Validata
Validating Core Banking

Large **Commercial Banking** client engages with Validata for end-to-end testing

Client Overview

Customer is a Commercial Bank, the engagement was in SIT testing including Core banking testing; Interface testing, internet banking testing, performance, stress and load testing. In recent years, the bank embarked on a replacement program for its legacy core banking solution, selecting Specific platform to take them forward strategically.

In late 2009, with the development phase coming to an end, the bank determined that a testing partner was required in order to undertake functional testing for both functional and integration testing provide support for the UAT, and perform interface (Batch and online), performance(Load and stress) and internet banking testing.

Business Challenge

- The need for an independent testing solution was identified early in the project

- Full management of the testing process, provision of a testing tool capable of test automation and related services

- Analyze the existing manual test coverage

- Identify gaps in test coverage

- Optimize the content and develop functional and SIT test coverage accordingly

- All at a time where flexibility in approach was key, with regular updates from the vendor to be catered for

- Faster time to market was required

- Service Oriented Architecture based testing to provide service level test coverage

- Each function (business area/cluster of applications) was following different process for testing

- Test interfaces Batch/Online

- Each business function team had knowledge of only that area

- Huge Effort in manual testing was being consumed

- Existing QA organization had good domain knowledge but didn't have QA Process, Automation and specialized testing expertise

- No Test Management Tools used

- Lack of documentation

- No QA Metrics were available

The project plan was aggressive and would involve testing an environment that was consistently changing, with changes being introduced offshore and locally. The constant change meant that automation could only be achieved by a tool that was fully integrated with the Platforms.

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Solution Outline

- Validata developed a testing strategy (and full plan) for all aspects of testing; the client was responsible for (Functional, System, Integration, Regression, Performance and UAT)

- Validata resources worked in conjunction with those of the bank and Temenos, managing the process and developing and executing the tests

- Validata assisted users in preparing test data and to manage test artifacts stored in a central repository

- The Validata SAS solution was used to produce all the management reporting for project progress and defect and change management

- Validata SAS was also used to develop and execute a combination of automated and manual test cases through both the browser front end and the API (OFS)

- The full solution (services and product) was delivered on a time and material fee basis

- SOA Testing – Service Oriented Architecture based testing initiated for selective applications

- QA Metrics are captured using in house developed tools and reported in weekly dashboards

Validata Approach

- Full testing strategy and plan was developed

- Analysis of the existing test suite and identification the set of test cases for common and location specific functionality

- These common baseline and location specific test suites can be uploaded to QC or Validata ATS Repository

- Validata to optimize the Test Suite by aligning it to the business flows

- Weekly management reporting of progress and defect and change control was provided from Validata SAS Executive Dashboard

- The business testing requirements were recorded in Validata SAS

- The development delivery schedule was organized by module , with the test case build tailored to match

- The test cases were associated to the requirements, providing full coverage reporting for test and project management

- Functional and integration test cycles were created and executed on a regular cycle, in multiple environment

- Functional test cases are then reused to produce power ful regression test cycles for system and integration testing

- Interfaces testing

- Internet banking Testing

Benefits & Advantages

- ✓ Testing processes managed from start to finish

- ✓ With Validata providing a solution, encompassing product and resource, Temenos and the bank were able to concentrate their resources more effectively and peak capacity periods for their employees turned to normal.

- ✓ The bank were able to manage monthly costs for testing more effectively
  Validata able to offer pricing for solution which incorporated both resources and product