Intelligent and automated transformation from Hadoop to Amazon EMR
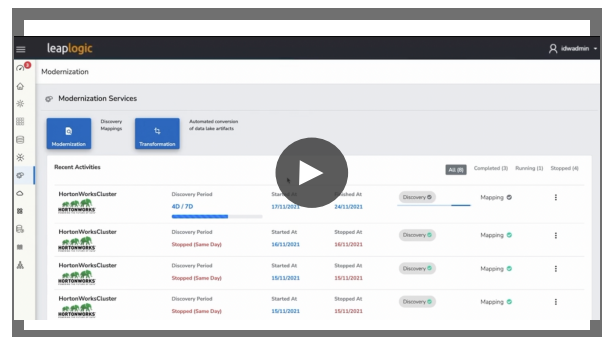
Fast. Simple.

Modernizing Hadoop to a cloud-based data architecture like Amazon EMR has become a strategic imperative for enterprises struggling with petabytes of unstructured data from multiple sources. However, migrating legacy workloads to EMR manually can be complex, tedious, and risky. Enterprises need to identify technical debt, optimize price-performance ratio, and choose the right set of AWS services in line with business needs.

LeapLogic simplifies the end-to-end transformation process and automatically converts Hadoop SQL workloads to Amazon EMR. Its intelligent assessment engine assesses your entire inventory to deliver detailed insights on the legacy workloads and infrastructure. LeapLogic combines these insights with the target architecture, creates a migration-ready inventory, and provides a precise migration plan to seamlessly transform data, workloads, and more to Amazon EMR.

Key Benefits

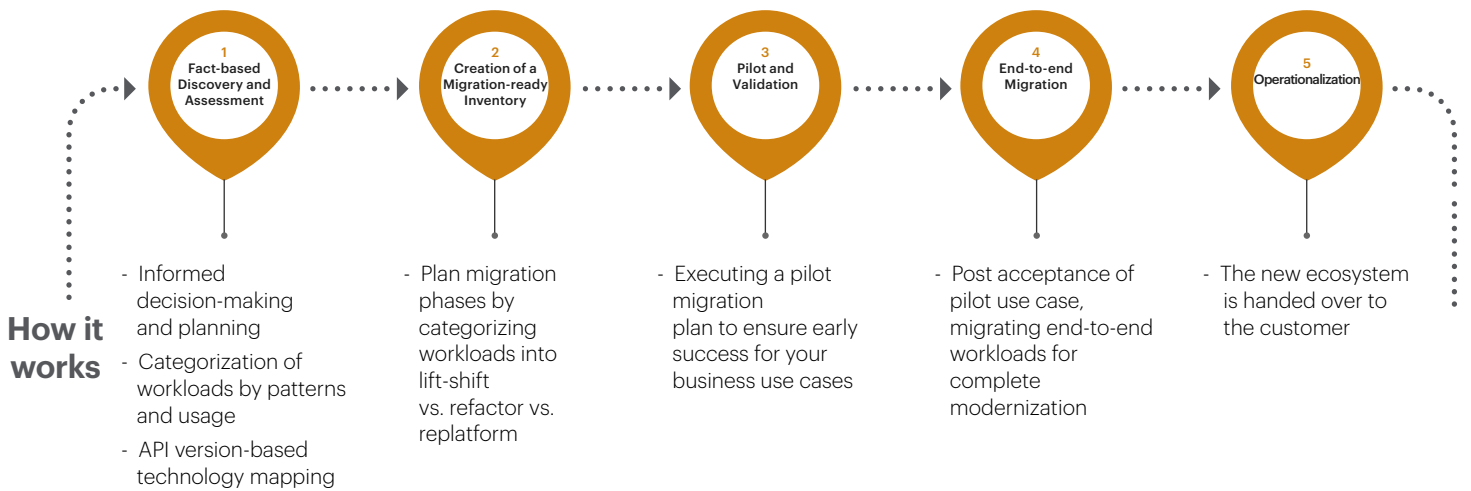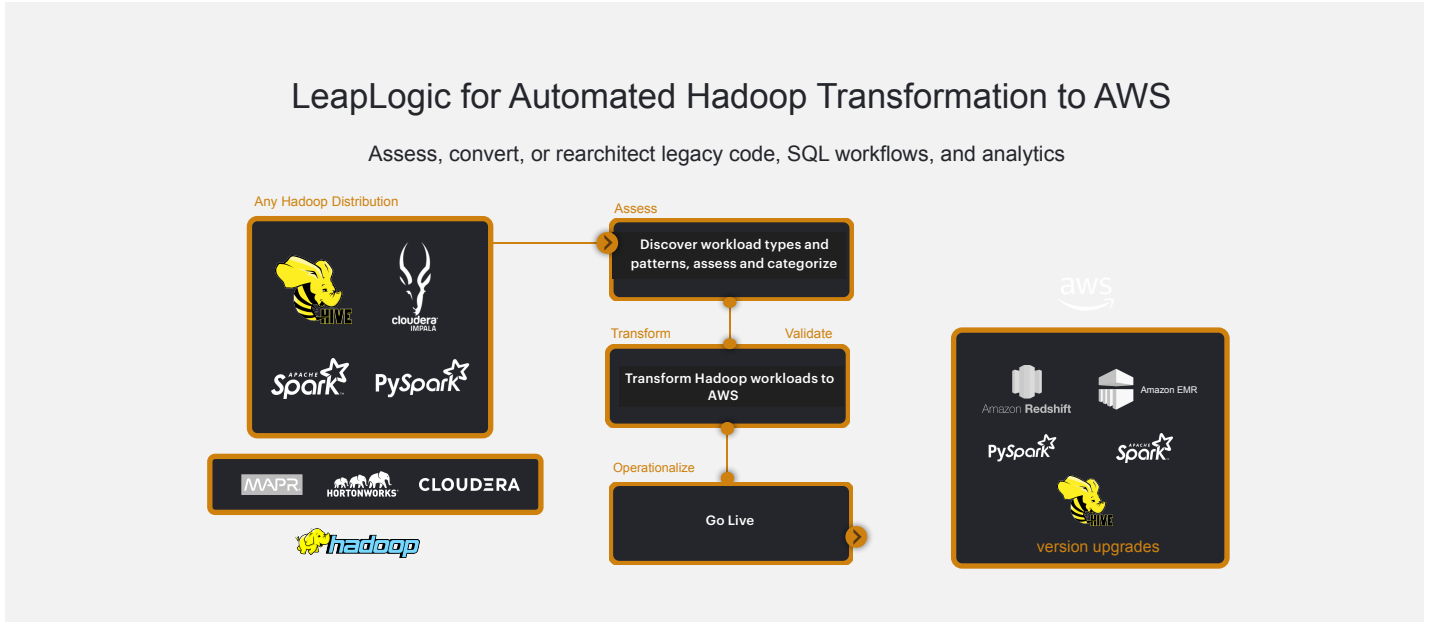Compared to traditional approaches, LeapLogic enables:

