



Manage your Card Account (MYCA) System



The Summary

The organization has a global presence in over 19 countries around the world providing credit card and travel related services. The current infrastructure is built around legacy mainframe systems and run in WAS 2.0.3, they need their services abreast with the technology change so that they can respond with fast solutions to the ever-increasing business needs. A phased approach was adopted to execute the migration initiative so as maintain continuity of the services and also to study the application behavior in the new environment.

The Client

Our client is a reputed name in the credit card and travel related services. The organization has a global presence in over 19 countries around the world, committed to become the most respected brand in credit card and travel segment. Client provides quality service to its clients by adopting and implementing the latest technologies to maintain the edge over its competitors.

The Business Requirement

Current infrastructure is built around legacy mainframe systems and runs in WAS 2.0.3. The versions of various java technologies like Servlets, JSP etc supported by WAS 2.0.3 are archaic and it is increasingly difficult to support, maintain and develop applications conforming to these standards. A drive was launched to make their services abreast with the technology change so that they can respond with fast solutions to the ever-increasing business needs.

The Solution

Since the existing application was running on WAS 2.0.3 it was decided to stick with the same vendor and migrate to a newer and more stable version offered by the same vendor viz., WAS 4.0.3. The major thrust of the migration was to refine, refactor the existing java code to maintain absolute modularity and to explore all possible ways for enterprise level re-usage of the modules. Emphasis was given to weed out proprietary implementations, which are readily available in the new specifications.

A phased approach was adopted to execute the migration initiative so as maintain continuity of the services and also to study the application behavior in the new environment so as to incorporate the best technical know how for the yet to be migrated services.

Project Summary

Industry: Banking

Client Profile: Largest Bank in credit card and travel related services

Business Requirements:

Client need their services abreast with the technology change so that they can respond with fast solutions to the ever-increasing business needs.

Solution:

A phased approach was adopted to execute the migration initiative so as maintain continuity of the services and also to study the application behavior in the new environment.

Solution Benefits

- Improvement in the response time
- Consistent look and feel for all the 24 Markets
- Provides room for unrestricted vertical scaling
- More functionalities and less time to implement



AG Technologies

E-Statement is one among the application module of MYCA which caters specific online functionalities to the card members like transactions details, reward point details / redeeming facilities, paperless functionalities, Online payment for utility bills etc., and enroll in a number of other Self-Servicing functions online.

Technical Implementation

E-Statement migration initiative clearly focused on reducing end user response time, by eliminating various bottlenecks present in the existing application which prevented the vertical scaling of the application, MYCA is based on an n-tier architecture using the MVC design pattern. To provide a scalable approach an asynchronous frame work based on JMS wrapper over MQ - Series was employed to decouple the Enterprise applications. The proprietary Transaction frame work used to issue Mainframe Transactions) which was earlier running on command bean servlet framework was migrated to using the session bean approach, All proprietary functionalities used in the old JSP's were replaced by equivalent functionalities offered by the current JSP specification. Custom Tags were used to enforce consistent look and feel throughout the 24 markets planned for migration. It's a known fact that images in the contents keep quite often changing to satisfy the business requirement, special attention was paid to address this fact using custom tags and none of the images were hard coded in the JSPs.

The Solution Benefit

- Testing results have shown vast improvement in the response time over 2.0.3, due to the fact that various optimizing techniques like mid-tier caching were employed.
- Consistent look and feel for all the 24 Markets, which was earlier at the mercy of the content developer.
- Provides room for unrestricted vertical scaling and as there are near about 6 million users registered with this application.
- New technologies means more functionalities and less time to implement, which in turn means less time to market, which in turn helps maintain a competitive edge.