SEGGER introduces Device Provisioner for target device configuration

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SEGGER announces the Device Provisioner for its Flasher family of in-circuit programmers and its J-Link and J-Trace family of market-leading debug and trace probes.

Modern chips require an increasing level of customer- and device-specific configuration. The driving force is security, especially as more and more devices connect to the Internet. Unfortunately, there is no industry standard for provisioning device security and configuration. Options differ from one silicon vendor to the next, even from device to device, and they keep evolving, making a flexible tool necessary.

The Device Provisioner is a command-line tool that offers the utmost in flexibility, enabling users to customize their own device provisioning, including (but not limited to) conditioning, programming (including special areas), downloading of certificates, serial number assignment, locking and unlocking as well as security activation and TrustZone®/partitioning configuration. Users can also enable or disable debugging, set fuses, program option bytes and flash, or anything else that the target requires.

“The Device Provisioner is a masterpiece of software engineering,” says Rolf Segger, founder of SEGGER. “It can do anything that any device needs done. It has a built-in C compiler and full access to all interfaces and all functions offered by J-Link and Flasher, including fully user-programmable interface coprocessors to cover existing and any future on-the-wire protocols. With all this, I think it might be the most universal tool in the history of embedded systems. I am extremely proud of our engineers – they’ve really outdone themselves on this one.”

The Device Provisioner executes commands from a script written in the C language that can be provided by SEGGER, the silicon vendor, or written by the users themselves.

The Device Provisioner comes as part of the software package for both the J-Link and Flasher family of products. Script files can be executed on J-Links and Flasher while connected to a host PC, as well as executed by Flasher in stand-alone mode.
Script files can be distributed in source code or in pre-compiled form to protect the IP.

With SEGGER production programmers and debug probes, users are ready today for the challenges of tomorrow!

For more information, please visit the Device Provisioner page at www.segger.com.

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About SEGGER

SEGGER Microcontroller GmbH, founded in 1992, has over three decades of experience in embedded systems, producing cutting-edge RTOS and software libraries, J-Link and J-Trace debug and trace probes, a line of Flasher in-system programmers and software development tools.

SEGGER's all-in-one solution emPower OS provides an RTOS plus a complete spectrum of software libraries including communication, security, data compression and storage, user interface software and more. Using emPower OS gives developers a head start, benefiting from decades of experience in the industry.

SEGGER's professional embedded development software and tools are simple in design, optimized for embedded systems, and support the entire embedded system development process through affordable, high-quality, flexible and easy-to-use tools.

SEGGER, with headquarters in Germany, also has a U.S. office in the Boston area and branch operations in Silicon Valley, Shanghai, and the UK, plus distributors on most continents, making SEGGER's full product range available worldwide.

For more information on SEGGER, please visit www.segger.com.

Why SEGGER?

In short, SEGGER has a full set of tools for embedded systems, offers support through the entire development process, and has decades of experience as the Embedded Experts.

In addition, SEGGER software is not covered by an open-source or required-attribution license and can be integrated in any commercial or proprietary product, without the obligation to disclose the combined source.

Finally, SEGGER offers stability in an often volatile industry, making SEGGER a very reliable partner for long-term relationships.

For additional information please visit www.segger.com.

Contact information:

Dirk Akemann
Marketing Manager
Tel: +49-2173-99312-0
E-mail: info@segger.com

Issued on behalf of:

SEGGER
Microcontroller GmbH
Ecolab-Allee 5
40789 Monheim am Rhein
Germany
www.segger.com

SEGGER
Microcontroller Systems LLC
Boston area
101 Suffolk Lane
Gardner, MA 01440
United States of America

Silicon Valley
Milpitas, CA 95035, USA
United States of America
www.segger.com

SEGGER
Microcontroller China Co., Ltd.
Room 218, Block A,
Dahongqiaoguoji
No. 133 Xiulian Road
Minhang District, Shanghai 201199
China
www.segger.cn