

# Case Study | CM | FIX - Sell Side

## Standardization of Exchange Connectivity Platform for FIX - Sell Side to Investment Bank

### About Client

Top tier Sell Side Investment banking company wanted to standardize their exchange connectivity platforms using FIX protocol for Asia Pacific markets.

### Technology Used

C++, Java, Multi-Threading, Complex algorithms and data structures, FIX Protocol, Transact Tools FIX Engine

### Business Benefits

- Definition of single API for OMS, reduced complexity of operations and developments drastically
- Multiple protocol consolidated through standardized FIX connectivity platform
- Cross protocol and platform support
- DMA enablement in a short span of time
- Changes from exchange APIs not affecting internal OMS
- Core business changes was done at gateway level, improved TCO

### Business Challenges

- OMS was using Multi-protocol conversion, different API integrations with APAC exchanges
- Multiple API integrations with OMS
- Complexity in managing gateways
- Complexity in managing changes with in API
- Expensive and bigger development teams
- FIX implementation using Transact Tools suite

### Solution Provided

- Standardization of exchange connectivity platform
- FIX protocol support for multiple internal systems
- FIX protocol to exchange specific conversions using new exchange connectivity platform
- Exchange specific/FIX protocol format support for out bound connections

