Compared!

Testwell CTC++ vs. gcov

Testwell CTC++ is a Code Coverage Analyzer for C, C++, Java and C# provided by Verifysoft, combined with qualified support, technical consulting, training and a user-oriented Web Help.

gcov is an open-source Coverage Analyzer for C and C++, coming with the GNU Compiler Collection (GCC).

Feature Comparison

	Testwell CTC++	gcov
Coverage Levels	Function Statement & Line Decision/ Branch Condition MC/DC Multicondition	Line Branch (refers to binary code branches)
Instrumentation	Source Code	Binary Code
Reporting	Reports for original source code the developer knows – by design.	Mapping between binary branches and original source code is difficult to understand.
Languages	C, C++, Java, C#	C and C++
Compilers	**Independence** All compilers and cross compilers No adaption of compiler settings	**Strong dependency** gcc-family Optimization shall be turned off
Safety critical development	Qualification Kit available. Support and consulting by Verifysoft and partners.	Without special support. No higher coverage levels, especially no MC/DC.