

Overview#

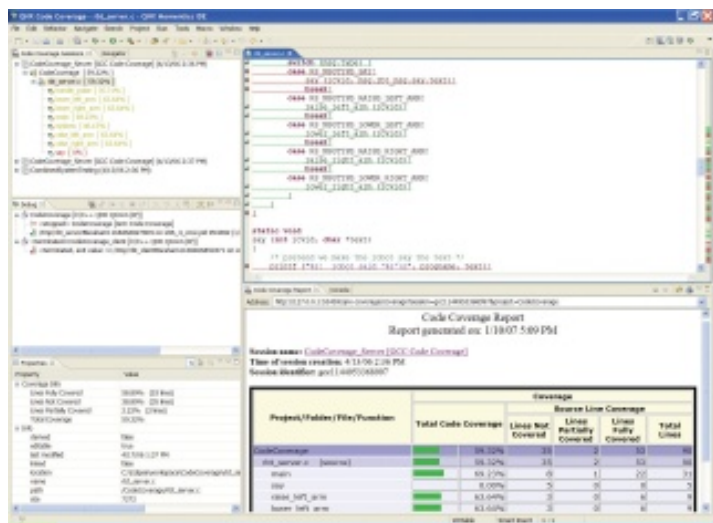
The QNX Momentics Code Coverage tool is an analysis tool for measuring the amount of code executed from a running process, or from the GCC coverage data files after a process exits. The Code Coverage tool identifies areas of the code that have not been exercised during testing, allowing further action to be taken, such as modifying the test suite to ensure complete test coverage, or to determine whether the code is no longer required.

Since the Code Coverage tool is fully integrated with the IDE, developers can perform testing, optimization, and quality assurance with much less effort.

Code coverage is an essential tool for environments where testing, bug fixing, and software maintenance are handled by separate groups, who may not be involved in the original code development. Code coverage has many xxx features.

Features#

- Launch an application with Code Coverage enabled, and you can immediately start monitoring the application
- View live results of the coverage process, down to the individual source line
- Use the code editor to see - at a glance - only those source lines that have, or have not been, covered
- View the progression of Code Coverage over several application runs
- Generating reports for additional analysis (HTML and XML)



The screenshot displays the QNX Code Coverage tool interface. The top window shows a code editor with several lines of code, some of which are highlighted in green, indicating they have been covered. Below the code editor, a 'Code Coverage Report' window is visible, showing a table with columns for 'Project/Module/Files/Function', 'Total Code Coverage', and 'Source Line Coverage'. The table lists various files and their coverage percentages. For example, 'CodeCoverage_Sources [GCC Code Coverage]' has a total code coverage of 98.54% and a source line coverage of 98.54%.

Project/Module/Files/Function	Total Code Coverage	Source Line Coverage	Line Num. Covered	Line Num. Covered	Total Lines
CodeCoverage_Sources [GCC Code Coverage]	98.54%	98.54%	34	34	34
CodeCoverage_Sources [GCC Code Coverage]	98.54%	98.54%	2	2	2
CodeCoverage_Sources [GCC Code Coverage]	98.54%	98.54%	1	1	1
CodeCoverage_Sources [GCC Code Coverage]	98.54%	98.54%	3	3	3
CodeCoverage_Sources [GCC Code Coverage]	98.54%	98.54%	3	3	3
CodeCoverage_Sources [GCC Code Coverage]	98.54%	98.54%	3	3	3
CodeCoverage_Sources [GCC Code Coverage]	98.54%	98.54%	3	3	3

[Click to enlarge](#)

Resources#

- Presentation: [Code Coverage Tech Talk](#)
- User Guide: [Using Code Coverage](#)