Scaling up web application and server environment to avoid bottlenecks

Objective

The current web application used by client was supporting a variety of insurance programs related to personal property, personal auto, commercial auto, property and liability. Pyramid's objective in this case was setting up an environment combined with a build and release management. To define a software development methodology, redefine and automate the existing business processes, increase efficiency and maximize assets.

Challenges

- The client has a central web site which delivers updated information for various insurance products. Maintenance was a priority as thousands of participants would regularly log on to update themselves
- The other issue on hand was whether the site could handle a peak load of 3000 agents logged on at the same time. And how web application and server environment could be scaled to avoid bottlenecks

Approach

Developed a common understanding of how strategic business direction applied to various business processes. Pyramid identified and prioritized opportunities across all departments and application initiatives to align technology with business value. Doing so through:

- Reuse of code
- Moving towards SOA
- Better definition of project prioritization
- Good understanding of application as rationalization frameworks

Business Benefits

- Pyramid improved the existing applications and processes through its team of professionals; expert in their niche domains
- Using its technological expertise, Pyramid enhanced the user experience and presented various departments with an efficient way of doing business

Industry Segment

Insurance

Customer Profile

Client is a premier insurance firm dealing in property, casualty, and transportation products. It also specializes in hard to place, specialty, excess and surplus line risks.

Technology and Tools

- .NET 3.5 (WCF, WPF)J2EE
- SQL Server 2008
- Log4Net
- Subversion
- Cruise Control
- N Unit
- Testing Tools (Load Runner & QC)

Solution Highlights

- Scaling web application and server environment to avoid bottlenecks
- Verifying stability of applications close to peak load
- Identifying potential bugs undetected in testing phase

Related Solutions

- Application Development, Design and Implementation
- Systems Integration and Consolidation
- Support, Maintenance, Re-engineering and Performance tuning
- Feasibility and Requirement Analysis for business scenarios
- On-going application maintenance and support

About Pyramid

Pyramid Consulting Inc. is a global technology and process driven software solutions company offering customer centric solutions. With knowledge and experience of the entire IT lifecycle, we help enterprises streamline core IT processes and augment their competitive advantage. Pyramid's global delivery model harnesses productive tools, agile methodologies, iterative processes and expert frameworks to provide innovative and cost-effective solutions.

Our domain and industry experts engineer robust technology solutions for clients in a wide range of industries including retail, logistics, healthcare, insurance, software development, financial services, media, publishing and telecommunications.

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