



Photo available: <https://perceptio.com/press/photos/tracealyzer44-linux-october.png>

## Press Release 7/20

# Perceptio Announces Full Availability of Tracealyzer Version 4.4 with New Support for Embedded Linux

Västerås, Sweden, 15<sup>th</sup> October 2020 \* \* \* After extensive public beta testing, [Perceptio](https://perceptio.com), the leader in visual trace diagnostics for embedded and IoT software systems, announces the immediate availability of Tracealyzer version 4.4 with new support for embedded Linux.

Perceptio Tracealyzer gives a new level of insight during software debugging and verification at system level by enabling visual top-down exploratory analysis. This makes it easy for developers to spot issues, also during full system testing, and drill down into the details to find the cause. The new version adds several views optimized for Linux tracing to the vast set of visualizations already present in Tracealyzer, and leverages CTF, the Common Trace Format, and the widely supported [LTTng](https://lttng.org/) open source tracing framework. New features for Linux include:

- The **Signals and Syscalls Explorer**, which is like an index over the trace, showing how each thread, process and process tree interacts with the Linux kernel through syscalls, and how signals are generated and delivered.

- The **Communication Flow** view has been optimized for Linux and shows a visual graph over the process interactions with respect to file descriptors, signals and pipes.
- An **Actor Tree** field in the main trace view lets you see how processes and threads are spawned over time, including their parent/child relations.

Percepio CEO and founder Dr. Johan Kraft comments: “Percepio Tracealyzer is firmly established as the leading solution for visual trace diagnostics in the RTOS space. Linux is the single largest platform for embedded and IoT systems today and has an even greater need for better debugging support at system level. We are therefore thrilled to release an even better version of Tracealyzer that is now also optimized for the needs of embedded Linux developers.”

Other notable improvements for Linux developers in Tracealyzer 4.4 include:

- **Quick Zoom**, a feature that allows users to quickly zoom in by holding down the Ctrl key while dragging the mouse pointer over an interval.
- Rich set of **high-level overviews** for top-down exploratory analysis, including process interactions, process forking, CPU usage, RAM usage, I/O usage, file usage, state machines and user-defined metrics.
- Powerful yet intuitive **trace view** for showing the details, scalable for large Linux traces with respect to both responsiveness and clarity.
- **Modern and flexible user interface** – Customize the window layout and have the right information available on-screen to facilitate analysis. Save and load multiple layouts to suit each use-case.
- **User-defined advanced analysis** – Adapt Tracealyzer to specific use cases via customizable event interpretation, user-defined data sets such as Intervals and State machines and display in highly configurable views.

### Availability

[Tracealyzer 4.4 for Linux](#) is available now through Percepio’s worldwide distributor network. Contact [sales@percepio.com](mailto:sales@percepio.com) or visit the [Percepio Partner listing](#) to find a local distributor.

### About Percepio

Percepio is the leading provider of visual trace diagnostics for embedded and IoT software systems, during development and in the field. Percepio Tracealyzer, which can be viewed as a surveillance camera for embedded software, allows users to visually spot and analyze issues

in software recordings during development and testing. Percepio DevAlert is a cloud service for deployed IoT devices combining automatic error reporting with visual trace diagnostics, powered by Tracealyzer. This provides a DevOps-style feedback loop from IoT device to developer, speeding up awareness and resolution of any remaining software issues during field testing or customer use.

Percepio collaborates with several leading vendors of operating systems for embedded software and is partnering with Cypress, an Infineon Technologies company, NXP, STMicroelectronics, Renesas, and Wind River. The company is also a member of the Amazon Web Services Partner Network. The company was founded in 2009 as a spin-off from applied research at Mälardalen University and is based in Västerås, Sweden. For more information, visit [percepio.com](http://percepio.com).

\* \* \*

#### **Reader Enquiries**

##### **Percepio AB**

Mike Skrtic

Phone: +46 76 003 0080

[mike.skrtic@percepio.com](mailto:mike.skrtic@percepio.com)

[percepio.com](http://percepio.com)

#### **Press Contact**

##### **PRismaPR**

Monika Cunnington

Phone: +44 20 8133 6148

[monika@prismaapr.com](mailto:monika@prismaapr.com)

[prismaapr.com](http://prismaapr.com)