



Caption: The DevAlert Sandbox runs in your browser and consists of development tools, a virtual Arm device and a demo application. Watch the introductory video [here](#)

High-res image available: <https://percepio.com/press/photos/devalert-sandbox-overview.pdf>

Introducing DevAlert® Sandbox

An Easy Route to Instant Anomaly Detection in RTOS Device Software for 100x Faster Resolution, Safeguarding Deployments at Scale

- **Experience the power of an automated feedback loop from deployed devices to OEM development and support teams**
- **Detect virtually any anomaly in remote device software within seconds and get deep insight for rapid issue resolution**
- **Get started in five minutes on a simulated device in your web browser, without needing to write a single line of code**

Västerås, Sweden, 8 June 2022 * * * Percepio®, the leader in visual trace diagnostics for embedded systems and the Internet of Things (IoT), today released DevAlert® Sandbox, a ready-to-run online platform for Percepio DevAlert, the company’s monitoring framework for remote anomaly detection and debugging of RTOS software.

“In a world that is increasingly defined by software, OEMs making intelligent devices need an automatic feedback loop from device to developer to enable rapid detection and debugging of software anomalies, both during development and in deployment. By including Percepio

DevAlert in shipped devices, OEMs can react 100x faster on software issues in the field and provide rapid updates to safeguard customer operations. DevAlert Sandbox provides an easy route to exploring the concept in general, and DevAlert in particular,” said Percepio CEO and founder Johan Kraft.

Percepio DevAlert is a cloud-connected monitoring framework for anomaly detection and remote debugging of RTOS-based embedded software, during development and in deployment at scale. DevAlert enables a diagnostic feedback loop from deployed devices back to OEMs and operators, and provides immediate and full insight into anomalies in the device software via software tracing and the integrated Tracealyzer tool. This way, OEMs can provide rapid solutions to safeguard their devices and related business, and reduce debugging and customer support costs. DevAlert is designed to fit in small microcontroller-based devices and scales to large device fleets without causing alert fatigue.

DevAlert Sandbox lets users experience a full DevAlert setup directly in their web browser using a simulated device, and without having to write any code. A ready-to-run application example is included with source code and development tools, allowing developers to explore and experiment with use-cases of software anomaly monitoring, and expand the solutions to their own projects.

The example application provided by DevAlert Sandbox is an elevator control system running on a virtual Arm microcontroller, powered by the xPack QEMU Arm simulator and monitored using Percepio DevAlert. A graphical simulator interface allows for triggering anomalies in the elevator controller, which are detected and reported using Percepio DevAlert together with software traces that explain the reported anomalies.

DevAlert and DevAlert Sandbox are available free of charge for an evaluation period. To get started, visit <https://percepio.com/devalert> and sign up for a free evaluation account.

About Percepio

Percepio is the leading provider of visual trace diagnostics for embedded and IoT software systems in development and in the field. [Percepio Tracealyzer](#) combines software tracing with powerful visualizations, allowing users to visually spot and analyze issues in software recordings during development and testing. Tracealyzer has been licensed by over 800 development teams and supports a wide range of embedded software platforms, such as FreeRTOS, Azure RTOS ThreadX, Zephyr RTOS, VxWorks and Linux.

[Percepio DevAlert](#) is a monitoring framework for anomaly detection and remote debugging of RTOS-based embedded software that provides full insight into anomalies in the device software during testing and in deployment, enabling OEMs to provide rapid solutions to safeguard their devices and related business.

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

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