

Connect First 1.0

Exchange Simulator

HIGHLIGHTS

Connect First is an exchange simulator designed to meet the diverse requirements for testing front office applications. It can be used for manual and automatic testing of FIX engine order router order management system (OMS) and direct market access (DMA) applications. Furthermore, it can incorporate real time market data feed and hence be used for testing of algorithmic engine and direct strategy access (DSA) applications.

Connect First operates in three modes, Manual, Automatic and Market Simulation mode. In Manual mode, user has complete control over order execution (i.e., ack, reject and execute) from **Connect First** GUI. This mode is ideal for testing FIX and OMS functionalities. In Automatic mode, user configures auto-acknowledgement, rejection or execution based on a set of pre-defined rules. This enables continuous integration and automatic testing required in an agile development environment. In Market Simulation mode, **Connect First** builds an internal order book based on real time or replayed market data feed and executes incoming order accordingly. In addition, **Connect First** publishes out a market data feed reflecting the internal order book.

Connect First offers two sets of adaptors, one for order execution and the other for market data, for easy integration with existing application architecture. For example, a FIX adaptor is provided so that any FIX-compliant application can connect to **Connect First** without any code change. In addition, more specific adaptors can be built quickly for specific customer requirement, e.g. adaptor for GL Trade.

Connect First Features

Product Support

- Complete control of order execution life cycle via GUI
- Rule-based automatic order execution
- Market simulation based on real time or replayed market data
- Flexible order execution and market data interfaces support standard FIX and Reuters API, as well as on-demand development of custom-specific adaptors.
- Special focus on Asia Pacific markets such as TSE, HKSE and ASX.
- Support for different range of asset classes i.e. Equity, Futures, Options, Fixed Income, FX
- Multi Platform supports like Sun Solaris, HP-UX, UNIX, Linux and Windows

Deployment

- Flexible deployment configuration to meet different testing needs, i.e., manual, automatic, or market simulation
- On the fly re-configuration via web-based GUI

Performance and Scalability

- High performance to handle volume test for FIX DMA application
- In Market Simulation mode, simultaneously handles hundreds of active symbols

Administration and UI features

- *Web-Based* GUI control
- XML based configuration
- Real time performance monitoring and execution statistics

Interface and Integration

- Order execution interface with a standard FIX implementation
- Market data interface with Reuters adaptor provided

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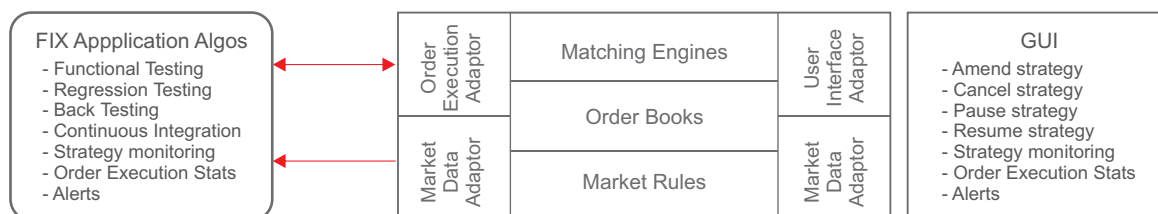
Key Differentiators

- Supports manual and automatic modes to suit different testing needs
- Market simulation that builds a order book based on real time market data and executes order accordingly and at the same time, emits the integrated market data back to the application
- Focus on Asia Pacific markets, especially TSE, HKSE and ASX
- Flexible order execution and market data adaptors for fast integration into existing applications as well as quick development of proprietary adaptors
- Web-based easy configuration and administration module – on-the-fly simulation behavior tuning
- High performance for volume and algo testing
- Multi platform support
- Support for different range of asset classes e.g. Equities, Futures, Options, Fixed Income and FX
- Local on-site tech support available
- Cost effective as compared to other commercially available products

Product Differentiators

Features	Connect First	Vendor 1	Vendor 2	Vendor 3	Exchange Test Session
Manual and automatic order execution	✓	✓	✓	✓	✗
Market simulation	✓	✓	✓	✗	✓
Asia Pacific market support	✓	✗	✗	✗	✓
Standard and customizable adaptors	✓	✓	✓	✗	✓
Easy administration and monitoring	✓	✓	✓	✓	✗
High performance	✓	✓	✓	✓	✗
Multi-platform support	✓	✓	✓	✓	✓
Multi-asset class support	✓	✗	✗	✗	✓
On-site tech support	✓	✗	✗	✗	✗
Cost effectiveness	✓	✗	✗	✗	✗

Connect First Architecture



For more detail about the product, please refer to www.fixbytes.com | Email us at: info@fixbytes.com