LTIMindtree Alcazar

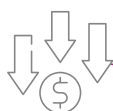## Accelerated data modernization journey using DBRX

About the **solution**

Modernizing on-premises data platforms demands a high degree of planning, reverse engineering, and technical competencies, leading to higher costs, effort, and significant time.

LTIMindtree's Alcazar is an intelligent modernization accelerator for Databricks migration that addresses these challenges. It provides automated solutions for Data/Schema and Extract, transform, and load (ETL) migration using Databricks native DBRX open large language model (LLM). It further converts, optimizes, documents, and adds descriptive comments to the code. It generates test cases and validates the converted code for accuracy and performance.

Benefits/outcomes

Cost saving

Massive cost savings due to reduced migration time and manual efforts.

Reduced efforts

Automation and simplification streamline data platform migration

De-risk migration

Key principles, best practices, and industry guidelines are the backbones of our accelerators.

Optimized platform

Uses DBRX open LLM for quick and easy migration of assets to Databricks.

Features

Analyze:

Our solution offers comprehensive analysis tools for your on-premises RDBMS environment. Understand object complexity, prioritize optimizations, and gain insights into your application landscape. Easily digest findings through summarized reports and intuitive visualizations for better decision-making.

Schema migrate:

With our automated solution, you can seamlessly migrate your schema to Databricks Catalog. With automatic conversion, you can migrate tables, views, queries, scripts, and procedures. We address over 50 incompatibilities automatically, ensuring a smooth transition to Databricks without any hassle.

Code migrate:

Automate your code conversion with our solution. Convert source queries and scripts to DataBricks PySpark notebooks effortlessly. Receive detailed logs and instructions to fix incompatible code, ensuring a seamless migration process. Benefit from continuous enhancements to handle new migration patterns, ensuring compatibility with evolving requirements.

Data migrate:

Efficiently migrate your data from relational database management system (RDBMS) to Databricks with our solution, supporting multiple file formats for flexibility. Identify and fix errors during migration, with monitoring of performance and optimization if needed.

Data validation:

Ensure data integrity with comprehensive data validation features. Reconcile data between source and Databricks, including migration stats, record counts, and detailed comparisons of sum, min, max, and average values. Identify and resolve any source and target mismatch details, ensuring accurate data migration and validation.

Value proposition

Accelerate the migration to up to **60%** with our automation-led approach

Up to **20%** Databricks platform cost optimization

Up to **2X Faster** Go-To-Market due to accelerated Databricks adoption

CTA

For an obligation-free live demo, write to **abhishek.patel@ltimindtree.com.**

About LTIMindtree

LTIMindtree is a global technology consulting and digital solutions company that enables enterprises across industries to reimagine business models, accelerate innovation, and maximize growth by harnessing digital technologies. As a digital transformation partner to more than 700 clients, LTIMindtree brings extensive domain and technology expertise to help drive superior competitive differentiation, customer experiences, and business outcomes in a converging world. Powered by 81,000+ talented and entrepreneurial professionals across more than 30 countries, LTIMindtree — a Larsen & Toubro Group company — combines the industry-acclaimed strengths of erstwhile Larsen and Toubro Infotech and Mindtree in solving the most complex business challenges and delivering transformation at scale. For more information, please visit https://www.ltimindtree.com/.