedded and Linux-based software, Tracealyzer, and of the award-winning Device Firmware Monitor (DFM), an upcoming cloud-based service for error reporting in deployed IoT devices with Tracealyzer diagnostics. Percepio collaborates with several leading vendors of operating systems for embedded software and is a member of the Amazon Web Services Partner Network (Advanced Technology Partner) and the Embedded Vision Alliance. Percepio was founded in 2009 and is based in Västerås, Sweden. For more information, visit percepio.com.

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