



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

**Visit Percepio at Embedded World,  
25-27 February 2020, Nuremberg,  
Booth 4-305**

## **Press Release 3/20**

# **Percepio Introduces Tracealyzer 4.4 With Support for Embedded Linux**

*Embedded Linux Developers Speed Debugging with Visual Trace Diagnostics  
Designed for Simplicity in Everyday Application Development*

**Västerås, Sweden, 25<sup>th</sup> February 2020** \* \* \* [Percepio](https://percepio.com), the leader in visual trace diagnostics for embedded systems and IoT, introduces new support for embedded Linux systems in Tracealyzer v4.4. This latest Tracealyzer version includes stunning visualization and analysis capabilities designed for embedded Linux application developers and is packaged in an intuitive, modern user interface.

Tracealyzer transforms low-level trace data into a rich set of overviews enabling top-down exploratory analysis, making it easy to spot anomalies and drill down to see the details. This avoids many hours of frustrating guesswork, providing faster solutions and a much higher level of confidence during debugging, verification and performance optimization.

The new Tracealyzer for Linux leverages the widely supported LTTng tracing framework, and has been verified with Wind River Linux LTS 2019.

“Wind River has teamed with partners such as Percepio AB to ensure that there is both an open source and a commercial ecosystem of tools that address the needs of Wind River Linux developers,” said [Wind River in a statement](#). “The Percepio Tracealyzer trace visualization tool provides a large number of high-level views to make it easier to spot anomalies in program execution and to trace them to the root cause without requiring a great deal of Linux kernel expertise.”

Tracealyzer v4.4 combines the latest generation Tracealyzer with significant improvements for embedded Linux. These include:

- **Visual Trace Diagnostics for Linux** – Easily spot anomalies in visual overviews and zoom in on the bugs like never before.
  - Rich set of high-level overviews for top-down exploratory analysis, including process interactions, parent/child process dependencies, 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; optimized for Linux traces and now includes process trees, forking and system calls.
- **A 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.
- **Open Standards** – Leverages CTF, the Common Trace Format, using the widely supported LTTng tracing framework.

Percepio CEO and founder Dr. Johan Kraft comments: “There is tremendous potential to improve embedded software development via better insight into the runtime system, especially for complex software systems based on Linux. For embedded application developers to really benefit from software tracing in everyday development, proper tools for visual trace diagnostics are key as these tools allow developers to quickly make sense of large software traces, identify bugs and verify solutions. We’ve developed Tracealyzer to make visual trace diagnostics simple and a natural part of everyday development, yet also have allowed for more advanced analyses of application-specific concerns.

Tracealyzer has been very appreciated among RTOS software developers and we are thrilled to now offer an even better Tracealyzer for embedded Linux developers.”

### **Availability**

Tracealyzer 4.4 for Linux will be available in Q2 2020. Percepio provides a beta tester program for embedded Linux developers interested in trying a pre-release version and providing feedback. Those interested may apply immediately to [info@percepio.com](mailto:info@percepio.com).

### **About Percepio**

Percepio is the leading provider of visual trace diagnostics for embedded and IoT software systems, during development and in the field. Percepio collaborates with several leading vendors of operating systems for embedded software and is partnering with NXP, STMicroelectronics, Renesas, and Wind River. The company is also a member of the Amazon Web Services Partner Network. Percepio was founded in 2009 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 Contacts**

**PRismaPR**  
Gabriele Amelunxen  
Phone: +49 8106 247233  
[info@prismapr.com](mailto:info@prismapr.com)  
[www.prismapr.com](http://www.prismapr.com)

**PRismaPR**  
Monika Cunnington  
Phone: +44 20 8133 6148  
[monika@prismapr.com](mailto:monika@prismapr.com)  
[www.prismapr.com](http://www.prismapr.com)