50% TCO Savings in Sybase to AWS Postgres Database Cloud Migration for a Mortgage Firm

Case Study

ABOUT THE CLIENT

- A leading mortgage company and publicly-traded firm in North America
- Net worth of 20+ billion dollars

BUSINESS CHALLENGES

The client wanted to migrate its on-premises Sybase database to AWS PostgreSQL as a containerized application. The challenges were as under:

- Business-critical applications handling key financial processes
- Conversion of approximately 350 endpoints from EJB to Rest API
- DB had around 900 critical stored procedures
- DB to be migrated to production without impacting day-to-day business and customer experience
- Leverage Aurora PostgreSQL DB in dev, test, and production
- The size of the Sybase database was 345 GB and contained more than 54 million records with complex data types like XML, BLOB, CLOB, and table partitions

KEY REASONS FOR MIGRATION

- Sybase doesn't have much support on the cloud, especially AWS
- Sybase not flexible enough, setting contingency and data replication across regions is complicated
- High licensing costs for database increases TCO

HEXAWARE APPROACH AND SOLUTIONS

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

SOAP web services were converted to REST, replatformed to Spring Boot and deployed to AWS ECS Fargate containers

Batch programs were converted to Spring Boot and scheduled and managed using ECS task

By using the amaze® refactoring engine, the applications were migrated from Sybase to AWS Postgres Aurora DB

All the DB objects like stored procedures, packages, functions, triggers, views, and DMLs migrated to Aurora PostgreSQL automatically within 6 weeks

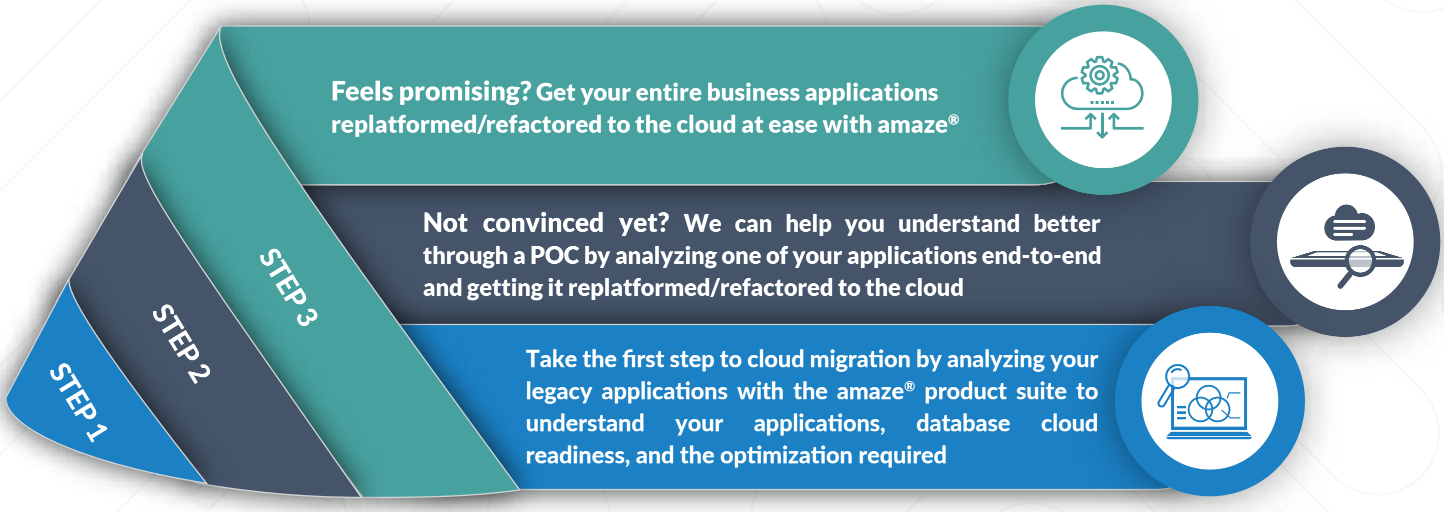
KEY AMAZE® BENEFITS

Postgres has full support in AWS and works well in data replication across regions

TCO reduction by over 50%

Implementation costs reduced by 50%

AMAZE® WIN-WIN MODEL



About Hexaware

Hexaware is a global IT services company empowering businesses worldwide to realize digital transformation at scale and speed. Our three-pronged strategy of Automate Everything®, Cloudify Everything® and Transform Customer Experiences® endeavors to drive human-machine collaboration for solving complex business problems. We enable future-ready organizations and market leaders to create lasting business value by helping them offer touchless immersive customer experiences through full-cloud enablement, digital product engineering and extreme automation.

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.

We believe technology is a magical thing, and our purpose is to create smiles through great people and technology. Headquartered in New Jersey for North America, London for Europe and Singapore for the Asia Pacific, Hexaware services customers in over two dozen languages from every major time and regulatory zone.

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