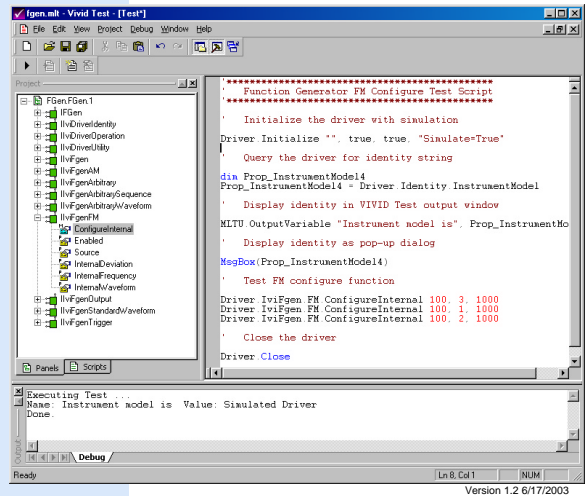




VIVID Test Utility

VIVID Test:

- Standalone Driver Unit Test
- Interactive, Graphic Test Utility For Methods and Properties
- Exercises Driver Without Client Program
- Simplifies White-Box and Black-Box Testing
- Creates VBScript Test Scripts
- Supports IVI Conformance Testing And Regression Testing



Overview

The VIVID Test utility validates your driver functions quickly and interactively, without requiring a client application. VIVID Test presents a graphic tree-view of your driver; you simply select a function from the tree-view and test it using interactive controls and indicators.

Standalone Driver Test and Validation

VIVID Test simplifies your white-box testing by providing a seamless way to exercise individual driver functions from an interactive application. VIVID Test invokes the driver through a special scripting interface, and then reports returned parameters and status. With VIVID test you can quickly execute a function to validate a program logic path, return to Visual C++ to make any required changes, then retest the function – all in a fraction of the time that would be required with a traditional test application.

VBScript Support Automates Testing

VIVID Test allows you to save function calls to a script file in VBScript format. These script files can be used within VIVID Test as initialization scripts to set your instrument into a known state before a test is run, or to return it to a known state post-execution. By combining multiple scripts, it is easy to build complex, full regression tests. You can even transfer the scripts to Visual Basic and compile them into stand-alone applications.

Black-box Testing Without Programming

Black box testing of your driver often involves a complex series of driver calls to perform a particular measurement. This series of calls usually involves specific domain expertise. Often, the needed expert is not a software developer. With VIVID Test, these domain experts can construct black-box test scripts -- without programming.