Case Study

Banking And Financial Services

A leading American secondary mortgage firm achieves 50% TCO reduction in their Cloud Replatforming journey

The Client

A leading secondary mortgage company and publicly-traded firm in North America.

The Business Challenge

The client was looking to leverage the possibilities of the cloud to make their business more agile, resilient and customer-focused. Their primary bottleneck was a complex Java web application that was developed 12 years ago on Web Logic (App Server and WebLogic MQ) using Session EJB, Message Driven Bean and Entity Bean, Struts, JSP etc. This legacy application was business-critical and handled core financial business processes. Additionally, non-availability of key SMEs who had developed this application posed critical challenges to the cloud migration journey.

The Hexaware Solution

Hexaware solution proposed solution was amaze®, a proprietary and automated application replatforming solution for mass cloud migration primarily designed for Java and .Net applications. An initial assessment was performed to understand associated risks, cost, timeline and inter-dependencies. The automation led holistic approach involved the following well-defined methodology.

- The application was broken into the Web front-end and Service Back-end
- The back-end session EJBs were re-platformed to independent Spring Boot Service Apps with REST End Points
- The Message Driven Beans were refactored to Spring Message Beans
- The Entity Beans were refactored to JPA
- All Business Services were refactored as independent Macro Applications with all dependencies
- The Web Front and each Service App were then deployed in Tomcat on separate containers on AWS ECS providing infinite scalability, high availability, high fault tolerance and improved performance
- The Web Front and Macro Services were made Stateless with Redis cache
- The Service REST API End Points were secured with oAuth2
- Automated Testing was generated for all Macro Services
- Containerization Scripts and CI/CD Pipeline were generated for each Macro Service and Web Front

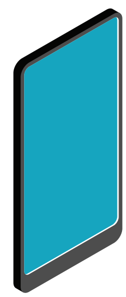
The Business Benefits

TCO reduction by over 50%, mainly due to the elimination of WebLogic (App Server & WebLogic MQ) and Containerization

Increase in development productivity due to macro-services and CI/CD automation

The **total cost of implementation was reduced by over 50%** using Automation

Implementation was completed in 6 weeks with amaze® (the same would have taken 9 months if done manually without amaze®)



About Hexaware

Hexaware is the fastest growing next-generation provider of IT, BPO and consulting services. Our focus lies on taking a leadership position in helping our clients attain customer intimacy as their competitive advantage. Our digital offerings have helped our clients achieve operational excellence and customer delight by 'Powering Man Machine Collaboration.' We are now on a journey of metamorphosing the experiences of our customer's customers by leveraging our industry-leading delivery and execution model, built around the strategy— Automate Everything®, Cloudify Everything®, Transform Customer Experiences®.

We serve customers in Banking, Financial Services, Capital Markets, Healthcare, Insurance, Manufacturing, Retail, Education, Telecom, Hi-Tech & Professional Services (Tax, Audit, Accounting and Legal), Travel, Transportation and Logistics. We deliver highly evolved services in Rapid Application prototyping, development and deployment; Build, Migrate and Run Cloud solutions; Automation-based Application support; Enterprise Solutions for digitizing the back-office; Customer Experience Transformation; Business Intelligence & Analytics; Digital Assurance (Testing); Infrastructure Management Services; and Business Process Services.

Hexaware services customers in over two dozen languages, from every major time zone and every major regulatory zone. Our goal is to be the first IT services company in the world to have a 50% digital workforce.

Learn more about Hexaware at **https://www.hexaware.com**

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