

## CASE STUDY - Test Automation Services through OBTAf

### For a leading financial services group in Asia

#### SNAPSHOT

##### Industry

BFSI

##### Business Challenge

- Limited scripting exposure of users
- Enable early start of automation execution of new features/ test cases
- Less test cycle time low automation scripts maintenance

##### Omnitech Proposed Solution

- Creation of Business Action keywords in excel sheet
- Use of MOCK objects concept
- Use of automatic code generator in QTP
- Test suit was ran through batch process
- Automation tests exchanged data to synchronize the activities
- The results were produced in an excel sheet and can be viewed with details and summary at customizable levels

##### Business Benefits

- Saved 35-40% of client testing cost
- Reduced overheads for Testing Automation
- Ensured higher accuracy in existing setup
- Enabled resource scalability through automation

#### Company Overview

The client is a leading financial services group in Asia, with over 200 branches across 15 markets. Headquartered and listed in Singapore, client is a market leader in Far East Asia with over four million customers and a growing presence in the key Asian markets and Middle East.

The client provides a full range of services in consumer, SME and corporate banking activities across Asia and the Middle East. As a bank born and bred in Asia, client also understands the intricacies of doing business in the region's most dynamic markets. This market insight and regional connectivity have helped to drive the bank's growth as it sets out to be the Asian bank of choice.

#### Business Challenges

In such growing marketplace, the client was riding on numerous initiatives to raise its market share and improve customer satisfaction. The client required a partner to support its software testing initiatives and meet various challenges on its automation. In a phased evaluation, some key challenges Omnitech discovered to address were :

- Users (having purely functional expertise with no scripting exposure) of the application also should be able to contribute towards test automation.
- Automation of new features/ test cases well before in advance even before they come into the application builds so that automation execution can be started as soon as possible.
- Less test cycle time and not much automation scripts maintenance if some enhancements come later on.

## Solution

Omnitech's proprietary test automation framework - Omni Business Test Automation Framework (OBTAF) helped client to overcome the above mentioned business challenges by the virtue of following features :

- Tests were specified in terms of keywords (Business actions) in an excel sheet.
- Because of ability to read test cases and test data from the excel sheets, Users found the automation creation as similar as filling excel sheets with variation of data.
- Even before the start of the project, 70% of the scripting of main functionalities was finished because of MOCK objects concept in which looking at the screenshots of the application and with the basic knowledge of the application flow, keywords were developed. Mock object is any object on the screen e.g. Text field, whose automation recording identity is initially not assigned. It is assigned once the application is available and now the scripts which have references to it can be executed.
- Automatic code generator for Keywords in QTP was used once the field and its type were mentioned.
- Test suit was ran through batch process.
- Automation tests exchanged data to synchronize the activities.
- The results were produced in an excel sheet and can be viewed with details and summary at customizable levels.

## Benefits

OBTAF framework helped the client with following benefits :

- Creation of thousands of records with the single script and exporting the existing test data in Excel sheets to automate Excel sheets without overhead
- Create more and more tests with higher accuracy, execution in real world conditions and more repetition value.
- The non-technical testers are able to create the automation tests in excel sheet giving them more power into the automation suite, which consequently helps increase the effectiveness of testing.
- Enhancements in the application handled at the screen level so that entire automation suit is not much affected i.e. Less Maintenance.
- The client has been able to save 35-40% of costs on testing alone with a dramatic increase in the number of automated tests and decrease in amount of time taken to run the tests.

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### About Omnitech InfoSolutions :

Omnitech is a global IT solutions and services provider company in the areas of business availability, business continuity and business enhancement services. With over 23 years of fostering client relationships, we at Omnitech are agile to establish the best global credentials through world class quality certifications. Besides the conduct of ISO 9001:2008 for quality management, we have also gained ISO 20000, ISO 27001 and BS 25999 standards.

As an intensely technology focused company, Omnitech banks upon its ability to anticipate and address IT requirements across business in a cost effective manner. Omnitech InfoSolutions helps customers to align their IT with their business goals and offers value added services at different phases of their IT planning and deployment cycle. We help them to derive optimum utilization of their IT resources and lower their cost of operations. Within the broad direction, Omnitech innovates in order to compete successfully. Emerging as a pioneer in business continuity services, Omnitech introduced first of its kind disaster recovery centre in India meeting all the global standards, thereby demonstrating both its knowledge of technology and skills of implementation.

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Contact Omnitech InfoSolutions today for free consultation

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