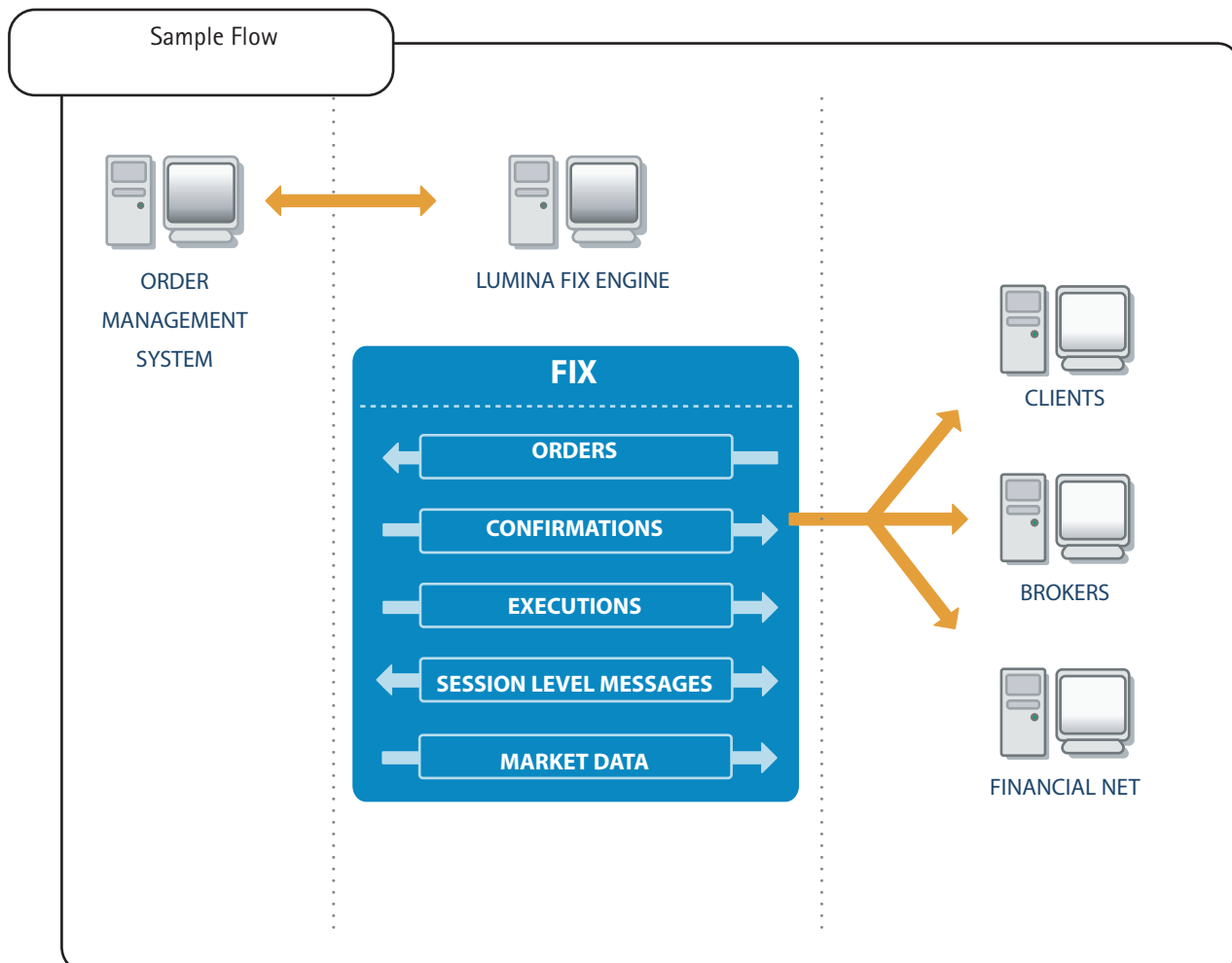luminaamericas

# LUMINA FIX ENGINE

luminaamericas

## What is it - What is for?

Lumina's Fix Engine is a software product developed to provide a standard messaging channel to interchange securities transactions information. It supports real-time processing of transactions, integrated with the client's Order Management System., Algo Trading modules and Capital Market systems.

