

VectorCAST/C/C++ Training Class Advanced Topics

Syllabus

Duration: 3 Days – Includes VectorCAST Training Core topics
Goal: Gain an extended understanding using advanced concepts

1 | Diagnostic & Debug Techniques

- > Environment build errors
- > Test execution problems

2 | Continuous Testing

- > Testing with multiple configurations
- > Change Based Testing
- > What needs to be put in CM

3 | Advanced User Code Techniques

- > Harness architecture overview
- > Combining Environment & Test Case User Code
- > Real World Examples

4 | Advanced Stubbing Techniques

- > Adding Dynamic Stub Behavior
- > Simulating External Behavior with Stubs

5 | Advanced C++ Classes Testing

- > Inheritance & polymorphism
- > Testing in-line functions
- > Testing abstract classes
- > Testing templates

6 | Creating Tests from CSV Data

- > How to setup maps etc
- > Options

7 | Advanced Code Coverage

- > Coverage by Analysis
- > Using Code Coverage to Debug

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8 | Probe Points

- > Accessing local statics
- > Testing difficult code

9 | Analytics

- > Starting and Running the server

10 | Requirements Gateway

- > Importing Requirements
- > Exporting Results

11 | Miscellaneous

- > Managing include files
- > Control flow testing
- > Target testing concepts
- > Auto test case generation
- > Error scenarios
- > Data and Control Coupling