

Agenda

- Surveillance shortcomings
- Institutional resistance
- Tech-centric regulation
- Next generation Surveillance
- Next steps



Surveillance Shortcomings

The way surveillance is done today presents the industry with challenges

- Technological shortcomings:
 - No timestamp synchronization, low resolution
 - Lack of advanced analytics / machine learning
- Conflicts-of-interest inherent across for-profit, publicly-traded SRO model leads to poor enforcement across biggest / best customers
- Complete lack of cross-asset class data
- Lack of coordination / cooperation across the industry
 - Regulators / SRO's don't work with practitioners
 - Some practices make it difficult for brokers to properly watch their customer



Institutional Resistance

What prevents regulators from moving forward?

- The size of the problem and where to start
- Shortage of the right technology skills and knowledge
- Cultural resistance to tech-centric approach
- Political frictions within / across agencies
- Mindset that focuses on "fiefdoms"
- Conflicts inherent in publicly traded SRO structure



Why we need a new Market Surveillance program

- Technology is a tool but it is more important; an enabler for change and innovation
- Technology has become part of the culture across this industry
- Technology accelerates existing processes, delivers new and smarter ones
- Staffing at regulators must fundamentally change
- Never has the need for expertise been greater, or the resource gap wider.

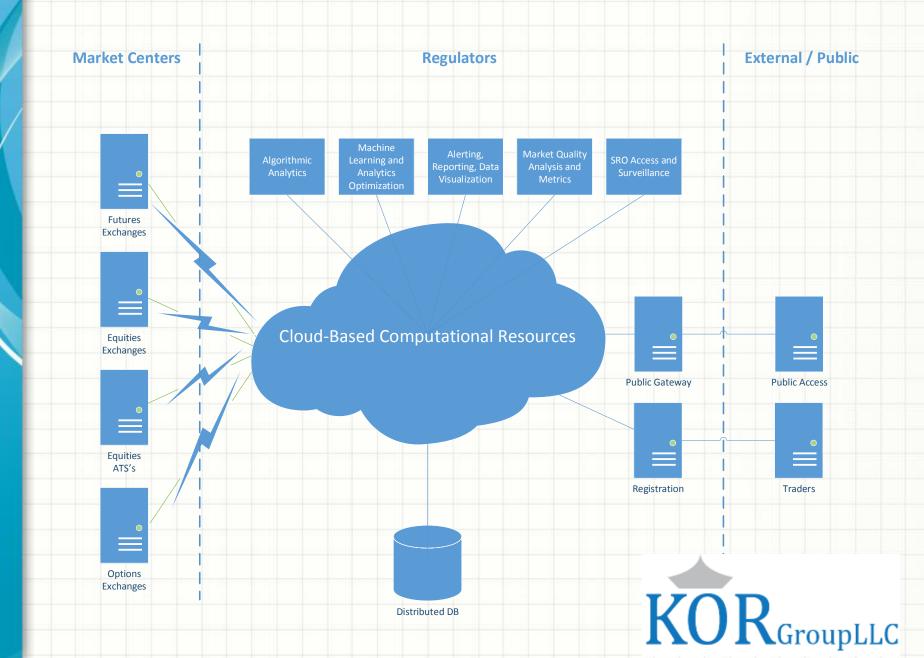


Next-Generation Surveillance

- Next-generation surveillance platform
 - Full cross-asset class coverage
 - High-performance, real-time analysis
 - Strategy registration and ID system
 - Best-of-breed analytics
 - Machine learning / parameter optimization
 - SRO's can leverage to reduce / eliminate duplication
 - Platform to engage academics and public
 - Private firms could have this operational by 2014



Next-Generation Surveillance



Next steps

- Phase 1 start today
 - Adopt technology-centric approcah
 - Engage industry in a serious and meaningful way
 - Form surveillance/manipulation committee
 - Make definitive dataset available
 - Examine currently available data
- Phase 2 over time
 - Regulators become primary surveillance group
 - Build next-generation surveillance platform



Next steps

- Regulators can catch up with the industry:
 - Technology-centric approach means tech is integrated in every decision. It is not just an IT group in the basement
 - Engaging the public, academics, industry experts is the only way to maintain pace and differentiation
 - Regulators must become co-/counter-evolvers,
 need to be involved and flexible

