

Data Capture & Advanced Analytics for Capital Markets

Metamako and MayStreet have partnered to provide high quality data collection with negligible latency impact, coupled with real-time analytics to capital markets firms.

Challenge

The technology that underpins capital markets trading is changing rapidly with a shift to more data driven environments inevitable.

Yet, in many existing capital market environments, it's difficult or impossible to tap the multitude of cross connects that are in place. Compliance regulations, risk management, security measures and/or network performance monitoring, however, require that every trade or order update event must be collected and analysed. Using Span ports or single optical taps isn't viable – they are expensive, prone to failure and inflexible as customer needs evolve.

Solution

Metamako and MayStreet have partnered to solve the high value problems related to real-time data collection, having the ability to capture, timestamp and analyse virtually everything that flows across the network. The joint solution transforms capital markets data into formats usable by business functions such as research, compliance, risk management, customer support, network monitoring and data retention for real-time, data-driven decision making.

Replicating data at the network edge, Metamako provides the data collection capabilities via its ultra-low latency tapping, timestamping and capturing hardware which then feeds data to MayStreet's analytics engine that transforms the high-quality timestamped "raw" network traffic into real-time market insights. End-users are provided with the intelligence for compliance, risk and reporting applications.

Benefits:

- Cost-effective way to capture and validate much richer data sets, instantaneously
- Inline data tapping and capture at the network edge adding no more latency than 1m of cable
- Nanosecond-resolution timestamping, tap aggregation and deep buffering
- Superior monitoring of all network-level data
- Compliance audit trails to help meet regulatory needs – MiFID II (RTS 25)
- Real time replication of order entry traffic for risk analysis
- Ability to leverage deep buffering to rate-limit aggregated streams to analytics/ persistence devices meaning they can be scaled down from having to handle traffic peaks

Who can benefit:

- Trading firms
- Market makers
- Asset managers
- Global banks
- Broker dealers
- Hedge funds
- Technology firms
- Network providers
- Colocation providers
- Exchanges

Get in Touch for more Use Cases or a Free Evaluation:

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Metamako is a leading provider of low latency, deterministic network solutions to the financial industry. Leveraging FPGA technology, its network devices and applications increase network visibility and simplify the overall network stack.

MayStreet delivers advanced market access and data analytics technology for the seamless deployment of hardware and software in today's increasingly competitive marketplace.