

# PROPRIETARY TRADING FIRM PROACTIVELY IMPROVES EXECUTION QUALITY

**PROPRIETARY TRADING FIRM**  
EXECUTES A WIDE VARIETY OF STRATEGIES ON ALL MAJOR EXCHANGES WORLDWIDE  
ACROSS MULTIPLE ASSET CLASSES

## CHALLENGE

### Delayed and Fragmented Visibility Limited Trading Execution Improvements

The firm's continued success rested on its ability to constantly innovate its investment operations and deliver robust solutions for superior transaction execution across multiple venues. Understanding the real-time impact of technology performance on business outcomes was necessary to proactively optimize resources and routing to derive maximum business benefit. However, the firm was challenged by:

- Lack of rapid, precision visibility across complex, distributed systems to prioritize optimization efforts and support efficient infrastructure operation
- Inadequate insight into venue, system and execution performance degradation
- Opportunity costs of dedicating significant resources to develop visibility, analytics and collaboration capabilities required for proactive oversight

## SOLUTION

### Continuous, Real-Time Insight to Drive Proactive Optimization Decisions

Deployed in multiple data centers and replacing a series of homegrown software solutions, Corvil delivered "one-stop-shopping" by supporting IT operations, trade support, and algo/software development. Corvil provided:

- Measurement and correlation of the performance impact of each system, infrastructure component, and connected venue on end-to-end transaction performance
- Insight into performance impact of software updates
- Proactive oversight of execution performance across various venues to optimize trade routing decisions
- Analytics-driven workflows for rapid problem identification, isolation, and resolution

*"Corvil is the tool to keep the exchanges honest and to keep us honest on orders, quality of market data, and overall technology performance."*

## RESULTS

### Improved Delivery and Execution Performance

- ↑ Return on optimization investment
- ↑ Revenue resulting from system optimization
- ↑ Support staff productivity
- ↓ Business impact of technology issues
- ↓ Development opportunity costs
- ↓ Mean time to identify and resolve issues