# WinWire

## Hadoop to Databricks Migration

### Modernize Your Data and Analytics Infrastructure to Drive Business Outcomes
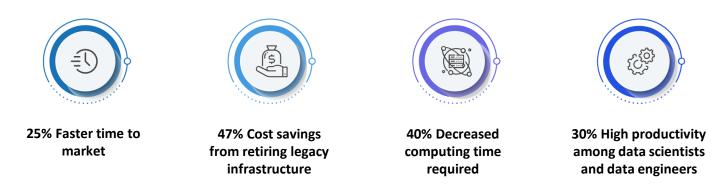
Microsoft | databricks

Hadoop has been adopted widely for its ability to manage a variety of data structures, process large data volume through MapReduce and accommodate varied data processing scenarios with the availability of wider toolsets from the community.

However, over the years, Enterprises that have deployed Hadoop face the challenge of increased cost in scaling up, elevated efforts in managing the infrastructure, lack of data updates and transactions leading to complex data workloads. Also, limited support for analytical tools integration needing additional SQL-based data storage, complexity in the toolsets code management, lack of robust support for real-time processing, security, and governance makes enterprises migrate to a modern unified data platform Databricks.

## Why Migrate to Databricks*?

**25% Faster time to market**

**47% Cost savings from retiring legacy infrastructure**

**40% Decreased computing time required**

**30% High productivity among data scientists and data engineers**

## Gain Quicker Insights with WinWire's Migration-as-a-Service (MaaS) Framework

WinWire, a Microsoft Managed Partner, supports organizations in their data-driven transformation initiatives from azure adoption, data strategy to solution design, architecture, development, operationalization, and support. WinWire's MaaS Framework helps organizations adopt right Azure data analytics services by quicker migration from on-premises at lesser cost.

## MaaS – Hadoop to Databricks Migration Journey

**Analyze**

Analysis of the current Hadoop Infrastructure including environment sizing, prioritization, workload inventory, complexities, dependencies, and risks

**Architect**

Azure services setup for the pilot, data migration approach in terms of network, security and define best practices for workload scenarios

**Pilot**

For the identified scope, migrate model, code, and data, automate migration, determine patterns for improvement, incorporate learnings and finalize the migration plan

**Migration Waves**

Subject-priority based waves of migration execution of data, model, workloads & interface objects of Hadoop Setup metadata driven data lake ingestion process. Benchmark for performance & optimize for the Databricks platform

# How WinWire Can Accelerate Hadoop to Databricks Migration

- Automation based assessment, conversion, and validation

- Utmost precision project plan with comprehensive assessment

- Migrate Hadoop HDFS/ Hive/ Impala objects to Databricks

- Migrate data from Hadoop

- Ensure change adoption among business and IT

**MaaS**

- Reduce migration risk by a comprehensive assessment of the current Hadoop environment

- End-to-end migration acceleration, including the reporting applications repointing to Databricks

- Optimized data extraction, transfer, & integrated data reconciliation process

- Deliver extended capability of Unity Catalog, Delta Sharing through migration services

## Key Deliverables

Assessment and review of the current Hadoop infrastructure

Finalized migration plan and approach

Business value summary of migrating to Azure Databricks

Data catalog of the targeted environment and new use case recommendations

## Customer Story

A leading American multinational computer software firm improved its customer scoring engine performance by 2X through its transition from its on-prem Hadoop to Azure Databricks. The transition enabled the customer to process data faster and reduced the execution time by more than 50%.

## Get started

Wish to know more about WinWire's MaaS Framework, please reach out to us at info@winwire.com.

**About WinWire**

Experts in **Azure, Data & AI & Modern Workplace**

Recognized Microsoft Partner of the Year Awards 2021**Healthcare & App Modernization**

Member of Microsoft's AI **Inner Circle Partner Program**

**13 Microsoft Gold** Competencies

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