

The Comprehensive FIX Protocol Testing and Simulation System

AUTOMATE TESTING AND SIMULATE FIX COUNTERPARTIES

GENERATE COMPLEX TEST SCENARIOS IN A SIMULATED ENVIRONMENT

VeriFIX is a comprehensive FIX testing system that dramatically reduces costs associated with the development and deployment of FIX protocol-based systems. VeriFIX may be deployed in either a client or server mode, making it valuable to FCMs, trading firms, ECNs, ATSS, brokerage houses, ISVs, and exchanges. VeriFIX is a feature-rich functional and performance testing system that can run from either an interactive GUI mode or a command line-driven batch mode.

The VeriFIX GUI is designed for rapid execution of interactive tests. The main output window provides a log of inbound and outbound FIX messages with a user-defined color scheme. Users can drill down into the individual FIX messages to view each field or inquire into validation failures. Users can connect, disconnect, send messages, play scenarios, or view order history within the main window.

FIX protocol specifications can be adapted 4 different ways

- › Addition of custom fields
- › Modifications to validation specifications or existing fields
- › Addition of custom message types
- › Customization of conditional validation parameters

No programming is necessary to create scenarios using the VeriFIX scenario editor; anyone with a working knowledge of the FIX protocol can use VeriFIX to perform the following functions

- › Customize FIX protocol versions (optional)
- › Populate message templates
- › Create tests using the Scenario Editor
- › Configure a server/client session
- › Click Play to launch scenarios

WHY VERIFIX?

Accelerate application development and product deployment timelines

Enable multiple daily test cycles

Significantly reduce QA expenses

Easy use, quick deployment



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Robust conditional logic testing functions | New results verification module
Enhanced load and performance testing capabilities

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FEATURES

Conditional Logic

Load Testing

FIX Protocol Customization

Configurable Business-Level Validation

Buy/Sell Side Capabilities

Exchange Simulation

Negative/Positive Test Cases

Easy-to-Use Customizable Interface

Script Automation

Comprehensive Test Verification

FIX Log Import

XML-Based Rules Engine

Multi-Session Support

BENEFITS

VeriFIX's logic engine enables users to generate dynamic test cases capable of modifying behavior based upon inputs and outputs

High-performance message injection allows load testing between FIX counterparties

Customize a FIX dialect within minutes; standard FIX libraries are pre-loaded

Tailor message validation to any given business scenario

Deploy VeriFIX across multiple organizational departments and specializations

Rapidly deploy simulated exchange environments to test any FIX application

Run limitless test configurations through VeriFIX using any combination of characters and counterparty conditions

No programming necessary; anyone with a working knowledge of the FIX protocol can use VeriFIX

Incorporate tests into nightly builds using VeriFIX's command line script player

Drill down to the most granular detail of test results

Import logs to recreate production problems

Share tests with other VeriFIX users using any versioning source control system

Create test cases and control timing between multiple sessions within a single script

VERIFIX MAESTRO

When multiple parallel tests are required, VeriFIX Maestro is the solution. It enables remote access technology for large-scale performance testing needs.

ORDER MANAGER PLUG-IN

The Order Manager Plug-In is the ideal solution for firms who require advanced testing of order state transitions.

CMS ADAPTER

For firms who utilize both FIX and CMS, the CMS Adapter is available to consolidate testing efforts onto a single platform.

With the VeriFIX testing suite, users can realize dramatic efficiencies before going "live" with complex FIX deployments. By thoroughly testing the counterparty interfaces, protocol formats and the types of supported transactions, users can identify and fix potential problems before they occur in production. As a result, organizations benefit from shortened application development & integration timelines and reduced QA expenses.

