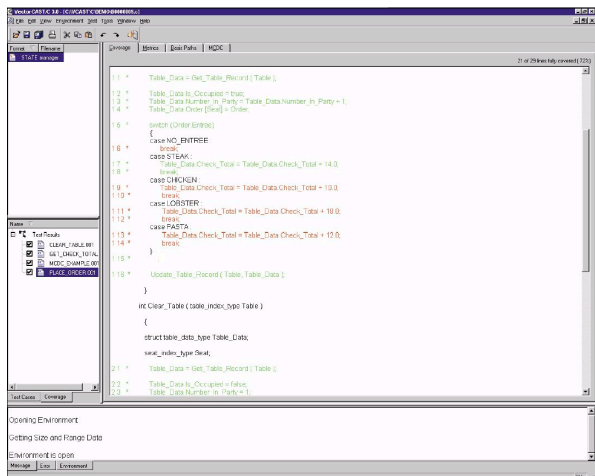




# VectorCAST/C



of your component testing by reporting on the source code statements or decision points exercised during individual or multiple test runs.

## Testing is Repeatable

Once test cases have been developed, VectorCAST/C can be used to automatically run these test cases against successive versions of the software as the code changes. The management of test execution and cataloguing of test results is automatic. Comparing results of the same test cases against new software versions, prior to system integration, will result in fewer surprises caused by “one small change” to a software component.

## Compiler Integration

VectorCAST/C is integrated with leading compilers allowing for seamless test activities. All of the VectorCAST/C generated test harness components are automatically compiled, linked, and can be executed under control of the debugger.

## How it Works

VectorCAST/C parses your source code and invokes code generators to automatically create the test code required to construct a complete executable test harness. Once the test harness is constructed, utilities are provided to build and execute test cases, show code covered, and report static measurements. As you use VectorCAST/C, all data input during an interactive session is captured for future automated regression testing.

## Integrated Code Coverage

Without a code coverage tool it is difficult to determine which portions of the source code have been exercised during testing. VectorCAST/C provides an integrated code coverage utility that allows you to gauge the effectiveness

## Product Features

- Access static functions and variables
- Allows dynamic memory allocation for pointer testing
- Test all data types
- pointers
- void pointers
- bit-fields
- structures
- double pointers
- multi-dimension arrays
- unions
- Graphical and script-based test case editing
- Flexible test harness creation: stubs can be created anywhere in calling hierarchy

## Embedded Target Testing

A version of VectorCAST/C is available to allow testing directly on your embedded target development system. VectorCAST/Target is integrated with your cross compiler and RTOS making it the perfect tool for testing real-time applications. Tests may be developed in a host environment and then re-executed on an embedded target to verify the target and cross-compiler performance.

To obtain more information, please contact Aonix at [www.aonix.com](http://www.aonix.com) or your local Aonix office.

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