

CASE STUDY FOR FUNCTIONAL TESTING (UAT)

For one of the leading technology company

SNAPSHOT

Industry

Information and Technology

Business Challenge

A majority of the stable product features were to be revised in a short duration. The functional and pre-UAT of the product was enormous in nature due to the vast number of permutations and combinations of test scenarios

Omnitech Solution

Functional Testing and Test Management

Business Benefits

- Established a strong practice of Functional Testing in an environment where only Unit Testing was done.
- Value addition to the overall life cycle of the product by bifurcating product testing and implementation specific testing
- A Strong Pre-UAT ensured minimal user acceptance issues during the Customer UAT
- Enabled testing processes for automation
- Enabled testing processes to provide a clear quality and acceptance insight of the product to product management and higher management.

Company Overview

Our client is one of the well known technology company specializing in products for the retail and financial sectors. Its main products are point-of-sale terminals, automatic teller machines, check processing systems, barcode scanners, and business consumables. They also are one of the largest providers of IT maintenance support services.

Business Challenges

A majority of their stable product features were to be revised in a short duration. The functional and pre-UAT of the product was enormous in nature due to the vast number of permutations and combinations of test scenarios (the product was highly configurable).

Technology Challenges

The application was spread over two distinct servers with XML driven configurations. The output of the application had to be validated from both the GUI as well as server and application logs. XML based configuration files had to be modified during test execution to apply varying product configurations.

Solution

A test management discipline was established in an environment where the testing as a discipline was restricted only to Unit Testing. The testing phase was clearly bifurcated into functional testing and Pre-UAT for RBI. In the functional testing the exhaustive testing was conducted to assess the functionality of the product as a whole. In Pre-UAT RBI specific configurations were rigorously tested to ensure smooth UAT and product deployment.

Modifications to the base products were documented as RFCs (Request for Change) and hence the functional testing of the product was RFC driven. Every RFC was analyzed to assess addition of new tests or modifications to existing tests. These tests were then executed at the release time of the RFC. The set of tests were then assessed for eligibility into Regression or Smoke Test Suites. The defects identified during the execution were logged into JIRA for tracking and retesting purposes.

The results and test repository status were published as web based dashboards which gave both the product management and the upper management team a clear insight into the quality of the product at that instant. This allowed them to take early corrective measures in relation to the overall project plan.

The test cases were then documented in such a way that it made it easy for the test automation team to automate these test cases to reduce the test execution time during every release.

About Omnitech InfoSolutions :

Omnitech InfoSolutions is an ISO 9001-2000 certified technology services and solutions provider company in the Business Availability and Business Continuity space. The Business Availability services include Infrastructure Management, Application Management and Performance Management services whereas Business Continuity services include Disaster Recovery Consulting and Management, Data Vaulting and Workplace Recovery Services.

Omnitech InfoSolutions is also a world-class provider of turnkey IT solutions like Server & Storage Consolidation, Virtualization, Network Integration Solutions and Data Center Management Solutions, Omnitech provides end-to-end support with guaranteed SLA (Service Level Agreements) in order to optimize infrastructure management and align IT with business goals.

Contact Omnitech InfoSolutions today for free consultation

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