

A CASE STUDY TO UPGRADE AND STANDARDIZE THE DEVELOPMENT PROCESSES AND TO TEST THE EXISTING LEGACY SYSTEMS

for a leading Life Insurance Company

SNAPSHOT

Industry
Insurance

Business Challenge

Undocumented legacy applications and lack of any formal SDLC processes including testing processes.

Omnitech Solution

Implementation of Rational Unified Process (RUP) for every software development process. Legacy System (COBOL) Code reverse engineered to incorporate into Rational Rose by creating a plug-in. Incorporating and implementing IBM Rational and Compuware tools for SDLC processes. Migration of the Legacy Application to current IT technologies

Benefit

- Accelerated use of UML.
- Streamlined requirements management process.
- An effective Testing Process setup
- Change Management Process to efficiently track alterations.
- Automated documentation of existing Legacy Application (COBOL).
- Extensive Test Automation for reducing release cycle durations.
- Implementation of new Technology projects using Rational XDE.

Company Overview

The client is India's largest life insurance company. The company is headquartered in Mumbai, India with more than 100 divisional offices.

Business Challenges

The client has its in house software development team and all key business processes are conducted through software. The use of software to handle business processes started years back when COBOL was the only available solution to meet their IT needs. This legacy system met most of their business process needs. Although, limitations of their system when compared to current technology possibilities was definitely evident only few projects were employed with the current technology. Lack of functionality in their legacy system and growing business scale was the key driver to upgrade technology standards.

Technology Challenges

- Undocumented legacy applications.
- Outdated technology.
- Lack of any formal SDLC processes including testing processes.
- No formal Requirements Management techniques or processes were in place.
- Limited Change Management processes and documentation.
- In-house IT staff with limited understanding and knowledge of current IT trends, methodologies and processes.

Solution

Omnitech's team of experts understood to situation in details and with their technology expertise especially in the areas of Application Management Services and testing suggested the overall improvement areas and deployed below mentioned solution.

- Implemented the Rational Unified Process (RUP) for every software development process.
- Legacy System (COBOL) Code was reversed engineered to incorporate into Rational Rose by creating a plug-in.
- Detailed Documentation for all existing legacy applications with UML was provided.
- Established the disciplines of Requirements Management, Testing, Build and Release Management and most importantly Project Management.
- Incorporated and implemented IBM Rational and Compuware tools for SDLC processes.
- Rapid implementation of new projects using IBM Rational XDE was aided
- The software development process was streamlined by incorporating IT best practices.
- The Legacy Application was migrated to current IT technologies available.

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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