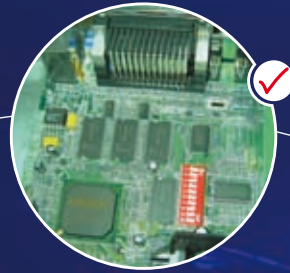
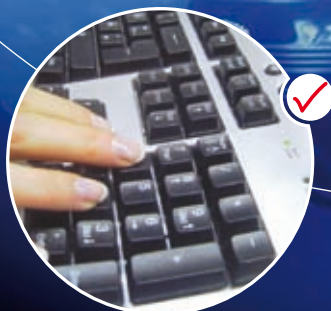


Verifysoft TECHNOLOGY



Software Testing Solutions for Productivity & Quality

- automatic test generation
- static code analysis
- complexity measures
- code coverage



CONFORMIQ

Automated Test Design™

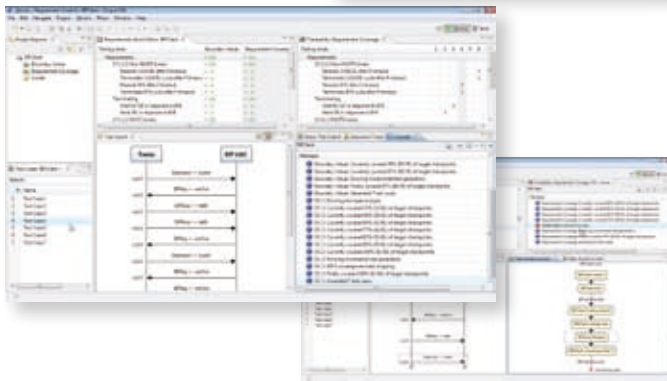
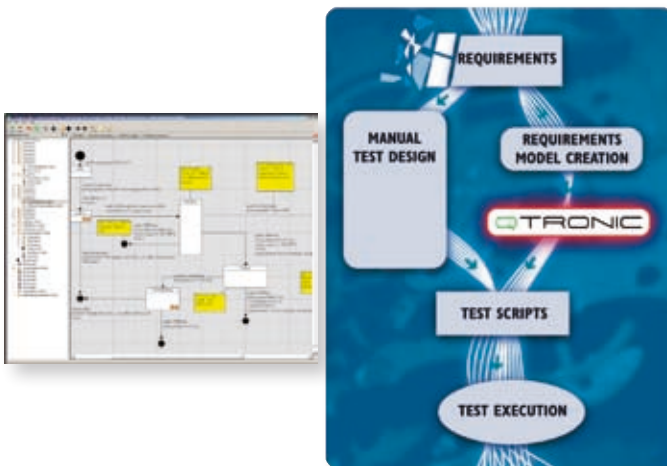
Conformiq Qtronic™

Model-Based Automated Test Design

Available for Windows and Linux.



Conformiq Qtronic™ is an Eclipse®-based tool to automate the design of functional tests for software and systems. Conformiq Qtronic generates software tests from high-level system models without user intervention, complete with test plan documentation and executable test scripts in industry standard formats. Conformiq Qtronic successfully transitions customers from manual test design methods, enabling them to enjoy the benefits of automated test design.



Features

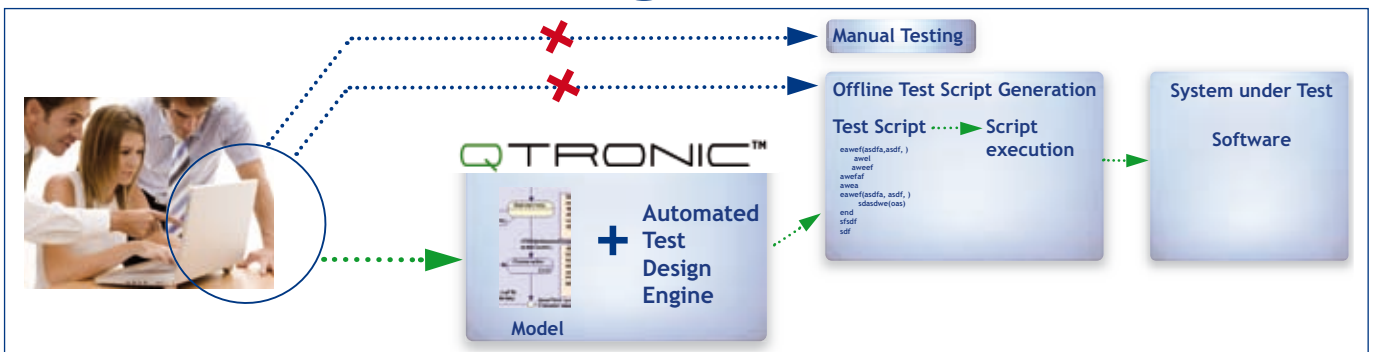
- > Automatic test case generation
- > Calculates and generates test data
- > Test results evaluation
- > Ease of model import, either graphical or textual
- > Start with a simple model and build as you progress
- > Traceability and coverage information
- > Eclipse based working environment
- > Plug-ins and open APIs
- > Full support for timing, data and concurrency
- > Supports Java/C#-like modeling syntax and UML
- > Test scripts in TTCN-3, TCL, Java, C++, XML, Python and other formats of your choice
- > Light weight modeling tool Conformiq Modeler included
- > Ease of integration with existing design modeling and test automation tools

