



Flume Data, inc. (www.flumedata.com) provides Exchange-direct data integration for options and equities analysis. Designed for trading operations that require reduced latency and higher processing efficiencies for their market data. Flume feeds complete, real-time data from the major North American exchanges directly to co-located servers, real-time databases, and trading stations in a multicast LAN environment.

FLUME RECEIVER

Outstanding Price Performance

A full ticker plant in a box. Process a 1,000,000 message/second market spike with only 35% of a two processor Intel Xeon 5500 system, leaving 65% of system resources available for trading applications. Runs on commodity servers and blades – no investment in non-standard hardware required.

Coverage of High-Liquidity Exchange Feeds

The Flume Receiver platform provides the capability to process all major US data feeds.

Data Feed Sources: SIAC CQS, CTS; NYSE Quotes, Openview Ultra*, ARCA*; NASDAQ UQDF, UTDF, BBDS, TDDS, OMDF, NIDS, MFDS, Totalview ITCH*; BATS*; OPRA; CME.

Fundamental Data Sources: Bloomberg Backoffice, IDC IDSI, Reuters Datascope; OCC Encore XML

Complete Real-Time Database

The FLUME platform maintains a complete, comprehensive database of two million securities, including equities; option; book quotes; and chains. Now you can perform high-end, real-time analysis on the entire universe of North American equities and options on standard blades and servers.

Fastest Delivery

By integrating data directly from the source exchanges, the platform delivers time-critical quote and trade information milliseconds ahead of your competition. The Delivery advantage is unparalleled, with a system update delay under 100 microseconds at typical load, 200 microseconds at maximum load.

Superior Data Quality

FLUME Receiver's flat topology and dual feed merge at each customer site system provides the highest quality data for your applications. We eliminate data losses introduced by consolidated market feeds that can result in trading errors

RMDS™ Compatible

FLUME Receiver is designed as a seamless source integration application. Companies with Thomson Reuters RMDS quote distribution systems can improve exchange-to-application latency with FLUME.

Reliable

Eliminate trading losses associated with system interruptions. FLUME's unique architecture and software quality virtually eliminate system downtime.

Ease of Implementation

Because exchange feeds are delivered using IP multicast, FLUME Receiver scales easily and infinitely. Servers may be added at any time without additional software development, and rollout and upgrade activities can be performed incrementally, as there are no version-level interdependencies.

Proven

First deployed in 2002, FLUME Receiver delivers market data at a number of sites, including one of the world's largest financial institutions.

Specifications

Real-Time Data Feed Sources

Currently Available

SIAC

- CQS
- CTS

NYSE

- Quotes
- OpenBook Ultra*
- ARCA*

Nasdaq

- UQDF
- UTDF
- BBDS
- TDDS
- OMDF
- NIDS
- MFDS
- Totalview ITCH*

OPRA

CME

BATS*

Fundamental Data Sources

FTIDC – Financial Times Interactive Data

- IDSI 320 (C-side)

OCC – Options Clearing Corp.

- Encore XML Security Master

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Platforms and Applications

Platforms

- Intel
- AMD
- IBM System p (RS/6000)
- Sun

Systems Compatibility

- Linux: RHEL4/5, SLES9/10
- Windows Server 2003 & 2008
- Solaris 8 - 10
- AIX 5.3 & 6

Interfaces

- Stand-alone API
 - Direct Database access
 - Symbol subscription
 - Total Feed update stream
- RMDS / Triarch
- Exchange native symbols or Reuters symbols

Features

- Fundamental Data
- Option Chain Support
- High-speed scan of *entire options universe*

Applications

- Options Analysis
- Index Strategies