- **4x** faster transformation
- **1.5x** faster validation
- **2x** lower cost
- **2x** less manual effort
- **100%** risk compliance
- **100%** SLA adherence

Watch a demo of automated workload transformation from Hadoop to Amazon EMR

How it works

LeapLogic enables end-to-end transformation, operationalization, and transitioning of workloads with up to 95% automation in the first iteration using a step-by-step approach:

LeapLogic for Automated Hadoop Transformation to AWS

Assess, convert, or rearchitect legacy code, SQL workflows, and analytics

Any Hadoop Distribution

Assess
Discover workload types and patterns, assess and categorize

Transform   **Validate**
Transform Hadoop workloads to AWS

Operationalize
Go Live

Amazon **Redshift**   Amazon EMR
PySpark   Apache Spark   Hive
version upgrades

How it works

1 Fact-based Discovery and Assessment	2 Creation of a Migration-ready Inventory	3 Pilot and Validation	4 End-to-end Migration	5 Operationalization
- Informed decision-making and planning - Categorization of workloads by patterns and usage - API version-based technology mapping	- Plan migration phases by categorizing workloads into lift-shift vs. refactor vs. replatform	- Executing a pilot migration plan to ensure early success for your business use cases	- Post acceptance of pilot use case, migrating end-to-end workloads for complete modernization	- The new ecosystem is handed over to the customer

What you get

• Automated discovery reports • Insights on Hadoop infrastructure such as line of business visualizations, workload types and patterns, and identification of storage needs	• Automated migration readiness inventory • TCO and optimized T-shirt sizing for the matching target capacity • Automated workload optimization • Service mapping	• Pilot implementation of mutually agreed workloads/use cases	• Automated transformation of SQL and SQL-like technologies like Impala, Hive, and Spark	• Intelligent capacity forecasting and optimization

Automated discovery reports

Service mapping

Automated transformation

LeapLogic is built to efficiently assess, migrate, validate, and move the most complex workloads from Hadoop to Amazon EMR. Its sophisticated grammar engine accelerates conversion, helps you kick-start your digital transformation journey, and opens up the world of advanced analytics for your business.

To start your end-to-end transformation of Hadoop to AWS, write to us at: info@leaplogic.io

BOOK A DEMO ↗

---

leaplogic