

A CASE STUDY TO CREATE A ROBUST TESTING FRAMEWORK

for a leading IT and Software Development Company

SNAPSHOT

Industry

Information and Technology

Business Challenge

To building an XML driven test automation environment in Rational Robot.

Omnitech Solution

- Detailed and Comprehensive Test ware in Visual Basic DLLs to read XML files.
- Modified scripts to read the XML test cases and execute them through the IBM Rational Robot Playback Engine.
- Improved performance stability and reliability of the Test Architecture.

Business Benefits

- Project completed as per client expectations.
- Cost and time targets achieved.
- In-depth supporting documentation created to aid further tests in the future.
- Hand – holding sessions imparted to client to empower them to execute tests by themselves in the future.

Company Overview

The client is a leading ISV and implementer of JD Edwards in India and World-wide. One of the leaders in electrical products has engaged the client to provide a “Catalog Management” solution.

The Business Challenges

The client was given the task of building an XML driven test automation environment in Rational Robot. Members of the team involved in this project were new to both Rational Robot as well as XML, with very limited exposure

The Technology Challenges

- Completing an architecture built partially by the client’s previous vendor without any supporting documentation.
- The architecture was intended towards executing test cases provided in XML format on a HTML application.
- The architecture critically lacked functionality since;
 - Large memory foot stamp of the XML data loaded in the memory
 - Incomplete and missing functionality for translating the XML test cases into executable test cases on the robot playback engine.

Solutions

Omnitech’s team of experts executed the following key tasks to achieve the desired results

- Created detail and Comprehensive Test ware in the form of Visual Basic DLLs to read XML files
- Modified scripts to read the XML test cases and execute them through the IBM Rational Robot Playback Engine
- Incorporated functions into the Test Execution Architecture for logging and reporting test messages into SQA Log as well as XML logs
- Ensured proper completion of all the designated test cases (specified in XML format)
- Improved performance stability and reliability of the Test Architecture

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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