

FIX Fire 1.0

FIX Engine

HIGHLIGHTS

FIX Fire is a high performance enterprise FIX engine that is responsible for connectivity management, FIX session maintenance and FIX messages handling by the organizations using FIX protocol for financial information exchange and Straight through Processing (STP). Ideal FIX platform for Broker / Dealers, Hedge funds, Asset management firms, Liquidity providers and Technology providers.

FIX Fire consists of a FIX Server with web based session monitoring features, easy to configure the counterparty sessions and connections, easy to use API in Java / C++, handles high volumes of message flow across multiple connections, scalable and will have the high availability feature.

Key Differentiators

- Easily deployable, can replace the existing FIX engine within few days
- Supports all versions of FIX Protocol versions - including 4.4, 5.0
- High performance with message processing rate of more than 1000 messages / second
- Multi platform support
- Web-based easy configuration and administration module - quicker rollouts
- Hot deployment support
- Flexible and robust high availability and failover support
- Easy to plug-in with existing systems
- Support for different range of asset classes e.g. Equities, Futures, Options, Fixed Income and FX

FIX Fire Features

Product Support

- Supports all current versions of FIX Protocol - 4.0, 4.1, 4.2, 4.3, 4.4 and 5.0
- Support for different range of asset classes e.g. Equities, Futures, Options, Fixed Income and FX
- Multi platform support like Sun Solaris, HP-UX, UNIX, Linux and Windows

Deployment

- Hot deployment facility
- Full trade life cycle support like orders, trades, allocation, confirmation, IOI etc
- Enables Straight Through Processing

Performance and Scalability

- Guaranteed Counterparty Connectivity
- Efficient handling of Multiple buy side/sell side sessions (multiple session management)
- Optimized performance and desired throughput
- Provide software based High Availability option for high performance and multiple connections
- Guaranteed message delivery
- Real-time Performance monitoring

Administration and UI features

- Web-based Session monitoring / Administration
- Alert Monitoring and reporting
- Easy to use APIs
- XML based configuration
- Support for Encryption and SSL support
- Persistence (ability to log data to log file or database)
- Business logic to deal with different counterparties, message validation, protocol translation and version mapping - for cleaner interfaces to counterparties
- True software based High-availability hence less pain for System administrators

Interface and Integration

- Direct Market Access to exchanges
- Provide adapters for MQ / TIBCO / VB / C / C++ / JMS
- Flexible Interfaces for integration with existing systems

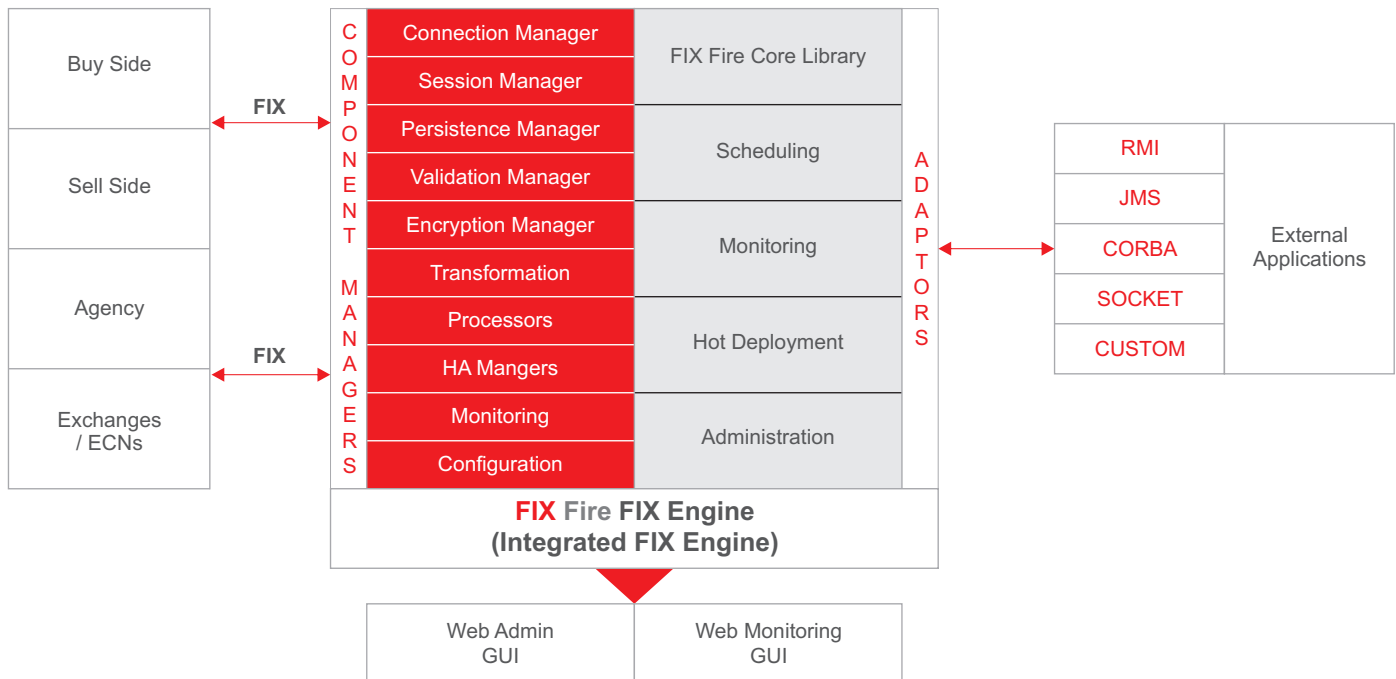
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Product Differentiators

