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The world deserves better embedded software!



TrueSTUDIO® for ARM®

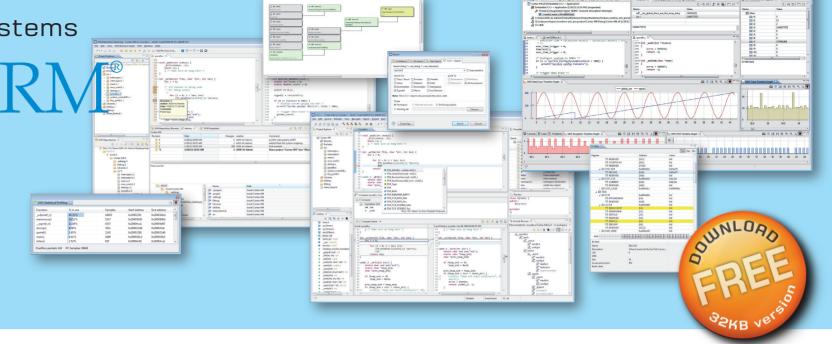
A powerful C/C++ IDE for professional developers

A complete set of world-class tools for development and testing of embedded systems

TrueSTUDIO® for ARN

Atollic TrueSTUDIO® is the premier C/C++ development tool for embedded systems design, thanks to its unrivaled feature set and unprecedented integration. Atollic TrueSTUDIO arms you with tools to enhance software implementation efficiency, team collaboration and code quality. Excellent target support, a highly optimizing compiler and a state-of-the-art debugger truly positions Atollic TrueSTUDIO as the IDE of choice for professional developers.

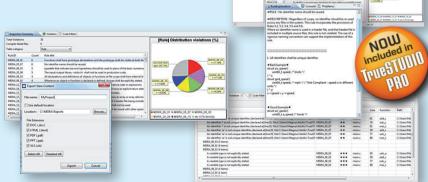
Shorten your time to market and shrink development costs by deploying Atollic TrueSTUDIO in your next embedded project!



Ensure coding standards compliance with code inspection!

TrueINSPECTOR® for ARM®

Atollic TrueINSPECTOR® improves your software quality by performing static source code analysis. Atollic TrueINSPECTOR automatically detects potential coding problems and guides you on compliance with "best-practice" coding standards, enabling you to develop a higher quality product in reduced time. Atollic TrueINSPECTOR also performs code quality reviews, generating reports listing quality metrics, including code complexity measurement.



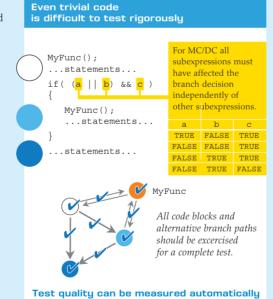
SUMMARY - Static source code inspection		
What is it?	Static source code inspection is the process of analysing the source code of a program, in order to find potential problems automatically. Code metrics and code complexity analysis are often included.	
Why do it?	By performing static source code inspection, development, testing and maintenance costs are reduced, and software quality is improved.	
How does it work?	A tool build a parsing tree of the application, analyze the meaning of the code, and verify the code constructs using rules from a coding standard database. Code metrics and complexity measurements are gathered during this process.	

Measure test quality with dynamic execution flow analysis!

TrueANALYZER® for ARM®

Atollic TrueANALYZER® ensures test confidence by measuring test quality and performing in-target verification using dynamic execution-flow analysis to guarantee rigorous coverage measurement. Atollic TrueANALYZER supports different strengths of coverage analysis, even up to Modified Condition/Decision Coverage (MC/DC) level, which for example is required for the majority of safety-critical aircraft software.





with dynamic execution flow analysis.

SUMMARY - Gode coverage analysis What is it? Code coverage analysis gives information on what parts of a program have been executed during a test session. With knowledge on what execution paths have been exercised during test, you also know what parts of the program is untested and needs to be tested better. How does it work? A tool analyze an application, instrument it, and execute it with execution-path monitoring. Once a test session is completed, code coverage information is presented to the developer or tester.

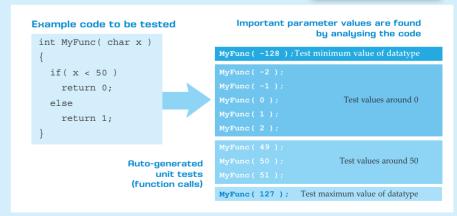
Get superior software quality with embedded test automation!

TrueVERIFIER® for ARM®

Atollic TrueVERIFIER® enables you to achieve the highest level of software quality with minimum effort through automated embedded testing; analyzing your source code, generating Unit Test suites and automatically running them in your target board. Assure software quality by deploying Atollic TrueVERIFIER in your product development!

SUMMARY - Test automation





What is it?	The means by which a software tool analyse the source code of a program, generates suitable test cases and run them automatically.
Why do it?	With auto-generated test cases, the source code and unit tests are always synchronized, test cases cover a much larger set of potential execution paths, and good testing becomes much easier and faster.
How does it work?	A tool analyze an application, generate test cases, and execute them with execution-path monitoring. Once a test session is completed, test results and test coverage information is presented to the developer or tester.

Multiply your development power with TrueSTUDIO!

Feature highlights

- Simplified and improved Eclipse IDE available in English, Japanese, Korean and Chinese languages.
- Excellent multi-monitor support for power-users.
- ARM® C/C++ build and debug tools for target development.
- x86 C/C++ build and debug tools for host PC development.
- Parallel compilation reduces build times.
- MISRA-C checker with rich presentation GUI.
- Code complexity analysis and other code metrics.
- Source code review & code review meeting features.
- Version control system GUI clients (GIT, SVN, CVS).
- Bug database GUI clients (Trac, Mantis, Bugzilla).
- Multi-processor and multi-core debugging.
- "Live variable watch" view display real-time updated variable values during full-speed target execution.
- SWV event and data tracing (system analysis, profiling and real-time tracing with live graphs).
- ITM software tracing and printf redirection.
- ETM/ETB instruction tracing records execution history.
- Cortex-M crash analyzer visualizes why the MCU was brought into a fault state and where it happened.
- Kernel aware debugger supports most popular RTOS'es.
- Over 1000 free example projects can be downloaded with one mouse-click from our cloud-based TrueSTORE®.

Target support

- Cortex-M0
- Cortex-M0+
- Cortex-M1
- Cortex-M3
- Cortex-M4
- Cortex-R4
- Cortex-R5
- Cortex-R7
- Cortex-A5
- Cortex-A7
- Cortex-A8
- Cortex-A9
- Cortex-A12
- Cortex-A15
- ARM7TDMI
- ARM7TDMI-S
- ARM9
- ARM920T
- ARM922T
- ARM926EJ-S
- ARM946E-S
- ARM966E-S
- ARM968E-S
- Dual-core support



Atollic is a privately held software design centre dedicated to the success of our clients. We provide a wide range of products, development tools and expert services. Our products are innovative, interoperable, highly integrated and easy to use.

The company has offices in Europe and the United States. We operate globally on the embedded systems and technical software market.