Based on the Financial Information Exchange Protocol (FIX), the product can run as a server or client in a FIX conversation.
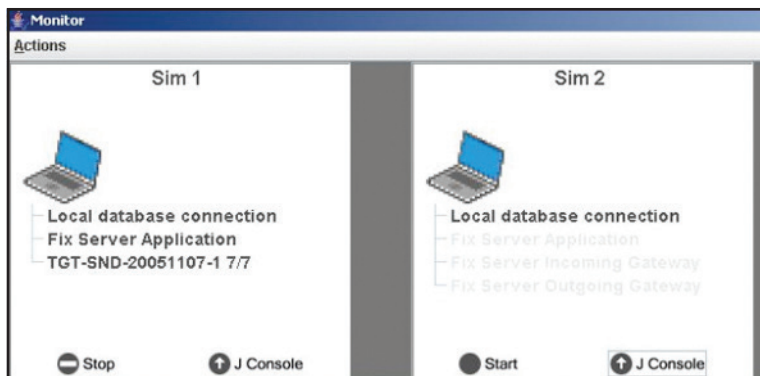
## Functional Features

- Supports every FIX message described in the FIX specification (from 4.0 to 5.0 SP2)
- Real-time delivery
- Real-time administration/monitoring user interface
- Multiple connections in the same box
- Fault-tolerance provided with automatic re-routing of message through live connections in the same or other box
- Message logs
- Configurable event & alerts notification
- Simplified testing through a Simulated Order Management System that allows you to place orders/cancels, etc (OMS simulator or Capital Market environment simulation)
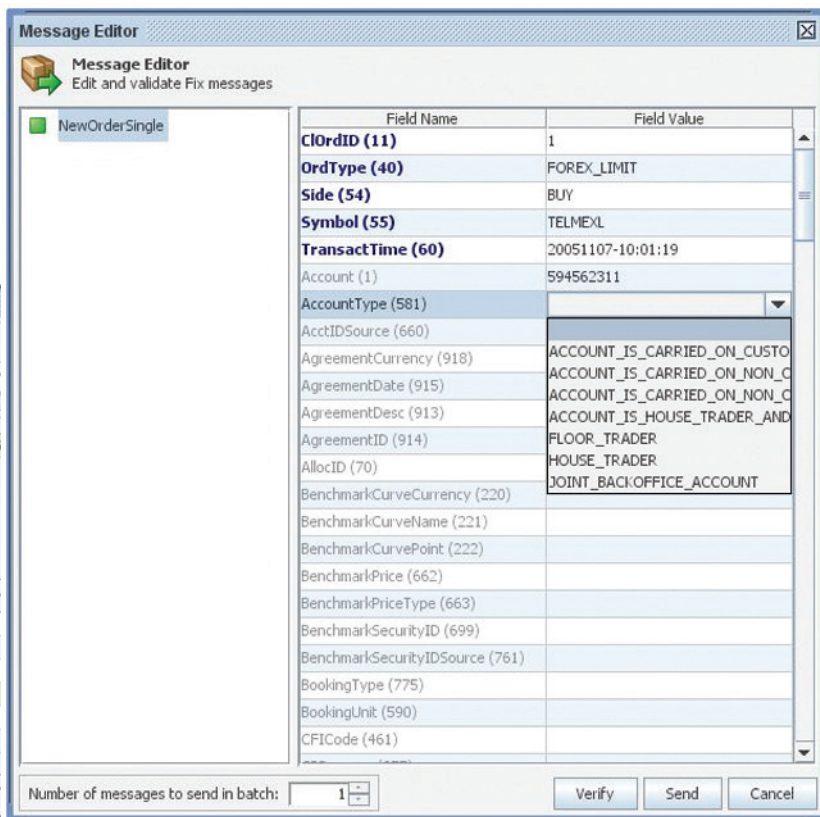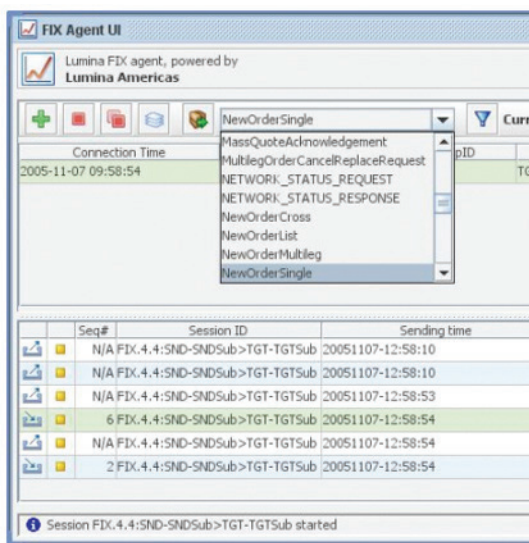


