



HCL HELPS A LEADING INTER-DEALER MONEY BROKER WITH FASTER TIME-TO-MARKET, REDUCED COST & EFFORTS THROUGH AUTOMATION TESTING



BUSINESS
ASSURANCE
& TESTING

THE CLIENT

One of the leading inter-dealer money brokers in the world. The company operates in product areas like Treasury, Repos, Energy, Credit, etc.

BUSINESS CHALLENGES

Before HCL started engaging with the client, the client was facing challenges from three fronts:

- Internal
 - No bandwidth available with client QA team considering the timelines for the project
- Development Partner
 - Absence of system design document
 - System testing from development partner is done by developers prior to release for formal testing by client
 - Poor configuration management led to release of unintended changes in other modules, leading to need of complete regression test
- Incumbent Testing Vendor – Previous project experience
 - High defect leakage in to the production environment for another project handled by incumbent testing vendor
 - Schedule slippage for more than 5 months
 - Poor understanding of the business requirements
 - Day to day test management responsibility had to be done by client QA team

THE HCL SOLUTION

Banking on past project experiences & gaining an enhanced knowledge on business requirements, HCL offered the following solutions:

- There were approximately 2500+ test cases, which needed to be executed in each cycle and at least 2 cycles in each release. The number of releases per month ranged between 2-3; means the team was executing approximately 10,000 test cases per month. This execution cycle time was reduced by implementation of automation for the existing Trading regression pack
- The automation started with tool evaluation followed by the POC. Once the POC was completed, demo was provided to the customer
- Enhanced the test coverage

- Base lining the core requirements was done
- Developed detailed use and test cases
- Prepared and validated reusable KT documents
- Optimized existing test pack on the basis of common functionality across CDS Applications (tpCD, tpEquity, tpEnergy). This further reduced the regression cycle time as we had to execute the common functionality in any one of the application instead of executing in all of them

AREAS OF ENGAGEMENT

- HCL's CDS testing team has been responsible for performing manual testing and end-to-end testing for the following applications i.e., trading application, OTC Marker, RMDS, Cash bonds, Eurobond Marker in 2 different environments (Citrix and native)
- This proactive initiative by HCL was intended to reduce the execution time by automating the Trading application

TECHNOLOGY SPREAD

- Jira
- HP Quality Center, QTP 9.5 with Sync Fusion Test Studio

BUSINESS BENEFITS

Deploying HCL solutions with the above mentioned technologies brought about the following quantitative results:

- By automating the manual test cases, **the execution time per release reduced by 75.55%** for the existing regression test cases and thereby reducing the cost by **40%** per year
- Project Savings – **Effort decreased by 34 days/ release and cost by \$162 K / annum (P&L)**
- The rigorous testing made the product more stable, and hence allowed it to be rolled out at more sites than originally planned for Phase 1
- The initial scope of work included only 4 rounds of testing, but due to frequent change in user requirement, 10 rounds of testing was completed without extending the release schedule drastically
- Early defect detection mechanism and escalation allowed to scrap scheduled release and thus saving time and effort



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