Application Areas

- > Functional, System and Acceptance Testing
- > Integration Testing (simulation of parts of a system)

Benefits

- > Faster Test Design
- > Higher Test Quality
- > Better Test Coverage
- > Easier Test Maintenance
- > More Test Reuse
- > Higher Productivity



Testwell

All Testwell tools are available for Windows, Linux, Solaris and HP-UX.

Testwell CTC++ Test Coverage Analyzer for C/C++ CTC++ for Java and C# add-on

Code Coverage for all coverage levels - programming languages: C, C++, C# and Java



Testwell CTC++ is a powerful and easy to use Code/Test Coverage Tool which shows the parts of the code which have been executed (tested). The tool analyses for all coverage levels as required in "critical" projects, and helps to obtain certifications, i.e. DO178-B.
CTC++ for Java and C# add-on is a product which extends the usage of CTC++ to Java and C#.

Code Coverage for all coverage levels

- > Function Coverage
 - can be used for all - even smallest - embedded targets
- > Decision Coverage
 - works with almost any compiler
- > Condition / Branch Coverage
 - very low overhead on the size and execution speed
- > Multicondition Coverage
 - intuitive and easy to use
- > Modified Condition / Decision Coverage (MC/DC)
 - integration with many IDEs
 - Outputs in text and HTML (Execution Profil, Untested Code, various Coverage Level reports, Coverage Summary, Execution Time)

CTC++ Test Coverage Report

Symbol file(s) : C:\Program Files\Microsoft V...
Data file(s) : C:\Program Files\Microsoft V...
Listing produced at : Thu Nov 04 17:22:49 2009
Coverage view : Multicondition (where instru...
Threshold present : 73 %

Overall / Files Section

TER %	hits/ all	File
94 %	127 / 136	Cube.cpp
93 %	147 / 159	Calculator.cpp
82 %	157 / 194	Calculator.cpp
87 %	307 / 355	Mainfrm.cpp
100 %	0 / 0	Sdofas.cpp
89 %	186 / 210	OVERALL

File: Mainfrm.cpp

TER %	hits/ all	Function
100 %	2 / 2	CMainFrame::CMainFrame()
100 %	2 / 2	CMainFrame::GetBaseClass()
100 %	2 / 2	CMainFrame::GetParentFrame()
100 %	2 / 2	CMainFrame::GetBaseMessageMap()
100 %	2 / 2	CMainFrame::GetFrameCaption()
100 %	2 / 2	CMainFrame::CMainFrame()
100 %	2 / 2	CMainFrame::~CMainFrame()
100 %	2 / 2	CMainFrame::OnCreate()
100 %	2 / 2	CMainFrame::OnClose()
100 %	2 / 2	CMainFrame::OnDestroy()
100 %	2 / 2	CMainFrame::OnPaint()
100 %	2 / 2	CMainFrame::OnSize()
100 %	2 / 2	CMainFrame::OnIdle()
100 %	2 / 2	CMainFrame::OnKeyUp()
100 %	2 / 2	CMainFrame::OnKeyDown()
100 %	2 / 2	CMainFrame::OnChar()
100 %	2 / 2	CMainFrame::OnCommand()
100 %	2 / 2	CMainFrame::OnQueryOpenPalette()
100 %	2 / 2	CMainFrame::OnCommand()

File: Sdofas.cpp

```
9 0 4 int is_prime(unsigned val)
5 {
7   unsigned divisor;
8   if (val == 1 || val == 2 || val == 3)
9     return 1;
10  if (val % 2 == 0)
11    return 0;
12  for (divisor = 3; divisor < val / 2; divisor += 2)
13    if (val % divisor == 0)
14      return 0;
15  }
16 }
```

TER % - covered/all	File
100 % 6/6	prime.c
80 % 4/5	io.c
82 % 14/17	calc.c
86 % 24/28	overall

Number of monitored source files : 3
Number of source lines : 59
Number of measurement points : 30
TER : 86 % (multicondition)

Testwell

All Testwell tools are available for Windows, Linux, Solaris and HP-UX.

