LTIMindtree Alcazar
The Lakehouse Castle

Accelerated & Cost-Effective Data Platform Modernization to Lakehouse

Data explosion is a major phenomenon that poses challenges to traditional on-premises data warehouse platforms in today's world. Continuous scaling of the platform does not appear to match data velocity, resulting in high procurement and operational costs. And hence, organizations are moving toward cloud-based data platforms that provide greater flexibility and cost-effectiveness. Traditional analytics platform comprises many different tools and present integration cost and challenges. Databricks Lakehouse provides a unified platform to store, process, and report on data; and execute AI/ML-based advanced use cases.

However, modernizing on-premises data platforms to the cloud demands a high degree of planning, reverse engineering, and technical competencies that amounts to higher cost, efforts, and significant time.

Alcazar, an intelligent modernization accelerator for Databricks addresses these migration challenges by providing automated solutions for Data/Schema and ETL migration. And a suite of ML ops accelerators simplifies AI/ML implementation with Databricks making it real to test and develop Advanced Data Science use cases at a great speed.

Services

Data Platform Modernization
Suite of Accelerators to Migrate Legacy Data Warehousing (DHW), Massive Parallel Processing (MPP), and Hadoopto Databricks
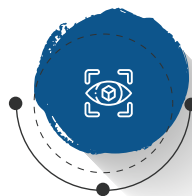
Databricks certified Experts and Dedicated COE

Databricks Migration
Accelerator & FinOps Accelertor Costand Performance Optimization

Data Engineering
Consulting-led design framework for Databricks Implementation

Plan and Strategize

Data Science
AI/ML-driven Use Cases

Model Training & Dedicated Practice & Model Repository

ML Ops
Model Build & Operationalization @Scale

CI/CD for AI Model

Accelerator for AI/ML Ops

Accelerators | Performance | Cost | Architecture | Future-proof | Governance | AI/ML

Key **Benefits**

Cost Saving

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

Reduced Efforts

Reduced effort due to
the automation and
simplification of data
platform migration activities

De-risk Migration

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

Optimized Platform

Constant monitoring
of Databricks platform
and recommendations
for optimization

Value **Proposition**

- 60-70% automation**
- Reduced efforts
- Cost savings
- AI/ML use case enabler
- Reduction in manual errors as an effect of automation
- Repeatability

** Subject to current environment complexity

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 84,000+ 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 **www.ltimindtree.com.**

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