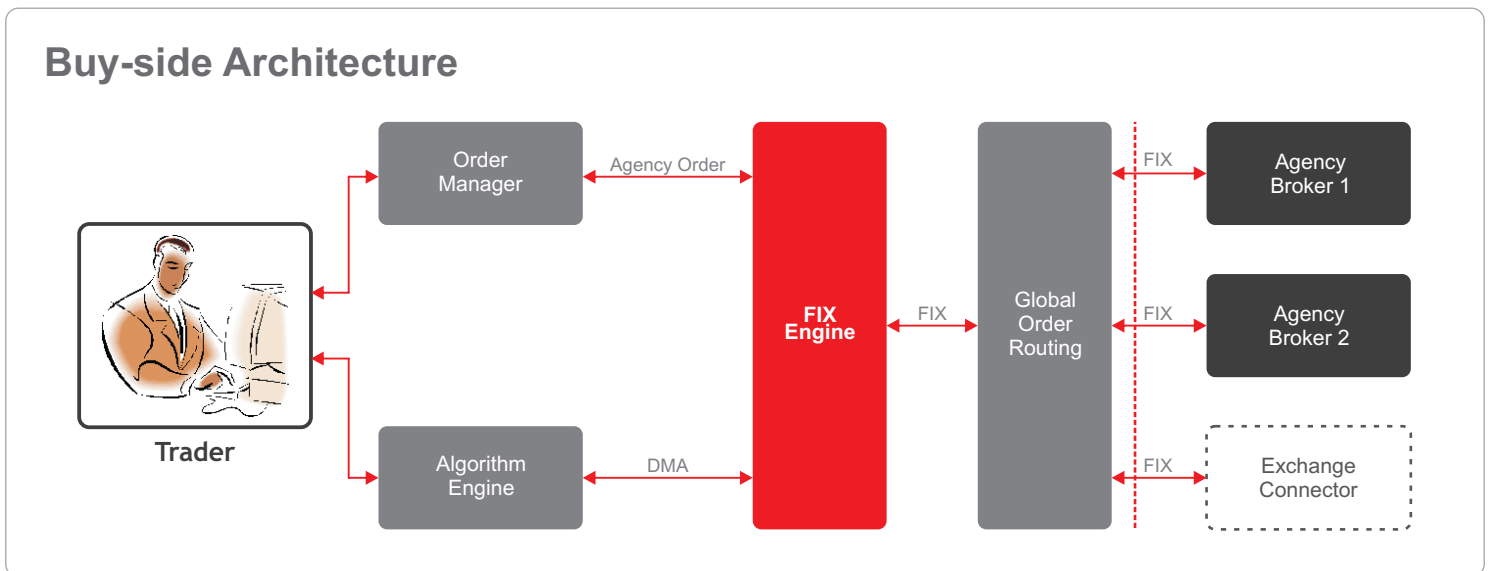
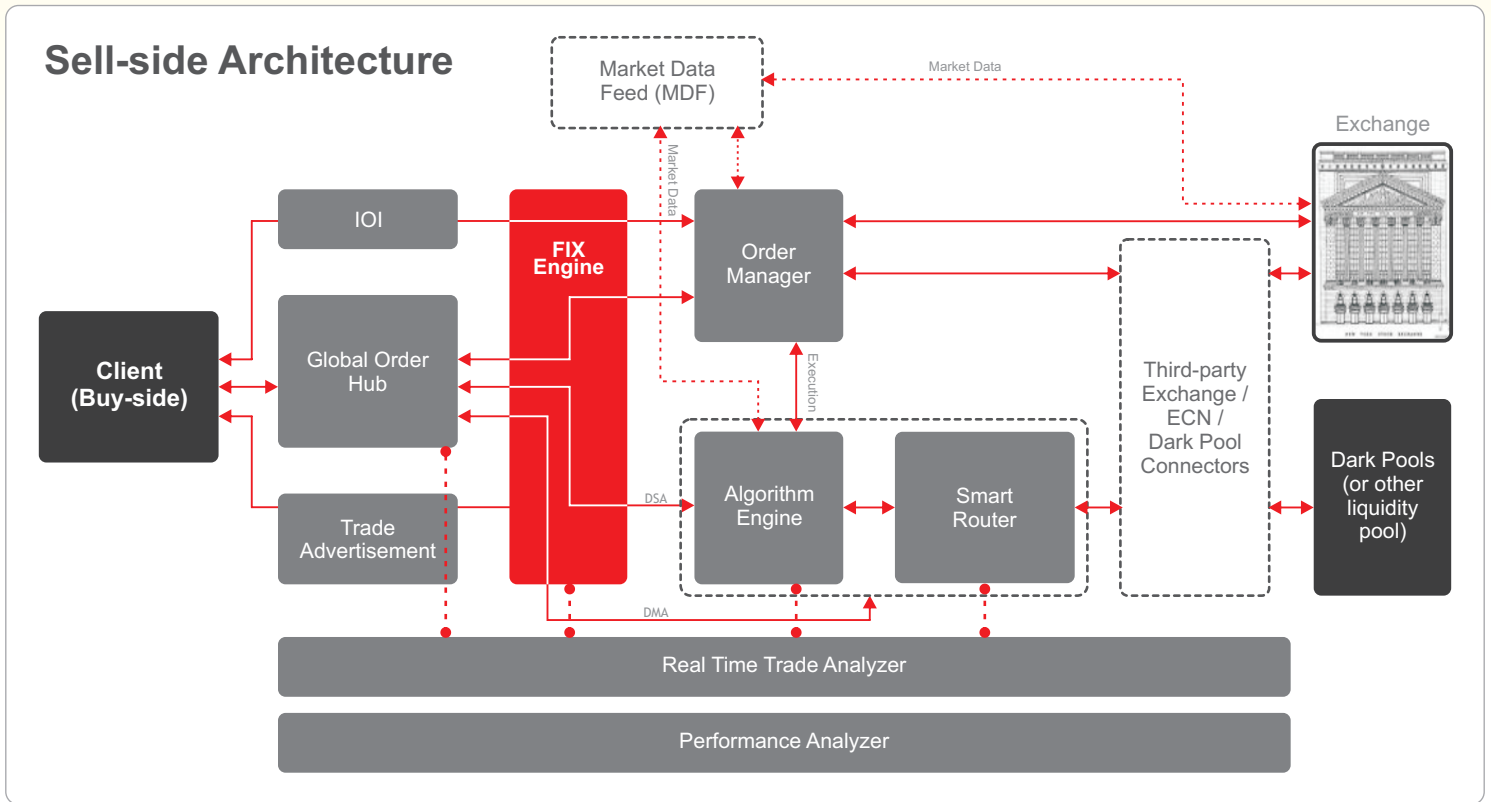
Features	FIX Fire	Vendor 1	Vendor 2
Hot deployment	<ul style="list-style-type: none"> Deployment without Restart Connection and Session Management 	x	x
Administration	Web-based full administration and configuration	Web-based but difficult to define parameters	x
FIX Support	All versions(4.0 – 5.0)	All versions(4.0 - 5.0)	4.0 – 4.4
High performance (Number of messages per sec)	More than 1000 messages / sec	Less than 1000 msg/sec	500-600 messages / sec
High-availabilities	True HA (Cluster based) - automatic failover. Minimal RTO (Recovery Time Objective)	Basic HA capabilities - longer RTO	Not available - manual system restore. Longer RTO
Monitoring	Pluggable Monitoring GUI	x	x
Alert Notification	Pluggable alert notification (Mail / Tivoli etc.)	x	x
Scalability	Multiple session management and highly scalable on multiple platforms	Multiple Session Management	x
Usage / Customization	Easy to use APIs and User Friendly Language	Java API's	Java APIs
Integration	Easy to Use Range of Adaptors For Integration	Limited Adaptors	Limited Adaptors
Support	Onsite support will be provided	Email Support Only	x

FIX Fire Architecture



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Platform Support:

- 100% Java built platform
- Server Operating System: Redhat 4 / 5 Linux, SUSE 10 Linux, Solaris Sparc 10, Windows, AIX 5.x

About Fixbytes

Fixbytes Technology is a financial product and service delivery organization, with its core focus to deliver end-to-end electronic trading solution (primarily front-office) – broker neutral straight through processing, high performance and high availability platform. The products supports multiple asset classes and used by both buy and sell side institutions including investment banks, hedge funds, asset managers and institutional brokers.

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