



Atollic release Atollic TrueINSPECTOR for static source code analysis of embedded systems

Jonkoping (Sweden), 18th of January 2011 – Atollic AB today announced the release of Atollic TrueINSPECTOR®, a new tool for professional source code analysis of embedded systems software.

Atollic TrueINSPECTOR® provides static source code inspection. The source code is validated against a database of formal coding standards, and coding constructs that are known to be error-prone are detected automatically.

Atollic TrueINSPECTOR® supports the MISRA®-C:2004 coding standard, an embedded systems coding standard from the automotive industry that promotes reliability, safety, maintainability and portability. By adhering to the MISRA®-C:2004 coding standard, embedded software can be expected to be of higher quality, as well as easier to maintain and port to new hardware platforms. This in turn reduces the development and maintenance cost of the software over its lifecycle.

Atollic TrueINSPECTOR® provides an overview of inspection results, both with statistics in sorted text format and visualized as graphical charts. Actual rule violations are listed in a violations view, with hypertext links to offending source code lines in the editor. Finally, a rule description view explains the details of specific coding standard rules, including example of bad coding style that triggers the violation, and an example of good coding style that resolves it.

Atollic TrueINSPECTOR® also provides software metrics (statistics) over the source code on module, file and function level. In particular, Atollic TrueINSPECTOR® provides code complexity measurements, which can be used to identify and rewrite complex code sections into simpler programming style. This reduces the likelihood of software errors and simplifies maintenance too.

Analysis results can be exported in many formats. Atollic TrueINSPECTOR® can generate reports in HTML, PDF, Microsoft® Word®, Microsoft® Excel® and Microsoft® PowerPoint® formats.

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