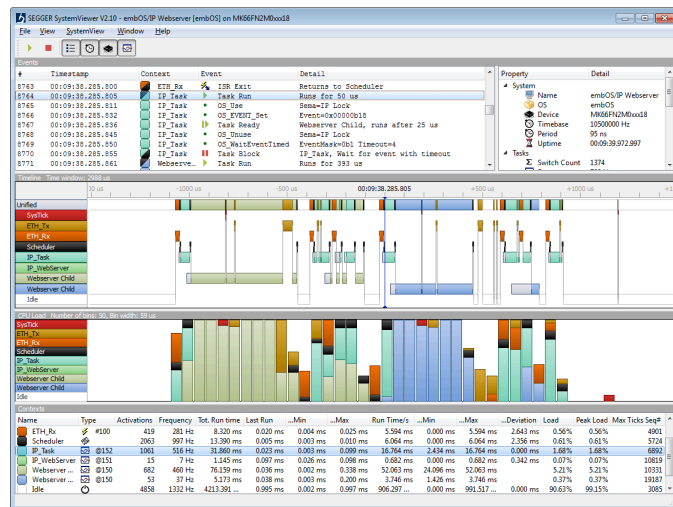


SystemView: Maximum insight with free real-time analysis tool

Hilden, Germany – November 6th, 2015

SEGGER is announcing the release of SystemView, a free tool enabling the visual analysis of any embedded system. SystemView gives complete insight into the behavior of a program, with minimal side effects on the observed embedded system.

SystemView offers cycle accurate tracing of interrupts and task start stop as well as task activation and API calls when an RTOS is used. It visualizes and analyzes CPU load by task and interrupts and scheduler. Test setups with LED and oscilloscope are a thing of the past.



Using SEGGER's J-Link debug probe with SystemView gives the ultimate advantage of streaming data transfer: Unlimited recording capacity and analysis in real-time, working as a live software oscilloscope. This is a great means to gain a deep understanding of the runtime behavior of an application. Real-time analysis is particularly beneficial when developing and working in complex systems with multiple threads and events, and also in bare-metal systems without any RTOS.

In order to ensure real-time delivery of data and minimal intrusiveness on the system – that means less than 1 μ s overhead per call on a 200 MHz Cortex-M System - SystemView makes use of SEGGER's unique Real-Time Transfer (RTT) technology. RTT enables up to 2 Mbyte per second data transfer for continuous extraction of real-time data, requiring no hardware but a J-Link and the standard debug interface.

SystemView records the data retrieved from the target and visualizes the result in different ways. Data recordings can also be saved for later documentation and analysis. Evaluating a system this way is extremely helpful in finding and eliminating problems or simply optimizing the system. It is an essential part of quality management in any professional software development.

SystemView interacts seamlessly with SEGGER's RTOS embOS, which already includes the instrumentation to call the recording functions. SystemView does not require any OS at all.

For further information on SystemView and the functionality of the different modules in the package, please visit <https://www.segger.com/systemview.html>. SystemView can be downloaded here, too.

About J-Link

The SEGGER J-Link is the most popular family of debug probes on the market. It is tool chain independent and works with free GDB-based tool chains as well as commercial IDEs. With the J-Link family, investments in the debug probe are preserved when changing compiler or even CPU architecture.

J-Link supports multiple CPU families; there is no need to buy a new J-Link or new license when switching to a different yet supported CPU family or tool-chain. All J-



Links are fully compatible to each other, so an upgrade from a lower-end model to a higher-end model is a matter of a simple plug-and-play.

Full product specifications are available at: <http://segger.com/jlink.html>

The J-Link-Software is available at: www.segger.com/download_jlink.html

###

About SEGGER

SEGGER Microcontroller develops and distributes hardware and software development tools as well as software components for embedded systems. An "embedded system" is one in which a microprocessor and associated components are incorporated into a device helping to accomplish difficult and complex tasks in products such as cell phones, medical instruments, instrument clusters, measurement instruments, satellite radios, digital cameras etc.

SEGGER was founded in 1997, is privately held, and is growing steadily. Based in Hilden with distributors in all continents and a local office in Massachusetts, SEGGER offers its full product range worldwide.

SEGGER software products include: embOS (RTOS), emWin (GUI), emFile (File System), emUSB (USB host and device stack) and embOS/IP (TCP/IP stack). With emSecure, a unique software to generate and verify digital signatures, and the TLS-solution emSSL, SEGGER is also offering software for the growing field of data and product security.

With the experience in programming efficiently on embedded systems, SEGGER created highly integrated, cost-effective programming and development tools, such as the Flasher (stand-alone flash programmer) and the industry leading J-Link/J-Trace emulator.

SEGGER cuts software development time for embedded applications by offering affordable, high quality, flexible and easy-to-use tools and software components allowing developers to focus on their applications. Find out more at www.segger.com.

Contact information:

Dirk Akemann
Marketing Manager
Tel: +49-2103-2878-0
E-mail: info@segger.com

Issued on behalf of:

SEGGER Microcontroller GmbH & Co. KG
In den Weiden 11
40721 Hilden
Germany
www.segger.com

SEGGER Microcontroller Systems LLC
106 Front Street
Winchendon, MA 01475
United States of America
www.segger-us.com

All product and company names mentioned herein are the trademarks of their respective owners. All references are made only for explanation and to the owner's benefit.