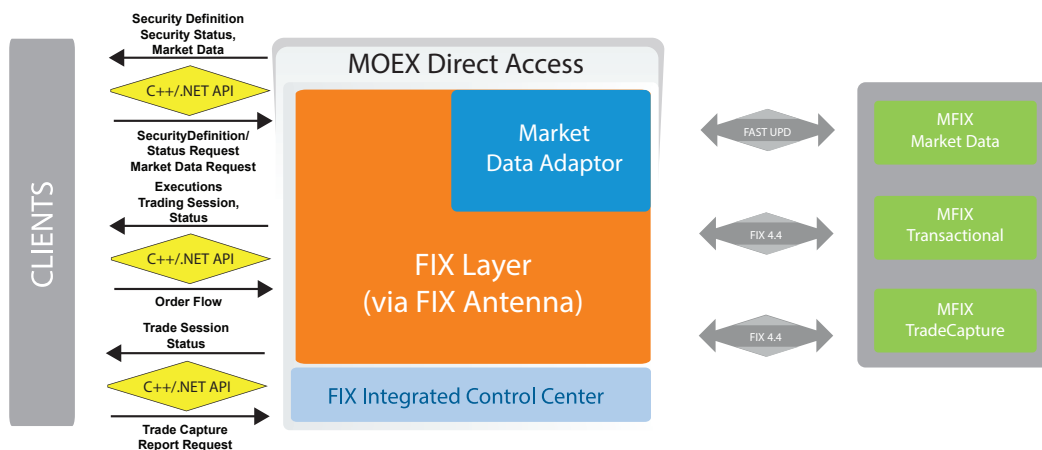


Moscow Exchange Direct Access

EPAM provides pre-certified connectivity solutions for direct access to FIX TCP and FAST UDP Multicast Market data feeds and Transactional interface of Moscow Exchange (MOEX). The solutions are based on high performance FIX Antenna™ engine and consist of the following modules:

- > FIX/FAST Market Data Adaptor enabling access to MOEX Market Data multicast feeds via UDP
- > MFIX Trade engine allowing trading on all markets of the MOEX (Securities, FORTS, FX)
- > MFIX TradeCapture engine enabling access to MOEX trading API and receiving trade confirmations via FIX



USA

Newtown / Global Headquarter
41 University Drive, Suite 202,
Newtown, PA 18940,
Phone: +1-267-759-900

New York

825 3rd Ave, 8th Floor
New York, NY 10022
Phone: +1-267-759-9000

UK

London

10 Albemarle Street,
London, W1S 4HH,
Phone: +44-20-7758-9830

DE

Frankfurt am Main

Mainzer Landstrasse 49/49A
D-60329 Frankfurt am Main
Phone: +49-69-3085-5074

CH

Glattbrugg

Europastrasse 17
8152 Glattbrugg
Phone: +41-79-698-1998

FIX/FAST Market Data Adaptor

- Maintains connections to the MOEX Market Data Multicast Feeds including:
 - Incremental Updates feeds
 - Market Recovery (Snapshots) feeds
 - Instrument Definitions Feed (replay)
- Supports all market data types available at MOEX
- Hides FAST details from the client and applies FAST decoding automatically
- Provides high performance recovery methods:
 - TCP Recovery
 - Market Recovery
 - Natural Refresh
 - Market Recovery with Natural Refresh
- Provides ability for Order book management
- Provides ability to load MOEX configuration file and FAST Templates to use connection parameters and adjust FAST decoder accordingly
- Allows logic customization on the low level to define custom recovery strategy

MFIX Trade engine

- Enables connection to MOEX trading API via TCP/IP.
- Fully supports order flow of MOEX Trading Session (new order request, cancel/replace order request, order/trading session statuses, executions)
- Provides ability to load MOEX configuration file via FTP, change attributes.
- Supports MOEX FIX 4.4 dictionary

MFIX Trade Capture engine

- Fully automated process of capturing trades enabling real-time deal capture
- Provides access to all markets of the Moscow Exchange Group (Securities, FORTS, FX)
- Support of security definitions with easy to configure request details
- Provides ability to load MOEX configuration file via FTP and change attributes.
- Pure FIX 4.4. interface - automatically applies conversion from native MOEX Trading API data to FIX protocol.
- Recovery tool to prevent trades loss in case of failure

Key Features:

- > User oriented:
 - Support of all features of chosen MOEX interface while hiding all feed specifics from end-user
- > High Throughput / Low Latency achieved by leveraging all relevant features of FIX Antenna™
- > Ease of monitoring & administration:
 - Rich UI assuring ease and simplicity of configuration and maintenance, as well as allowing real-time monitoring of session statuses and parameters
- > Flexible API allowing user to:
 - to subscribe/unsubscribe for data by symbol
 - to receive security definitions, snapshots, increments, news and security statuses via call-back interfaces
- > Supported platforms:
 - OS: Windows / Linux
 - Compilers: GCC 4.0.X, 4.1.X, 4.3.X, 4.5.X / MS Visual Studio 2005, 2008, 2010 / NET Frameworks 2.0, 3.0, 3.5, 4.0 (with ability to be reused for C#; VB.NET; C++/CLI; MC++; Delphi.NET; MS Excel (MS Office 2003/2007)) / JDK 1.5 and higher
- > Myricom DBL support