



Atollic release Atollic TrueVERIFIER for embedded test automation

Jonkoping (Sweden), 18th of January 2011 – Atollic AB today announced the release of Atollic TrueVERIFIER™, a new tool for professional test automation of embedded systems.

Atollic TrueVERIFIER™ automatically generates unit tests and downloads them to the target board for execution. By deploying test automation, embedded systems software can be released with higher quality, with less time and money spent on writing test cases, debugging and maintenance.

Atollic TrueVERIFIER™ analyses the source code of the embedded systems project, and generate a large number of suitable unit tests automatically. The generated unit tests drive as many combinations of execution paths as possible in the code to be tested.

As the unit tests are auto-generated, they can easily be kept in synchronization with the source code and are automatically updated as the source code is extended. Keeping manually written unit tests updated as the source code is extended is a big challenge to many projects. Furthermore, the tedious work of identifying what unit tests is needed, as well as writing, building and maintaining them is completely removed when using Atollic TrueVERIFIER™.

Once the unit tests have been generated, they are automatically compiled and downloaded to the target board using a standard JTAG probe. Atollic TrueVERIFIER™ executes the tests with full execution-path monitoring in the target board, enabling coverage analysis.

Atollic TrueVERIFIER™ performs Block coverage, Branch coverage and Modified condition/decision coverage (MC/DC) analysis during test execution. MC/DC-level testing is required for many types of safety-critical software. For example, RTCA DO-178B requires testing on MC/DC-level for the most safety-critical of aircraft software (“Level-A”).

Once the tests have been completed, test results and test coverage data is uploaded to Atollic TrueVERIFIER™ for visualization and analysis.

Atollic TrueVERIFIER™ integrates seamlessly into the Atollic TrueSTUDIO® C/C++ IDE, thus creating a highly efficient development environment for embedded developers. Additionally, Atollic TrueVERIFIER™ works with in parallel with the Atollic TrueINSPECTOR® (static source code analysis) and Atollic TrueANALYZER® (dynamic code analysis) products.

All-in-all, the Atollic products offer powerful solutions for embedded development, with an unrivalled feature-set and unprecedented integration. With the new products for code quality analysis and test automation, embedded developers get a uniquely powerful arsenal of tools to succeed with the most complex of projects.

For more information about Atollic products, visit www.atollic.com.

About Atollic

Atollic provides professional and highly integrated software development and testing tools to the global embedded systems market. Atollic cooperates with many of the world's largest semiconductor manufacturers and has many 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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