CASE STUDY

Modernized Data Platform for the Largest American Entertainment Company Leveraging LTIMindtree's Scarlet Dependency Analyzer

Client

The client is a multinational music company based in New York. It is managed by the American division of a Japanese conglomerate with a presence in more than 70 countries. The company supports a diverse roster of international superstars, budding and independent artists, and visionary creators.

Challenges

High licensing cost of the existing data storage database

Lack of functional and performance benchmarks

Limited performance and scalability of the existing database

Need for highly available, secure, and cost-effective database to replace the existing one

LTIMindtree Solution

01 Assisted with migrating enterprise Oracle-based order management application to Aurora PostgreSQL, transitioning to an optimized database solution, eliminating future Oracle licensing costs

02 Performed functional and performance benchmarking validation and fine-tuning to ensure the target PostgreSQL database's success criteria were met/exceeded

03 Provided specific and actionable reports on functional and performance benchmarking results, observations, and recommendations at critical milestones

04 Created an AWS cloud architecture for a secure and scalable data landscape, thereby controlling costs, using Simple Storage Service (S3), Aurora PostgreSQL, AWS Database Migration Service (DMS), and AWS Schema Conversion Tool (SCT)

05 Migrated 124 Oracle Database (DB) schemas containing 2,71,897 object types, totaling 29.16 TB in memory size

06 Produced performance benchmarking on the Aurora PostgreSQL dataset with complex and medium SQL queries for monitoring and optimization of performance

07 Transferred document objects from the Oracle database to the file system

08 Performed database operational readiness tests to check the readiness and compatibility of the target database for the next-generation tools

09 | Integrated upstream and downstream applications as part of the final stages of modernization to AWS Cloud

10 | Leveraged LTIMindtree Scarlet Dependency Analyzer to create a dependency chart by identifying various entry points and chains of dependencies

Business Benefits

Automated analysis using LTIMindtree Scarlet Dependency Analyzer, reducing manual efforts

Migrated more than 29 TB of data within a tight timeframe

Eliminated high licensing costs and embraced cost-effective open-source tools

Gained cost savings by migrating to open-source technology

Improved data portability across various platforms

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