THOMSON REUTERS ELEKTRON REAL TIME

HIGH PERFORMANCE LOCAL ACCESS TO GLOBAL MARKETS

MARKET VIEW

Trading firms face ever tougher real time data challenges; with more liquidity pools to aggregate, higher volumes and velocity of data to process, along with increasingly complex workflows to support. At the same time, the last few years have seen budgets come under even tighter scrutiny, with pressure to optimize all aspects of infrastructure, application software and data spend.

SOLUTION

Thomson Reuters Elektron Real Time is a low-latency consolidated global data feed that delivers full tick, depth-of-market data; helping customers to source better quality information and minimize the total cost of ownership of their real time infrastructures.

Elektron Real Time improves the accuracy, breadth and depth of content that Thomson Reuters Reuters delivers and provides a step change in the latency of data distribution by leveraging a truly distributed global architecture. The new feed infrastructure is also sufficiently flexible to accommodate any quality-of-service requirement and is built on a unified and extensible data model to make content easier to on-board and integrate into downstream applications. To simplify the process to switch to this new feed, Thomson Reuters provides customers and ensures backwards compatibility with legacy data models.

BENEFITS

Trading firms that deploy Elektron Real Time will quickly realize a wide range of benefits.

Lower latency delivery

Elektron Real Time revolutionizes the way that global data is sourced and delivered by moving to a truly distributed global architecture, supported by data centers in the world's key financial centers. To further enhance performance, Elektron Real Time leverages a binary encoded, bandwidth optimized wire protocol that reduces message sizes by up to 50% and is much faster and more efficient to process.

Greater flexibility and precision

With a completely open and extensible message model, Elektron Real Time supports more complex and varied data types, including bespoke trade status indicators, full depth-of-market order book data or even exchange timestamps with millisecond precision.

Broader and deeper coverage

Elektron Real Time delivers market-by-price full depth of book for global venues. The extensible nature of Open Message Model (OMM) also makes it easier and quicker for Thomson Reuters to on-board new content, both from exchanges and other sources.

Easier to integrate

Based on a unified and extensible data model, all of the message fields that are common across source feeds will be managed using consistent field identifiers, making it easier for customers to integrate Elektron Real Time content into their chosen workflow applications. Elektron Real Time also provides full backwards compatibility with legacy data models for ease of migration.

Lower TCO

Elektron Real Time accommodates any content and quality-of-service requirement – from low latency, full tick, depth-of-market data for use in algorithmic trading; through to conflated real time data for display purposes. This helps customers consolidate their data services and minimize connectivity costs with a choice of last mile connectivity and service delivery options. Elektron Real Time provides customers with the option for either Thomson Reuters last mile managed comms or to provide their own.

HIGHLIGHTS

- Broader and deeper coverage
- Lower latency delivery
- Greater flexibility and precision
- Normalized data model that is easier to integrate
- Lower total cost of ownership (TCO)

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WHY THOMSON REUTERS

Thomson Reuters was the first vendor to support completely open market data architectures, not only with the Enterprise Platform but also its predecessor platforms. These technologies have been used to power trading floors across the globe for decades. Thousands of customers across every continent rely on our scalable, robust and high performance data technologies to power their operations. Because of our established and trusted legacy as a provider of open technologies, these customers can count on the largest third party development community with a widespread knowledgebase on how to develop to our industry standard market data APIs.

THOMSON REUTERS ELEKTRON

Thomson Reuters Elektron is a suite of trading and data propositions that powers the enterprise and connects global markets. Elektron delivers low-latency feeds from over 400 exchange-traded and OTC markets, along with analytics, distribution platforms and transactional connectivity to support any financial workflow application. Elektron also powers the most innovative desktop and mobile application in the world, Thomson Reuters Eikon. This brings our global infrastructure to the fingertips of financial professionals, wherever they are and whatever their role. All of these capabilities can be deployed at a customer location or delivered as a fully managed service from any one of our co-location and proximity hosting sites around the globe.

KEY FEATURES

- Truly distributed global architecture for local collections and distribution providing significant latency improvements

- Today, there are Elektron Real Time Points-of-Presence in Chicago, Frankfurt, Hong Kong, London, New York, Pacific, Singapore and Tokyo

- Global coverage with real time feeds spanning more than 400 exchange-traded and OTC markets, along with award-winning analytics

- Full tick, depth-of-market data

- Unified, logical data model

- Efficient bandwidth optimized binary transport protocol

- Choice of quality-of-service delivery options

- Resiliency and service management

- Full choice of last-mile connectivity options

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