



CASE STUDY

Consumer products company retires technical debt by migrating to Amazon Aurora

Godrej Consumer migrated from Oracle DB to Amazon Aurora PostgreSQL ensured 90% cost reduction and 70% improvements in query response times.

Case Study Summary

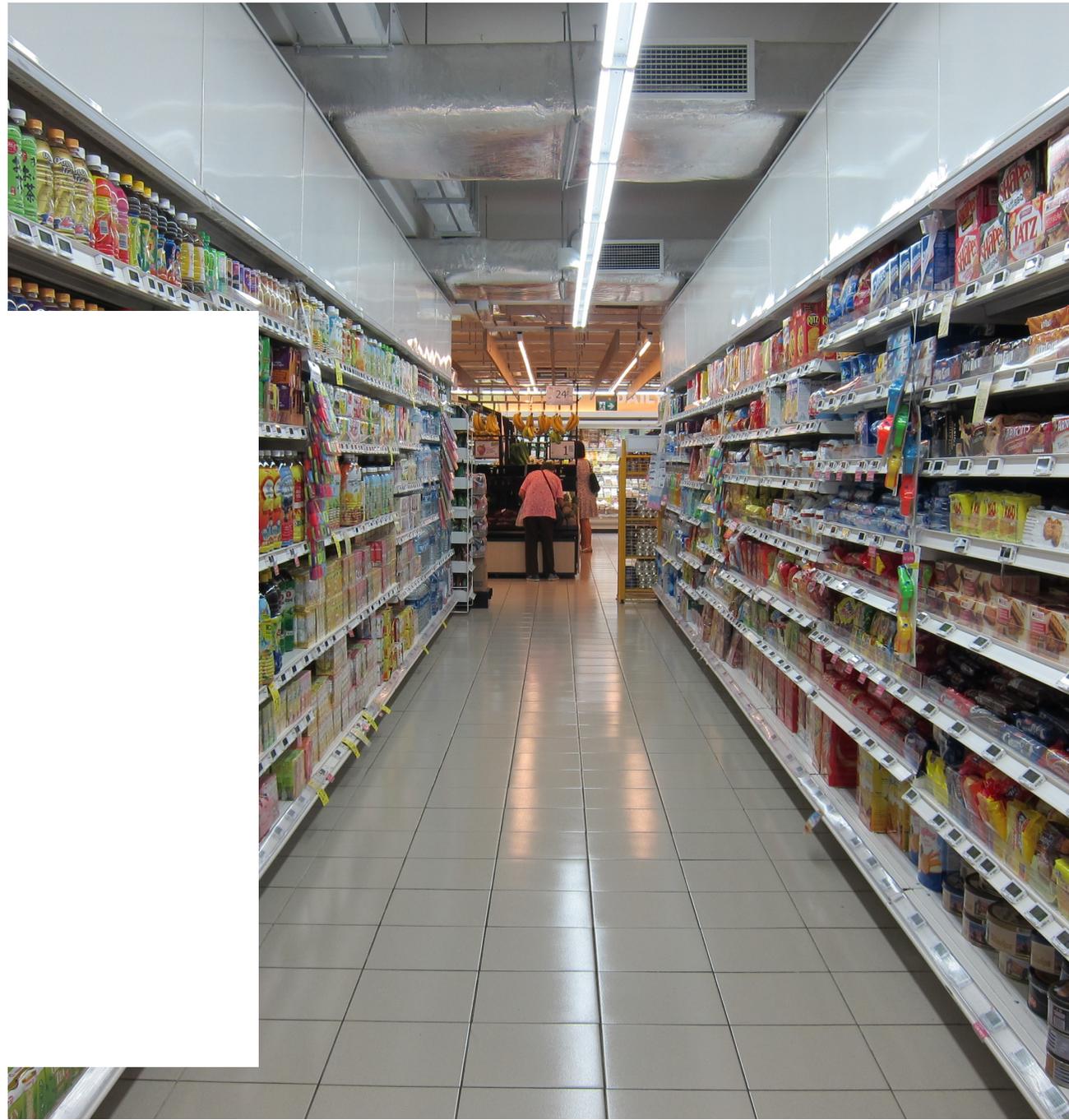
- GCPL successfully migrated from Oracle DB to Amazon Aurora PostgreSQL DB, improving database performance by 5x and increasing scalability to handle growing data volumes.
- The migration reduced monthly operating costs by 90% and improved query response times by 70%, while maintaining minimal downtime of only 15 minutes.
- The new system can handle up to 15,000 transactions per second and has a capacity for over 10 million devices, enabling Godrej Smartmatic to scale operations and meet customer demands.
- Mactores' automated migration approach ensured a smooth transition, leading to enhanced security, cost savings, and increased customer satisfaction and business growth.

