

BROCHURE

LTIMindtree Alcazar The Lakehouse Castle



Accelerate Hadoop Modernization to Databricks

Hadoop had been a chosen solution for big data needs in the past, however, it incurs tremendous administrative and operational costs. Hence, organizations are looking at Databricks as one of the alternatives that provides greater flexibility and cost-effectiveness.

However, modernizing Hadoop platforms requires significant efforts. Migration of Data/Schema and ETL demands a high degree of planning, reverse engineering, and technical competencies that amounts to higher cost, efforts, and considerable time.

LTIMindtree Alcazar, an intelligent modernization accelerator for Databricks addresses these migration challenges by providing automated solutions for Data/Schema and ETL migration from Hadoop to Databricks.



Assess

- Assess Hadoop environments
- Component compatibility
- Feature compatibility
- Infra recommendations
- Cluster recommendations
- Data insights and complexity analysis



Plan & Prepare

- Migration approach
- Automation approach
- Workload refactoring
- Change management
- Effort estimation
- Implementation plan
- Functionally validation



Implement

- Automated code to databricks pyspark
- Automated migration of hive schema to databricks catalog
- Data migration & reconciliation
- Monitoring & alert configuration
- Decommissioning of the old cluster



Capabilities

- Automated accelerators for hive metadata, data migration, and data reconciliation
- Eliminate manual effort
- Improve accuracy
- 40-60% automation

Key Benefits

Cost Saving

Massive cost savings due to reduced migration time

Reduced Efforts

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

De-risk Migration

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



Data Quality Assurance

Thorough data analysis and report on the migrated data

Value Proposition

- 40-60% automation**
- Improved accuracy
- Reduced efforts
- Cost savings
- Easy to use UX/UI
- Reduction in manual errors as an effect of automation
- Repeatability

** Subject to current environment complexity



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