



SOLUTIONS FOR

# Investment Banks and Brokers

**In modern brokerage, execution quality and client experience are what set firms apart. Buy-side clients demand transparency into order routing and evidence of best execution. Regulatory requirements continue to evolve. Technology performance underpins all of this — and you cannot optimise what you do not understand.**

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## The Challenge

Brokers must optimise execution performance whilst controlling costs across equities, options, derivatives, FX and fixed income. Yet many firms only see outcomes — delayed acks, slippage, client complaints — without understanding what caused them.

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### Execution operations teams struggle to:

#### Connect outcomes to root causes

Link technology behaviour directly to execution performance and customer experience.

#### Investigate issues quickly

Reduce the time and resources spent troubleshooting across multiple teams.

#### Explain routing decisions

Show where orders were routed, why, and the resulting performance.

#### Prove best execution

Demonstrate compliance with accurate, auditable data

#### Respond to regulatory enquiries

Extract and deliver required information promptly

Legacy monitoring at best shows what happened, not why. Without full visibility across the trading stack, teams remain fire-fighting rather than optimising.

## The xMetrics® Solution

Built for the most demanding trading environments, xMetrics delivers advanced trade flow analytics and end-to-end observability. Every order and market data tick is measured and correlated across every infrastructure hop.

### User-defined logic at source

Real-time field transformations and custom metrics running directly in the instrumentation path, shaping data as it is created.

### True multi-hop correlation

Correlate across FIX, proprietary and native exchange protocols even when formats change mid-flow.

### Technology-to-execution mapping

Infrastructure behaviour linked directly to business outcomes.

### Client-level impact analysis

Instant identification of which clients are affected, enabling proactive coverage.

### Full trade lifecycle reconstruction

Complete end-to-end visibility of every order and market data tick for best execution analysis and regulatory enquiries

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## What You Gain

### Client Coverage

- Awareness of affected clients before they escalate
- Faster query resolution
- Observability transformed into proactive engagement

### Performance and Speed

- Real-time connection health monitoring
- Latency pinpointed across every hop
- Optimised tick-to-order and gateway response times
- Improved data feed quality
- Reduced outages and performance incidents
- Faster troubleshooting and resolution
- Service providers held to their SLAs with measurable evidence

### Compliance and Oversight

- Full transparency on client execution outcomes
- Reduced regulatory risk through trusted compliance data
- Complete order lifecycle tracking for best execution and regulatory enquiries

### Technology Spend

- Clarity on which infrastructure investments actually improve execution
- Before-and-after performance data to track ROI
- Spend prioritised against real bottlenecks, not guesswork
- Vendors held to account with clear, measurable evidence