

Atollic release new professional C/C++ development tools for STM32

JÖNKÖPING, Sweden – April 21, 2010 - Atollic today announced the world-wide release of Atollic TrueSTUDIO®/STM32 v1.3.0, an upgrade to its highly integrated and cost-effective professional C/C++ development tools for the STM32 devices from STMicroelectronics.

Atollic TrueSTUDIO® is the premier development tool for professional STM32 development, and is already used by thousands of STM32 developers world-wide. Major new features in the new release include:

- Parallel compilation reduce build times
- Multiprocessor debugging
- A completely redesigned debug configuration & launching system simplify for users
- Support for debugger script programs and breakpoint event handler scripts
- Support for STM32 ValueLine devices
- Support for many additional STM32 evaluation boards
- Aircraft-grade (MC/DC-level) code coverage analysis
- Many additional IDE features
- Integration with more bug database systems

Atollic TrueSTUDIO® is based on the ECLIPSE™ IDE framework, and include a C/C++ compiler and debugger for the ARM cores, as well as a C/C++ compiler and debugger for Windows PC's.

“With Atollic TrueSTUDIO, professional STM32 developers can increase their efficiency to a completely new level” says Magnus Unemyr, Vice President of Sales & Marketing at Atollic and adds that *“Atollic TrueSTUDIO includes an unprecedented feature-set with unrivalled integration”*.

Atollic TrueSTUDIO® is designed for quick startup and maximum productivity. A target specific project wizard generates embedded projects automatically, with dynamic adaptations for the board or microcontroller derivative to be used. A full device driver library is generated automatically as well.

Modern software engineering practices promote testing algorithms in isolation from other factors such as the embedded hardware platform. Additionally, developers may want to do preliminary development in a familiar environment before embedded hardware is designed and debugged. For this reason, Atollic TrueSTUDIO® contains both an ARM compiler and debugger, as well as an x86 compiler and debugger. Developers can do initial development and testing in a familiar PC environment before moving code modules onto the embedded system.

On-target debugging is a critical factor in embedded development. The built-in debugger in Atollic TrueSTUDIO® contains all execution control features expected, from a contemporary state-of-the-art solution with features such as complex code and data breakpoints, browsing of complex data types, register visualization etc. For maximum flexibility, Atollic TrueSTUDIO® supports JTAG debug probes from many third party suppliers. Starting with the new release, Atollic TrueSTUDIO® fully supports multiprocessor debugging and scripting of advanced debugging tasks as well.

Atollic TrueSTUDIO® has been designed from the ground up to support multi-developer, multi-site team collaboration. Atollic TrueSTUDIO® seamlessly integrates GUI clients for many popular version control systems and bug database systems. Most version control system features can be accessed right from inside the C/C++ environment. In a similar manner, GUI clients for many different bug databases (such as Trac, Bugzilla, Mantis, and JIRA) are fully integrated into the C/C++ IDE. Furthermore, Atollic TrueSTUDIO® is the first embedded systems development tool to integrate features for source code review & code review meetings.

Atollic TrueSTUDIO® is different from other C/C++ IDEs because it supports end-to-end applications development rather than just the code development portion. Atollic TrueSTUDIO® incorporates requirements capture, design, architecture and documentation using the UML modeling language directly into the IDE. Atollic TrueSTUDIO® includes a number of highly integrated graphical diagram editors for most of the UML diagram types, such as class diagrams, state-machine diagrams, message sequence charts, etc. Both static structure and dynamic behavior can thus be modeled graphically using Atollic TrueSTUDIO®.

A free Lite version is available for download from the Atollic website (www.atollic.com). The Lite version includes a powerful IDE as well as build and debug tools for the ARM devices. Furthermore, the free Lite version have no code-size limitation or usage-time limitation, and is thus a zero-cost starting point for professional STM32 development. Video tutorials covering the usage of the products are available at the Atollic website as well.

About Atollic

Atollic provides professional and highly integrated software development tools to the global embedded systems market. Atollic cooperate with many of the world's largest semiconductor manufacturers and have many other partners in related fields. The company's products are distributed via an extensive international distributor network in over 30 countries. Atollic also offers expert software development services, primarily in the Automotive, Aerospace, Defense, Industrial and Consumer markets. For more information on Atollic, please visit www.atollic.com.

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