

Future-Ready Transformation with Oracle Migration



OVERVIEW

A global locomotive giant using IBM ELM and dealing with legacy MS SQL database limitations, successfully transitioned to Oracle with the help of MicroGenesis. Leveraging their existing Oracle infrastructure and internal database expertise, the comprehensive process included transitioning applications from one virtual environment to an updated virtual infrastructure, providing greater scalability and improved performance.

THE CHALLENGES

The locomotive company faced several challenges with its aging MS SQL infrastructure



Obsolete technology

The end-of-support for SQL DB could no longer support necessary updates, posing security risks and operational inefficiencies.



Performance issues

As workloads grew, the database struggled to manage day-to-day operations, leading to slower system performance and frequent user complaints.



Limited scalability

Without migrating to a modern platform, the company was unable to upgrade to IBM ELM version 7.0.3, restricting its ability to integrate new features and improve workflows.

THE SOLUTION

MicroGenesis worked alongside the client's internal Oracle DBA team to ensure a smooth transition to Oracle while minimizing additional investments. Ensuring enhanced system efficiency, seamless upgrade to ELM 7.0.3's advanced features, minimal downtime, and continuous post-migration and upgrade support.

Oracle selection



Given the company's existing Oracle infrastructure and internal team's expertise, Oracle was chosen as the optimal solution to ensure a seamless integration.

Collaboration with internal teams



MicroGenesis provided advisory support on database setup, permissions, and storage configurations, while the internal DBA team handled much of the hands-on work.

Phased migration approach



Migration was completed in phases, with the team conducting performance validation after each step to guarantee smooth operation.

Post-migration support



MicroGenesis continued to provide support and troubleshooting post-migration to ensure any issues were promptly addressed.

KEY OUTCOMES

The migration empowered the locomotive company to unlock new features and better leverage their internal resources. They also experienced enhanced system efficiency and reduced operational bottlenecks.

Increased efficiency



Post-migration, the company reported faster system speeds, reduced downtime, and improved project workflows.

Cost-effective migration



By leveraging their existing Oracle infrastructure and in-house DBA expertise, the company minimized additional investments.

New features and capabilities



Post-migration MicroGeneis helped the company to upgrade to IBM ELM version 7.0.3, unlocking new features.

Long-term growth potential



With Oracle's modern infrastructure, the company is now equipped to handle future expansions and scale its operations as needed.

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