Testwell CMT++ and CMTJava

Code Complexity Measurement Tools for C/C++ and Java

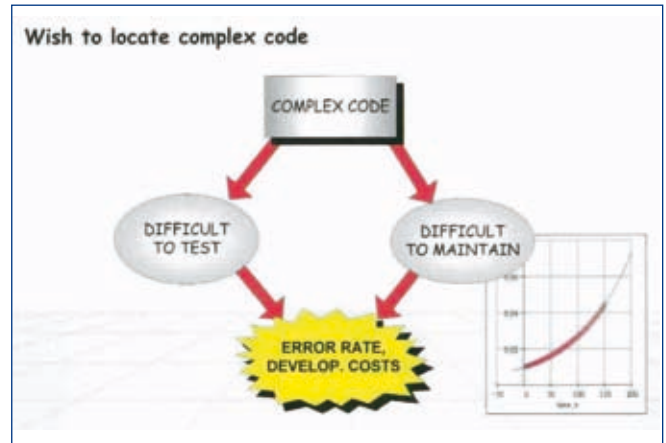


Testwell CMT++ and CMTJava are easy to use tools for checking the code complexity of C/C++ and Java projects. Testwell Code Complexity Measurement tools analyse even large code bases in a few minutes.

- > Code complexity correlates with the defect rate and robustness of the application
- > Complex code is difficult to test
 - > more errors in the final application
- > Complex code is difficult to maintain

Quick and easy code complexity checks with CMT++/ CMTJava

- > Lines of Code Metrics
- > Halstead Metrics
- > McCabe Cyclomatic Number
- > Maintainability Index



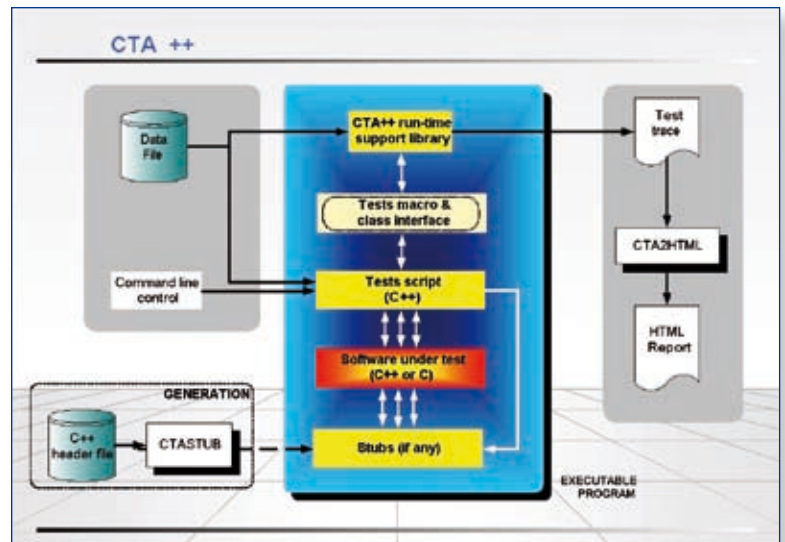
Testwell CTA++

C++ Test Aider



Testwell CTA++ is a Unit Test Tool for White Box Testing of C++ code. The tool allows for testing of individual software components in a “stand alone environment” immediately after coding.

- > “Test in isolation” - Use of stubs
- > Stub generation from header files
- > Testing “close to the error”
- > repeatable tests, regression testing
- > automatic test documentation



Verifysoft TECHNOLOGY

Our references



Global corporations, mid-sized players and small companies in more than ten European countries are using our tools to increase productivity and quality of their software development. Please contact us if you require further information or free trial software.



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About our company



Verifysoft Technology is a value-added reseller of software testing and analysis tools from leading software engineering companies such as Testwell and Conformiq Software.

We provide global corporations, mid-sized players and small companies with software testing tools, expert advice, support and customization services.

Our international team of experts provides advice and assistance to customers in more than ten European countries. Our engineers have extensive experience of software testing - and several tools were developed in close cooperation with Verifysoft Technology.

Verifysoft Technology GmbH was founded in 2003 by a group of private investors and software testing specialists. The company is based in Offenburg Technology Park, in south-west Germany, close to the French border.

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