

Lauterbach tools now COQOS Hypervisor aware

OpenSynergy and Lauterbach announce cooperation

Berlin, Hoehenkirchen-Siegersbrunn, February 18, 2021. OpenSynergy and Lauterbach GmbH are pleased to announce their partnership; TRACE32 adds awareness of OpenSynergy's COQOS hypervisor and the guest systems running on it. This provides customers an efficient way of debugging and tracing complex SoC's without requiring detailed knowledge of the interaction between the multiple operating systems.

Lauterbach's tool awareness includes support for both the ARM-A and ARM-R variants of the OpenSynergy COQOS hypervisor. The COQOS hypervisors enable the safe and secure convergence of several functionalities on a single ECU or MCU while providing freedom from interference between systems of different criticality (assigned to different ASIL levels up to ASIL-D). Lauterbach's TRACE32 debugger can visualize interrupts, debug boot code from the first instruction, and inspect all guest OS resources including application code and process tables. Using the TRACE32 trace module the developer can also analyze real-time performance of the Hypervisor and Guest OSes.

Debugging and tracing are key steps of a development workflow. With their tools, Lauterbach supports engineers in finding the reason for erroneous results during program execution by allowing them to control the execution, inspecting intermediate results or tracing the program execution to perform analysis such as runtime behavior or code coverage without adding additional instrumentation to the code or stopping the SoC. This is the only way to provide 100% guarantee that the original code is tested and will run correctly. The partnership between the two companies allows customers to efficiently debug and trace different virtual machines running on one SoC by identifying the required source code and the corresponding variables and allowing the user to switch between the virtual machines at will.

OpenSynergy's CEO Regis Adjamah: "We are excited to have Lauterbach as part of the COQOS ecosystem. It's an important element allowing our customers for an easy analysis and optimization of their virtualized systems. Development control is now just as easy and reliable as it was on native systems."

"We are proud to announce our partnership with OpenSynergy for their COQOS hypervisors as they enable highly integrated embedded systems but also add another level of complexity. The TRACE32 awareness simplifies the use of debug and trace tools to customers and therefore provides efficient error handling and analysis of the guest virtual machines," says Norbert Weiß, Managing Director of Lauterbach Germany.

Developers using TRACE32 can access OpenSynergy's COQOS awareness upon request at no extra costs.

On the embedded world, Lauterbach's engineers will be available to answer your questions about the future support of OpenSynergy's hypervisors.

PRESS RELEASE

About OpenSynergy

OpenSynergy provides embedded software products for the next generation of vehicles. Its hypervisor and communication products pave the way for an integrated driving experience.

The automotive virtual platform COQOS Hypervisor SDK integrates a mix of real-time applications and open source solutions on powerful domain controllers. It supports a large bundle of features corresponding to the virtualization standard VIRTIO, creating maximum flexibility: guest operating systems can be used and reused on different Systems on Chips. OpenSynergy cooperates with the primary Operating System (OS) providers to ensure that Android, AGL, AliOS, and other OS are entirely supported.

The automotive leading Bluetooth® stack Blue SDK is one of OpenSynergy's communications platforms. It is the reference Bluetooth® implementation for many OEMs around the world. The variant Blue SDK Fusion offers a reliable Automotive-Grade Bluetooth stack for Android™ Automotive OS.

OpenSynergy further provides complimentary Automotive-Grade software components tailored for the Android Open Source Project (AOSP) to boost Android's adoption in the automotive domain.

OpenSynergy also provides engineering services to support the customization of its products.

Read more on www.opensynergy.com

Contact:

OpenSynergy GmbH

Sabine Mutumba
Director of Marketing

Rotherstr. 20
D-10245 Berlin
Tel.: +49 (0)30.60 98 540-41
Email: marketing@opensynergy.com

PRESS RELEASE

About LAUTERBACH

Lauterbach is the leading manufacturer of complete, modular and upgradeable microprocessor development tools worldwide with experience in the field of embedded designs since 1979. It is an international, well-established company with blue chip customers in every corner of the globe and has a close working relationship with many different semiconductor manufacturers. At the headquarters in Höhenkirchen, near Munich, the engineering team develops and produces sophisticated and specialized Development Tools, which are utilized all over the world under the brand TRACE32. Our branch offices exist in the United Kingdom, Italy, France, Tunisia, on the east and west coasts of the United States, Japan and China. Highly qualified sales and support engineers are also available in many other countries.

For more information visit <http://www.lauterbach.com>.

Contact:

Lauterbach GmbH

Evi Ederer
Marketing
Public Relations

Email: communications@lauterbach.com
tel: +49 8102 9876-182

PRESS RELEASE