Migration of Insurance Application

// PROJECT DESCRIPTION & BACKGROUND

Fairfax developed a window based application product to cater the mortgagee industry. This product was built in GUPTA SQL, Centura with SqlBase. This product was developed in-house and was currently maintained by the IT-division of the customer. This product has been built over the years incorporating all the business logics. However due to increase in maintenance cost and to make the system more flexible, they have decided to come out from the old legacy system and go for popular platform. In this circumstances ADA Software was given charges to convert the entire application written in Centura to a Web Solution using Microsoft technologies.

1. The primary challenge was to convert a window based application to another Microsoft technology based web platform applying re-engineering technique and this re-engineering technique should ensure the business logics remain intact and no information is lost during the process.
2. The Look and feel of the client server interface needs to be exactly replicated in the web solution with enhancement if possible.
3. Conversion of native command & function of the Centura.

// PROJECT DESCRIPTION

The scope of the project was creation of Meta model, detail analysis, drawing up specification, application conversion along with manual correction. Conversion was done on the entire source (almost 2 million loc) written in Centura and made the converted source to work with all the existing business logics. During this course, it was kept in mind that the target platform should be allowed to use its own language specific syntax and reduce the garbage wherever required. ADA Software developed a tool in Visual basic and Core Java for the re-engineering purpose. This tool can generate the source with 70% accuracy. Using this tool ADA recovered the .NET(C#) classes containing all the business logics and functionalities. This approach has speed up the total progress of having new web based solution.

Platform used for Web based solution: Microsoft .NET Framework 2.0, Asp.net using C#, WebServices, SOAP, Telerik Components, Microsoft Sql Server 2005. Conversion of Gupta Sql to .NET(asp.net using C#)

// THE CUSTOMER

The Customer is a technology company providing critical business support as an insurance application service provider (ASP) and managed infrastructure services to all industries. Originally it was formed as an independent technology company to support insurers, reinsurers, risk managers, agents and brokers with proven eBusiness and other technology solutions designed specifically for the insurance industry. These proven products encompassing ASP solutions for underwriting and claims, paperless web based file systems and BPO services were developed by leveraging their experience in managing insurance processes on a global basis for their parent company, a Canadian conglomerate.

With the experience gained from their successful infrastructure management performance, a managed infrastructure services practice has been established wherein they further leverage their expertise. This outsourcing practice is designed as a generic solution for any industry's mainframe and server — z/OS, Open Systems, Windows and AS/400 — outsourced environment. The Company provides a full complement of services appropriate to any industry including Financial Services, Transportation, Utilities, Pharmaceutical and Manufacturing.
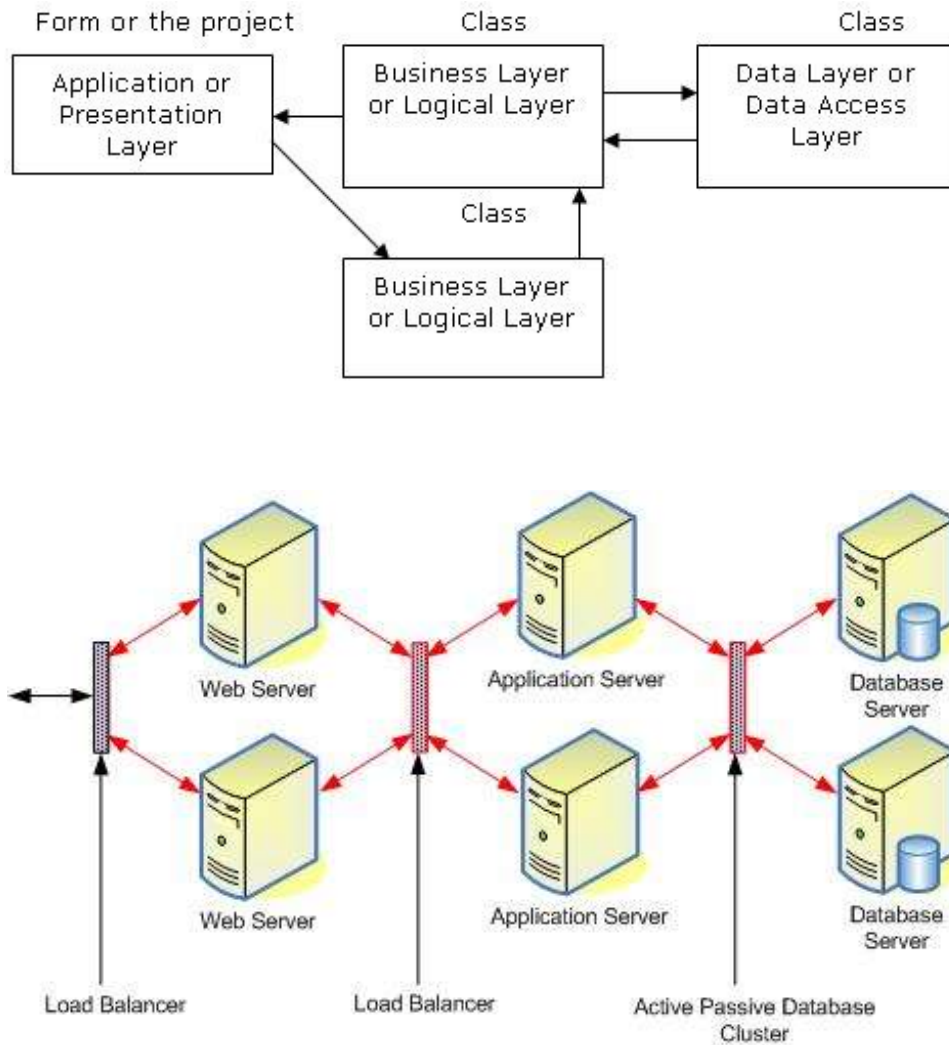
// CUSTOMER LOCATION

PRIMARY – MORRISTOWN, NJ, USA

// INDUSTRY

IT Services & Support

Following Architecture adopted by ADA Software is presented below diagrammatically:

// BENEFITS TO THE CUSTOMER

- Cost saving during operations and maintenance
- Relieved from mainframe license
- No Compromise on performance
- Better end-user satisfaction and faster time to respond to regulatory changes
- Modern Technology Upgradation

// SIZE OF TEAM EMPLOYED

On-site: As required from time to time
Offshore at ADA Software – India: 1 Project Leader | 7-8 Programmers

// PROJECT COMPLETION TIME

6 – 8 months

Tool based migration approach ensures unaltered business function