

CASE STUDY

Unlocking Data Magic: Teradata to Databricks Migration with LTIMindtree Alcazar



Client profile

A British multinational professional services partnership provides consulting, assurance, tax, and transaction services.



Business challenges

01

Converting stored procedures and views from Teradata to Databricks required manual intervention. It involved a significant effort to identify Databricks equivalent syntax and functions.

02

Syntax issues, including special characters and extra spaces in column names, posed challenges requiring manual resolution during code conversion.

03

Concurrency update issues surfaced, requiring the implementation of table partitioning on specific columns for resolution.

LTIMindtree solution

- 01** | LTIMindtree introduced Alcazar into the client's environment to streamline and automate the conversion process.
- 02** | Established DevOps pipelines in collaboration with the client's DevOps team, facilitating smoother migration of objects in batches to higher environments.
- 03** | Post-schema migration, data testing, and validation were conducted, leveraging Alcazar for efficient row count validation.
- 04** | The Alcazar tool significantly reduced manual efforts required for migrating Teradata objects, ensuring a seamless transition with minimal disruption.
- 04** | Implemented continuous monitoring and optimization strategies after migration. These strategies fine-tuned performance and addressed unforeseen challenges, ensuring long-term reliability and efficiency of the Databricks environment.

Business benefits



Migrated 637 objects in five batches, ensuring a smooth transition with minimal downtime.



Achieved an impressive 70-80% automation rate throughout migration, optimizing efficiency and reducing manual labor.



Realized approximately 60% cost savings by leveraging Alcazar for conversion, streamlining the process, and minimizing associated human effort and costs.

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