

SOLUTION BRIEF

Redshift to Databricks Migration Quickstart

Accelerated POC powered by the LumenData Lakehouse Monitor

April 2023

Our Services

01

Cloud Modernization

Transformation of legacy systems into cloud-based infrastructure

02

Data Engineering and Analytics

Extracting, analyzing, and acting on diverse data sources with advanced data tools.

03

Data Strategy and Business Value Assessment

Aligning data initiatives for optimal business outcomes.

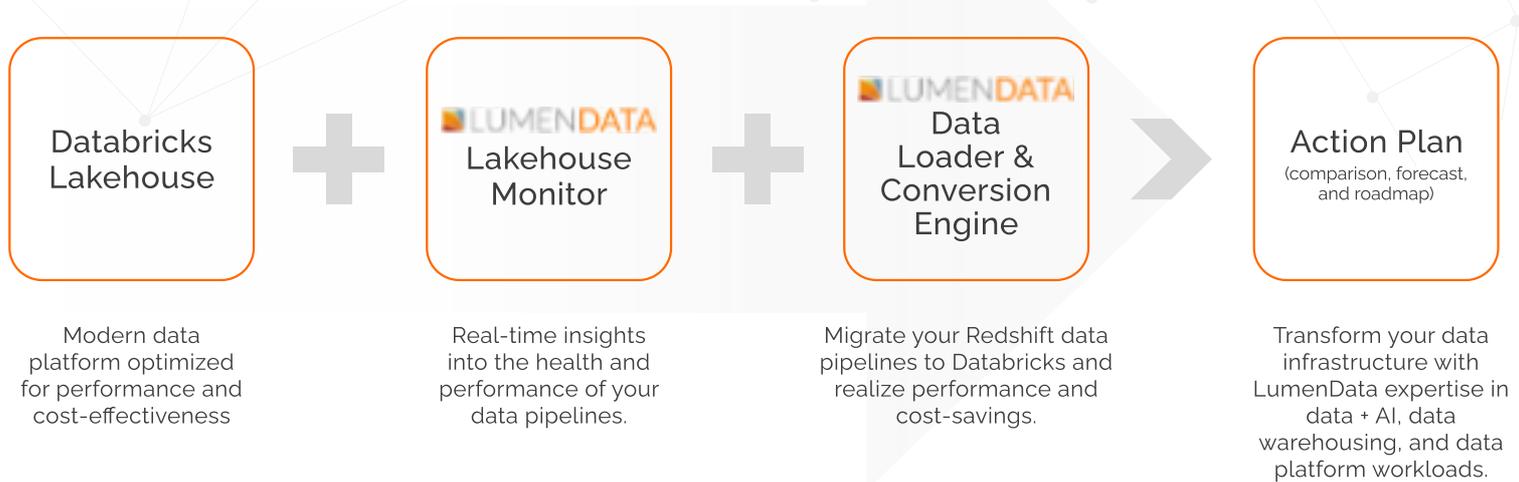
QuickStart: Overview

Timeline: X Days

- **INTRODUCE** the data team to Databricks analytics.
- **SET UP** Databricks and data services in the non-productive environment.
- **EXECUTE** 1 SQL Workload Migration.
- **LEVERAGE** SQL Analytics and BI tools.

