



Core Banking Testing

Business Context

- Our client services customers in retail, corporate, investment, and core banking space and runs their operations on different products, interface systems, with local and regional customisations
- The client was looking to replace the legacy systems with an in-house core banking system with service-based architecture, covering all common functionalities with common interfaces
- The requirement was to set up functional and regression testing teams to cover testing for all modules and interfaces

Challenges

- Testing of a new product required good understanding of banking domain encompassing varied functionalities involving various business units
- Different test approaches had to be formulated for various activities from data preparation to data interchange with interfaces
- Vast number of third-party interfaces with the core banking platform

- Functional and technical assessment necessary to understand the changes in the system and prioritise testing

Solution

- A detailed test planning, test scripting and master test strategy were prepared based on the scope
- Individual test scenarios were defined, run, analysed and verified
- Estimation of the batch runs were determined to execute the test in the planned time
- Detailed documentation of verification and analysis was compiled
- Data preparation and conditioning plan was chalked out. This was aided by building tools which were run them on need basis
- Solution was executed via two methodologies i.e. quick test of critical functions, targeted functionality and product lifecycle testing and regression testing

Quick test of critical functions through targeted functionality and product lifecycle testing and regression testing helped achieving desired success in core banking implementation.

Key Message

With strong domain focus, mature delivery framework and proven experience, Attra is well-equipped to handle various customer priorities and requirements to provide quality assurance services for customer applications.

Benefits

- The benefits of Attra's services were reflected right from the planning phase. Attra's high-end core banking domain knowledge helped to comprehend the client's specific functionalities and come up with test plans at a faster pace which has reduced the planning cost and time by 25 per cent
- Utility tools like account boarding, transaction posting reduced the manual execution effort. Data conditioning was done to create customised data for functionalities to be tested. Customised test management tool helped addressing high priority issues and ensure quick turnaround time. Final phase in each release included identification of reusable regression tests for future releases

About Attra

Attra is an IT solutions and services delivery firm with its focus on banking, finance and payments industry. We provide a broad range of IT services which include consultancy, application management, independent testing, portfolio migration, production support and integration. We address the changing needs of business with solutions that are flexible, cost-effective, quick to deploy and reliable.

Testing is a critical part in Software Development Life Cycle (SDLC); Attra demonstrated their strength in developing a master testing strategy, seamless execution of test scenarios and detailed documentation of test results.

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Travel Accounting System

Business Context

The client uses a Travel Account System (TAS) for managing travel cards that facilitate a corporate to make travel booking through a travel agent enrolled using the card. The current system does not have the capability to integrate with other systems due to software incompatibility and lack of basic features which are essential to the dynamics of the current market. The client wishes to enhance the capabilities of the existing system by migrating to a more flexible system which could offer certain enhanced features.

Challenges

- The key challenges were, identifying the right migration strategy, reconciliation strategy, and new product know-how and ensuring on-time and on-budget completion
- An additional challenge of moving data from the source to the destination system in two different locations with no common direct communication access enhanced the project risk

- Lack of documentation of the functional and business flow of the existing systems made gap analysis phase more complex

Solution

- Attra formed a team comprising business analysts, migration subject matter experts, functional and technical analysts
- A detailed discovery workshop was conducted to determine the data migration & balancing and reconciliation reporting strategies
- A seamless data transfer mechanism was devised to transfer the source data
- Multiple dress rehearsals conversions were executed
- The team liaised with different stakeholders such as IT, business, satellite system owners and product vendors to set up connections for all the interfaces
- Various data validation reports and in-house tools were developed to assist users during the user acceptance phase

We can now confidently say that the migration was a success since there were no major issues that were reported till date. We would like to take this opportunity to thank the entire Attra team for the excellent support and the hard work that has been put in to make this technically complex migration a major success.

Key Message

Attrra has rich experience in executing large and complex migration projects involving multiple systems for its customers across all geographies in the banking, financial services and payment domain.

Migration has unique challenges; this project gave Attrra an opportunity to build best practices in managing change, balanced team structure, reconciliation reporting strategy, data validation reports and multi dress rehearsals.

Benefits

- Attrra ensured that the client went live on the new system within agreed dates and budget
- Conversion and migration strategy ensured no downtime during system implementation. The team achieved effective reconciliation and financial reporting so as to enable business users in the decision making process
- A comprehensive handover was provided to the support team including technical footprint document, functional and business flow documentation
- User training was provided to all the business users on the usage of the new system. The engagement resulted in the reduction of Total Cost of Ownership (TCO), efficient and effective data management

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