

VB 6.0 to .NET Migration

ERP/SCM Re-Engineering

Objective: Replatforming enterprise Logistics/ERP/Sales/Accounting System to .NET – End-to-End

Existing Application

- VB 5 Desktop Application
- Oracle 8i
- Citrix

The Challenges

- UI elements were being directly referred in the Business Layer resulting in difficulty in conversion to .NET as certain controls in the UI are not easy to convert
- The objects generated as result of Existing Data Access Layer were not thread safe
- The business logic was not very well consolidated.
- Existing architecture lacked support for SOA flexibility and extensibility
- Typical Challenges of Desktop Application (Navigation, Dedicated DB Connections, Application Distribution)
- Licensing issues due to Citrix
- Deployment issues to multiple client installation

Impacted Business Lines

- MRP

Key Objectives

- N-tier web based application using .NET technology
- WEB farm using IIS6.0
- SOA based architecture
- Web Services for integration with external systems
- Framework based on MVC Architecture
- Dynamic Page generation capability
- Dynamic invocation of business layer. (Developer would just Code the business layer and configure the hooking through XML)
- Making Maximum use of Existing Code
- Add functionality without Framework Recompile
- A Flexible Validation framework
- Flexibility to Add Smart Clients
- Scalable
- Separation of Database Specific API from the .NET Code
- Reusable Component Based Architecture

Number of Users

3000 Users

Number of Concurrent Users

1500 Users

Existing Application Line of Code

2 MLOC

Project Duration

24 Months (in progress)

Project Effort

120,000 Hours

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