Redshift to Databricks QuickStart

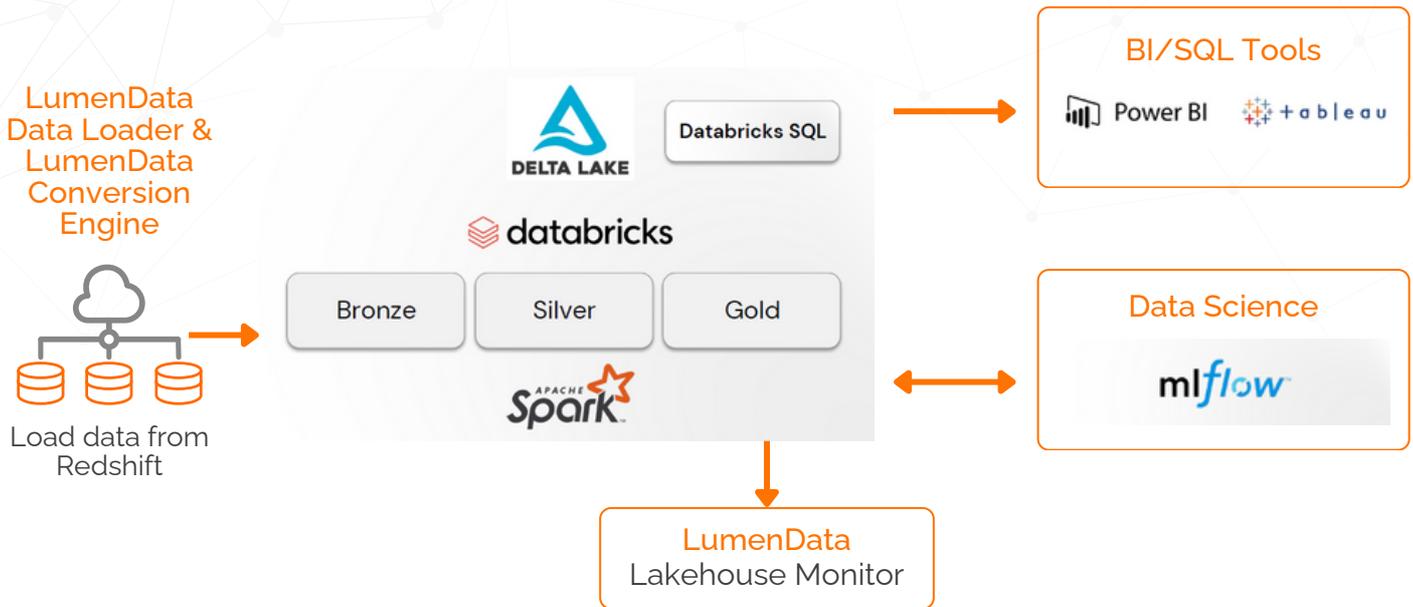
Accelerated AWS Redshift to Databricks



QuickStart: The Approach

WEEK 1	WEEK 2-3	WEEK 4
Migrate workloads from Redshift to Databricks	Compare costs and performance with the Lakehouse Monitor	Plan a full migration with LumenData
Databricks Deployment <ul style="list-style-type: none"> Azure or AWS –Scripted w/ Terraform Non-Production Subscription, VPC 	Lakehouse Workshops/Hands-on <ul style="list-style-type: none"> Hands on with Sample Data in Your Env. Databricks Unity Catalog, Sec, Mgmt Workshop Target 2, half day sessions. Limited to 10. 	Comparison Analysis <ul style="list-style-type: none"> Leverage Lakehouse Monitor Compare runtimes & costs Forecast impacts of similar workload migrations.
LumenData Lakehouse Monitor <ul style="list-style-type: none"> Implemented in Your Cloud Environment Cloud Billing-Reader Privileges Required 	Redshift Migration <ul style="list-style-type: none"> Target Small/Medium Complexity Transform Leverage LumenData Data Loader to load data from RedShift directly into Databricks Leverage LumenData Conversion Engine to convert up to 2 stored procs from Redshift to Databricks SQL 	Roadmap with LumenData <ul style="list-style-type: none"> Plan workload migrations Lakehouse migration strategy Explore Service Offerings from LumenData
Redshift Analysis <ul style="list-style-type: none"> Assess & select candidates for migration 		

QuickStart: The Architecture



QuickStart: The Accelerators

LAKEHOUSE MONITOR
Optimizes performance & lowers TCO of Databricks powered lakehouse

DATA LOADER
Efficiently ingest data from Redshift into your lakehouse

CONVERSION ENGINE
Redshift to Databricks SQL

About LumenData

LumenData is a leading provider of Enterprise Data Management, Cloud & Analytics solutions. We help businesses navigate their data visualization and analytics anxieties and enable them to accelerate their innovation journeys. Founded in 2008, with locations in multiple countries, LumenData is privileged to serve over 100 leading companies. LumenData is SOC2 certified and has instituted extensive controls to protect client data, including adherence to GDPR and CCPA regulations.