About The Customer



Godrej Consumer Products is a consumer goods company based in Mumbai, India. The company produces a range of consumer products, including personal care products, home care products, and insecticides.

Some of the company's well-known brands include Good Knight, Cinthol, Godrej Expert, Godrej No.1, Hit, and Ezee. Godrej Consumer Products operates in several countries around the world, including India, Indonesia, Africa, and Latin America.



Customer Situation

Godrej Smartmatic manages Aeromatic systems deployed in large buildings and was built on Java Spring Hibernate using Oracle DB at the backend.

However, as the number of devices and orders processed daily increased, Godrej Consumer Products Limited (GCPL) faced scalability and performance issues with their Oracle DB infrastructure.

GCPL needed a more robust and scalable database system that could handle the growing volume of data without compromising the application's performance.



"With the help of Mactores, we successfully migrated our Oracle DB to Amazon Aurora PostgreSQL DB. Their automated migration approach allowed us to complete the process efficiently and accurately, ensuring that our data storage system and ordering application could manage the high volume of orders and devices with ease."

Milind Korgaonkar

Head IT - Godrej Consumer

Our Approach

The first step was to perform an automated assessment of the existing Oracle DB schema, application and integration dependencies, deployment, and security. Based on this assessment, a comprehensive migration plan was designed with database selection, migration options, and integrations to ensure a secure, scalable, compliant, and cost-effective deployment option.

In the build and test phase, a scalable architecture was created on the cloud, and the data was migrated from the Oracle DB to Amazon Aurora PostgreSQL DB. To ensure the accuracy of the data migration, automated testing tools were used.

Mactores' automated migration approach allowed for a quick and efficient migration from Oracle DB to Amazon Aurora PostgreSQL DB, ensuring a smooth transition for Godrej Smartmatic.

Business Outcomes

The migration reduced the monthly operating cost by 90% and improved query response time by 70%. The downtime during migration was only 15 mins, minimizing disruption to business operations. The new system can now handle up to 15,000 transactions per second and has a capacity of over 10 million devices. The migration also enabled Godrej Smartmatic to scale its operations to meet the growing demand of its customers. These outcomes not only resulted in cost savings and improved performance but also in increased customer satisfaction and business growth.

Technical Outcomes

Migrating from Oracle DB to Amazon Aurora PostgreSQL DB improved database performance by 5x, increased scalability, provided cost savings, enhanced security, and was completed with minimal downtime. Overall, the migration resulted in an efficient, cost-effective, and secure database solution, which improved the application's performance, scalability, and availability.