Sample Flow

ORDER MANAGEMENT SYSTEM

LUMINA FIX ENGINE

**FIX**

ORDERS

CONFIRMATIONS

EXECUTIONS

SESSION LEVEL MESSAGES

MARKET DATA

CLIENTS

BROKERS

FINANCIAL NET

## Technical Aspects

- 100% pure Java Application
- Multiple Platforms: runs on Linux, Windows, Unix, Solaris, etc
- Database connectivity through JDBC. Available for: Sybase, SQL Server 2000, Oracle, MySQL
- Real-Time administration and monitoring using the JMX standard
- Supports high volume of transactions
- Easy integration through several supported transport methods: TCP/IP, JMS messages or Database Stored Procedures



Sample Screens of the
Administration Module

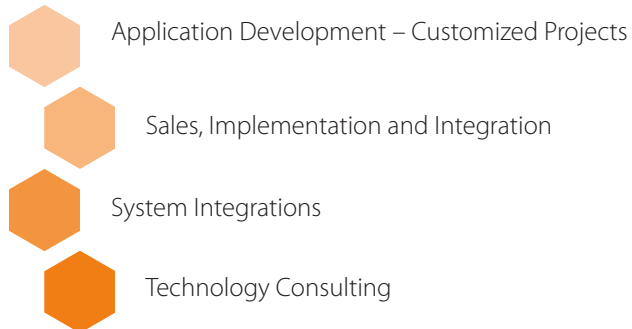Sample Screens of the
OMS Simulator Module

**luminaamericas**

**Lumina Americas is a regional consulting and technology service company based in Latin America with offices in Argentina, Mexico and a representation in Spain.**

With more than 14 years of experience developing solutions for the Financial Services Industry in Latin America, we develop mission critical software solutions to help our clients build and support their high-performance businesses.

Lumina was formed as a spin-off of regional application development team of JPMorgan Chase Bank (April 2001)

More than 100 professionals with extensive technical and financial experience
Strong team-work and collaboration culture with more than 10 years working together
Owned and existing solutions for serving the financial market
Software Components and Frameworks
Advance CMM practices
Combination of resources for the whole life-cycle of software projects
Top 40 Argentinean Companies in quality of labor environment

*"Proven experience developing, implementing and supporting mission critical financial systems"*

Application Development – Customized Projects

Sales, Implementation and Integration

System Integrations

Technology Consulting

## CLIENTES

- JPMorgan Chase
- Credit Suisse
- HSBC
- UBS
- Deutsche Bank
- Banco Voii
- Intercam Casa de Bolsa
- Barclays
- Actinver
- Grupo Financiero Intercam
- Grupo Financiero Ixe-Banorte
- BTG Pactual
- Akaan Casa de Bolsa
- Grupo Financiero Multiva
- Grupo Financiero BanRegio
- Altor Casa de Bolsa
- Kuspit Casa de Bolsa
- Banco Base
- BHD León
- Bursamétrica
- Sura

## OFICINAS

**Buenos Aires:**
Av. Pueyrredón 2446, 7ºpiso
C1119ACU - Buenos Aires, Argentina
Tel:. +54 (11) 4131-8500
Fax: +54 (11) 4131-8539

**México:**
Sierra Candela 111, of 412 (11000)
Col Lomas de Chapultepec, CDMX.
Tel: +52 (55) 5985-0559/7453
e-mail: info@luminaamericas.com

**Representación Comercial en España**
Tel.: +34 618191694
e-mail: info@luminaamericas.com

Visit our website: **http://www.luminaamericas.com**