Hadoop to Azure Databricks Launch Ramp

On-premises Hadoop deployments have helped enterprises process varied data sets and get actionable intelligence from them. However, as companies continue to increase the scope of their digital transformation ambitions, they struggle with Hadoop's system complexity, unscalable infrastructure and DevOps burden.

They need the ability to cost effectively scale, easily and quickly manage diverse data and enhance productivity of different teams to continue to deliver on their innovation agenda.

By combining Azure Databricks' capabilities in data engineering, data science, analytics and business intelligence and our superior expertise in delivering enterprise analytics projects, we can help companies leverage their data better and faster.

Why Migrate to Azure Databricks?

Forrester TEI Study finds 417% ROI for companies switching to Databricks.

47% **Cost-Savings from retiring legacy infrastructure**

Save millions of dollars annually by retiring on-premises infrastructure and cancelling now redundant licenses.

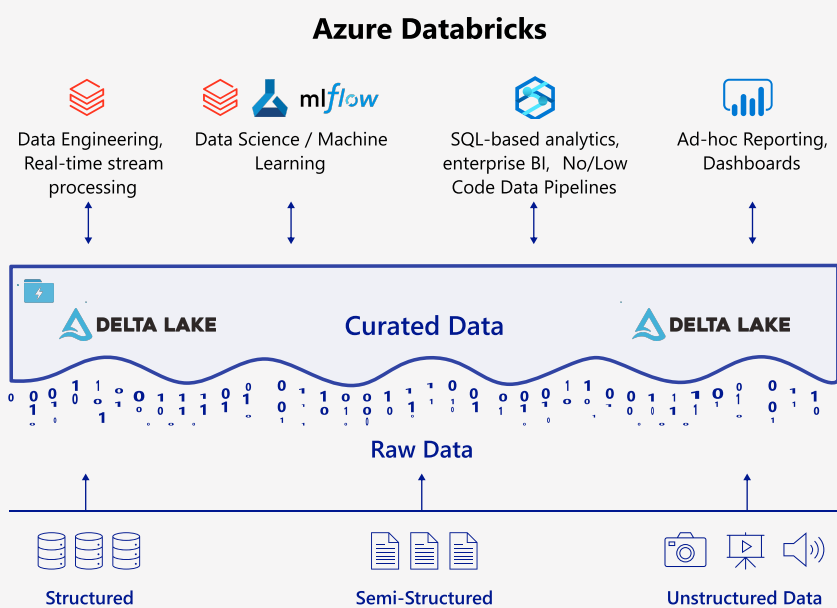**5%** **Increase in Revenue through faster data science outcomes**

Spend more time creating and improving ML models and derive more insights than ever before.

25% **Faster time to market with improved data productivity**

Spend less time searching for and cleaning data, creating and maintaining ETL pipelines, and more time building and improving ML models.

Set-up Your Foundation For Digital Transformation With Azure Databricks

Azure Databricks is the jointly-developed data and AI service from Databricks and Microsoft for data engineering, data science, analytics and machine learning. This means, apart from Databricks' engineering and analytics capabilities, you get one-click setup, native integrations with other Azure services, interactive workspace, and enterprise-grade security to power all your Data & AI use-cases.

Azure Databricks

Data Engineering, Real-time stream processing

Data Science / Machine Learning — mlflow

SQL-based analytics, enterprise BI, No/Low Code Data Pipelines

Ad-hoc Reporting, Dashboards

DELTA LAKE — Curated Data — DELTA LAKE

Raw Data

Structured

Semi-Structured

Unstructured Data

Differentiated Insights
Unified view of internal and 3rd party data along with the availability of all AI and ML frameworks, enable you to derive insights like never before and solve your most critical business problems.

Real-time visibility
By creating a Delta Lake, you can have seamless pipelines for real time and batch data, enabling you to process large amounts of data in real time and at a granular level.

Spend less time ingesting, more time analyzing
Streamlined data ingestion coupled with 'time-travel' capabilities reduces onboarding for custom causal datasets.

Get in touch with us:

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Jumpstart your journey to modernizing your analytics architecture

Migrating from on-premises Hadoop to Azure Databricks requires a comprehensive strategy and many organizations in the past have struggled with delays or failed data migrations and in ensuring proper data hygiene / governance.

In the **Launch Ramp Assessment,** our experts analyze a number of variables to get you the best path forward and migration schedule, cost, and approach, delivered using our pre-built frameworks and tools to accelerate the process.

Our Hadoop migration assessment process

Questionnaire

Establish stakeholder alignment before the assessment process.

Assess

Workshop sessions with technical and business stakeholders to map out migration goals and get all necessary background on the current Hadoop background, including tech stack version, cluster types and utilization, compute / storage utilization, automated vs interactive workloads, and current jobs.

Define

Design a reference architecture and provide the solution approach, by leveraging Cognizant's pre-built frameworks for data migration, ingestion and data lake platform.

Final deliverables

🕐 **Duration:** 4 Weeks $ **Cost:** $30,000

Assessment of the current Hadoop workloads & patterns observed in client environment

Technical approach aligned to migration needs including reference architecture, use of Cognizant's migration accelerators

Hadoop migration roadmap,recommendations and implementation plan

Cognizant's pre-engineered frameworks and tools deliver*:

90% automated data ingestion

3x faster data pipeline development

50-75% accelerated time to market

Delivering analytics modernization at global scale

Auto manufacturer

Cognizant's expertise and speed of migration ensured that the client continues to produce modernized, exceptional products in less time and at a lower cost to their customers.

Global retailer

Migrated terabytes of data, organized and transformed it and made it available for analytics and intelligence in record time.

About Cognizant

25+ years in business with 2,500+ customers across the globe

Leading Microsoft Partner

Top global integrator, with tens of thousands of Microsoft-focused practitioners

Gold Microsoft Partner | Azure Expert MSP | Gold Microsoft Partner

FORRESTER®

2020 Forrester/InfoWorld Enterprise Architecture Award for LexMark

Recognized as a leader in the Forrester AI Consultancy Wave Report

Everest Group PEAK MATRIX™

Everest Data and Analytics 2019: Leader

IDC

IDC Cloud Business Partner Analytics 2020: Leader

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