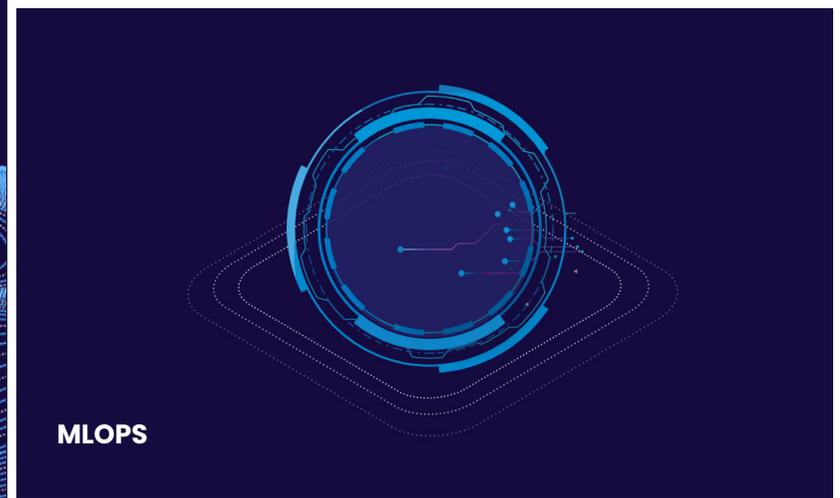
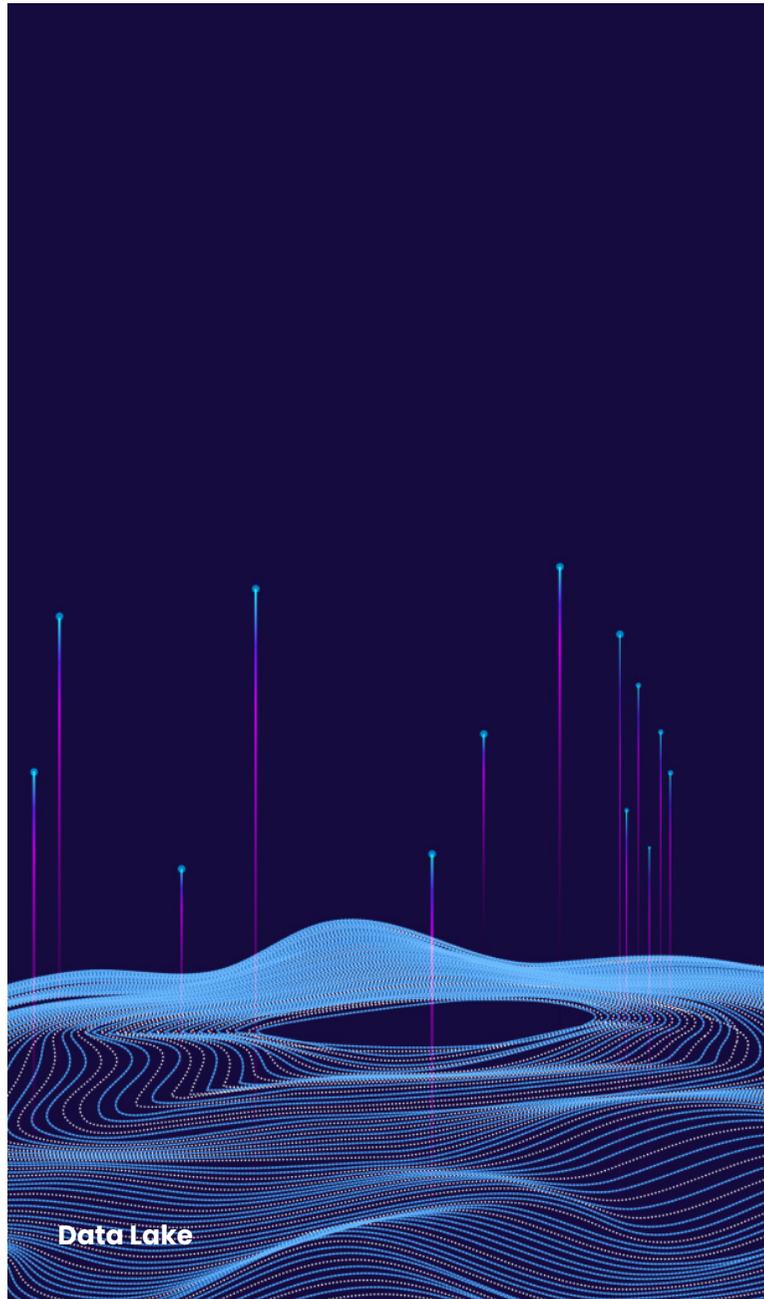


