

Integrated with leading Software Requirements Traceability tools including:

- > IBM Rational® DOORS®
- > IBM Rational® RequisitePro®
- > CSV
- > XML

VectorCAST/Requirements Gateway Traceability Between Software Requirements and Test Cases

<The Requirements Challenge>

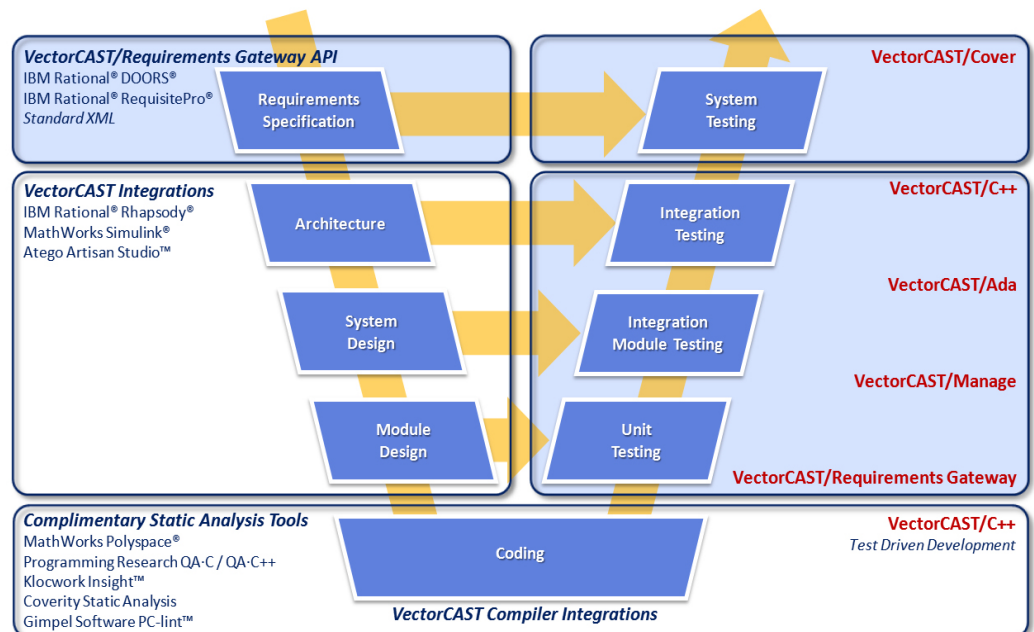
One of the great challenges of software validation is knowing when a software application has been tested enough. Achieving 100% code coverage and having 100% of the test cases passing is not a sufficient measure. The additional metric required proves that 100% of the software requirements have been tested and which test cases test those requirements.

The VectorCAST Requirements Gateway connects software requirements with test cases and code coverage with real-time traceability between all three.

<What is VectorCAST/Requirements Gateway>

The VectorCAST/Requirements Gateway permits the flow of data between a requirements management tool and the VectorCAST testing tools. Through a simple and intuitive interface, developers can quickly and easily link requirements to VectorCAST test cases.

Once test cases have been executed the traceability metrics can be viewed from within the VectorCAST framework or the requirements management tool. The user has full control over which VectorCAST attributes are passed back to the requirements database. Data such as the "Test Name", "Test Result" {Pass | Fail | none}, and test coverage percentage, can be linked to user chosen attributes in the requirements database.



VectorCAST Provides Test Case to Requirements Traceability

VectorCAST/Requirements Gateway

Product Features:

- > Import requirements database into VectorCAST
- > Tag requirements to test cases
- > Export VectorCAST attributes to requirements database
- > View test execution pass/fail status in the requirements database
- > Search for requirements with no test cases
- > Link test case attributes to requirements database attributes

