



Business Service Emulation

Capability Sheet, Financial Services: Investment Banking and Capital Markets

Low Latency for Algorithmic Trading, Dealing with volume spikes, with service degradation, market data at right time, right place and right quality, and building for optimal sizing with minimum disruption, are few advantages of using X-Act platform



WE PROVIDE A DECISION PLATFORM where we build mathematical models to test opportunities and how to optimize the trade-off between COST, SCALE, and QUALITY OF SERVICE and find out the best option before any investment is made.

Accretive Value Proposition

- **IDENTIFY TRADING LIMITS:** Scale trades/orders by 3X or 5X or 10X. Determine the bottlenecks and limits of current systems and how would you be able to stretch these limits?. 4 weeks
- **TRADE LATENCY:** Reduce latency of the trade to be more competitive. Determine what change delivers the biggest impact, and how do we get the biggest bang for the buck? What is the benefit vs. effort?. 8 weeks
- **SETTLEMENT AND CLEARING:** Need to handle a multiplier of current volumes and still meet same settlement and clearing windows? What is the portfolio of changes required to scale? Model build in 8 weeks that allow the definition of right and most economic actions
- **ORDER ROUTING AND FLOW REDIRECTION:** Optimize routing algorithms and flow redirection to Market Places or Exchanges. Determine criteria and options for optimization? 6 weeks
- **MARKET CORRECTION AND FLUCTUATIONS:** What system and architectural components need to change to tolerate certain daily market fluctuations and swings? Reengineering actions within 8 weeks
- **DATA ANALYTICS AND RISK MANAGEMENT:** Can you predict service time and transaction rate for market analysis, tick analysis, time series analysis, and technical trading analysis? What is the optimal database structure to support real time analysis?

How people achieve such goals today

- Use measurement and historical data (irreducible in general!) and perform complicated analysis (misleading in most cases). Normally only subset of components involved
- Only linear behavior is projected.

Accretive uniqueness

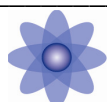
- Its libraries of sub-assembly pre-modeled components
- End-to-end service presentation
- Fully analytical mathematical model that allows scenarios analysis with great confidence

In Our Libraries

- Dealing and Matching
- Settlement and Clearing
- Market Data Analytics
- Time Series
- Low Latency services
- Global Network

Accretive Successes

- Diagnosis: critical component, service
- Determination of limits
- Technology selection
- Architecture
- Design



Accretive
the science of systems

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