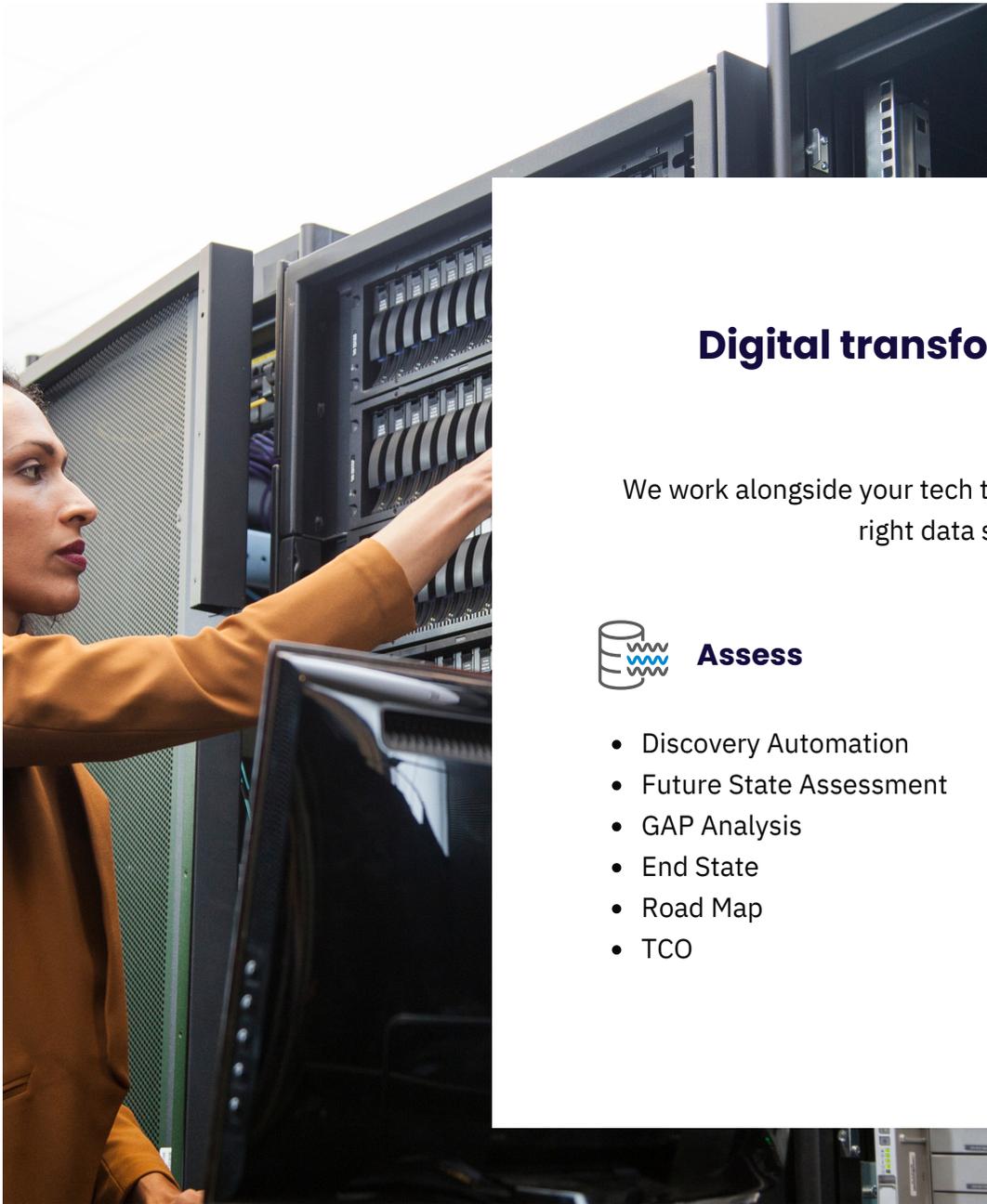
Getting Started

GCPL started with an immersion day to discuss their situation, leading to a 4-day workshop to ideate the path forward for GCPL's situation.

This workshop led to 4 weeks of Proof of Concept, and upon the success of the POC, GCPL accelerated their migration/modernization using Mactores Accelerators in 14 weeks.

Our
Solutions





Our Process

Digital transformation via assessments, migration or modernization

We work alongside your tech team to assess and strategize what you need and how to implement the right data solutions on time, on budget and with c-suite buy in.



Assess

- Discovery Automation
- Future State Assessment
- GAP Analysis
- End State
- Road Map
- TCO



Migrate

- Strategy
- Execution
- Migrate
- Migration Acceleration



Modernize

- StrategyFuture State
- Design
- Build
- Automate

AWS Validated Competencies



AWS Validated Service Deliveries



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