



Capital Markets: Stock Exchanges & Trading Platforms Testing Solutions

AppLabs is uniquely positioned to provide comprehensive Testing and QA solutions to Capital Markets organizations through a suite of services ranging from outsourced testing - including functional, performance and test automation - to specialized QA and Test Process Consulting.

AppLabs' strong and long-standing alliance with technology leaders has enabled it to deploy the latest technologies as part of its solutions whilst testing large-scale architectures. Our solutions have served global financial services firms and are helping them meet current market challenges whilst establishing a flexible foundation to meet the needs of future growth.

AppLabs' dedicated domain practice is founded on significant expertise and experience enhanced by delivering comprehensive solutions to US, European and Indian Capital Markets organizations for equities, financial derivatives, fixed income securities and mutual funds.

Alongside AppLabs' extensive experience in the Banking and Financial Services industries, the specialization in the Capital Markets arena has enabled it to build unique and tailored solutions at every level of the trade cycle - from initiation of trade, through to the settlement of trade - for front, middle and back office systems for participants such as stock exchanges, members and clearing houses.



One of the biggest challenges for the participants in Capital Markets such as stock exchanges, member firms, clearing agencies and depository organizations is to ensure that the applications going into production are thoroughly tested before deployment, as any issue with the application would misguide the whole market.

Capital Markets participants require a robust testing solution that ensures the business model is working as per regulatory and business guidelines and meets the expected performance criteria.

Capital Markets Practice

AppLabs' solutions draw on a wide range of skills and perspectives. The Capital Markets initiatives are led by domain and technology experts and backed by a team of high-caliber professionals. AppLabs has a dedicated Center of Excellence which concentrates on the training and development of resources within the Capital Markets domain and testing the complex real-time trading application. AppLabs' resources are experienced in developing, implementing and maintaining leading edge testing and QA solutions for its client base.

Key Areas of Expertise

AppLabs has extensive experience in the Capital Markets arena and has developed a portfolio of services in specific areas as outlined below:

End to End Application Testing

AppLabs has developed its expertise across the entire value chain from back-office to front-office

- ▶ Front Office: Order management, trade execution and capture
- ▶ Middle Office: Position consolidation, P&L reporting and control, trade matching and confirmations and market and credit risk management
- ▶ Back Office: Clearing and settlement, collateral management, loan servicing, cash management, billing and commission management
- ▶ Exchange Operations: Options exchange operation, market data feeds and exchange gateways

Regulatory Compliance

AppLabs helps clients in validating compliance from various regulations and authorities, such as MiFID, RegNMS, Securities and Exchange Board of India.

Domain Expertise

Alongside this, AppLabs has developed its expertise in testing within the following domains:

Order Management System	Trade Matching Rules
Position management	Compliance to RegNMS
Corporate actions	Direct Market Access
FIX and API certification	Symbol Migration
Trading API	Straight Through Processing
Failover - legacy to new system	Interface validation

Testing and QA Services

AppLabs offers the following services for testing applications in the Capital Markets industry. The services can be part of a total outsourced solution – as preferred by our clients – or as individual managed services to deliver specific value to the client's program of work.

Functional/Regression Testing	QA and Test Process Consulting
Test Automation	Interface Testing
Compliance Testing	Performance Testing

Benefits

AppLabs services have helped customers in achieving a lot of benefits within their projects. Some of the highlights include the following:

- ▶ 40-50% reduction in execution time to complete complex functional scenarios using test automation and ensuring a reduced time to go to market
- ▶ The client API QA team decreased its man effort by 12% and the dealer API QA team decreased man effort by 32%
- ▶ Defining and implementing a more formal test approach and adding a governance layer across multiple suppliers enabled efficient and effective testing across the whole end-to-end development lifecycle
- ▶ Helping a client meet the RegNMS regulatory demands ahead of time, whilst enabling the re-use of test assets for business as usual testing thereafter

Contact Us

If you would like to discuss your requirements then please email: marketing@applabs.com