

RETAIL DATA & ANALYTICS MODERNIZATION

Databricks Edition

Advisory + QuickStart Offer — 6 Weeks to Build a Domain-Driven Data & Analytics Foundation on Databricks



Accelerate your retail data and analytics modernization — starting with an advisory assessment and Databricks readiness evaluation, through a working data foundation with domain-specific insights.

Powered by Moxie ADIAS: Our proprietary Agentic Data Intelligence Accelerator Suite automates the full Bronze→Silver→Gold Medallion lifecycle on Databricks — with governance, lineage & compliance built in via Unity Catalog — cutting data engineering cycle times by up to 60% with native Delta Lake storage and no re-architecture required.

WHY CHOOSE MOXIE?

Retail-Focused Expertise: Data & AI, Supply Chain, Retail Apps & Integration, and Managed Services — built around your retail functional areas.

Proven Track Record: 150+ successful projects; 25% YoY growth over last 4 years; 4 flexible global delivery centers.

Trusted by Leading Retail Brands: Serving apparel, specialty retail, and consumer goods brands across the US — driving data-led transformation at scale.

Embedded Retail SMEs: Deep expertise in Customer Engagement, Supply Chain, Store Operations, and Marketing from architecture through go-live.

Proven ROI, Powered by ADIAS: 2x–3x ROI; 40% infrastructure cost reduction; 35% faster data availability; up to 60% reduction in manual data engineering effort. Runs natively on Databricks — no re-architecture required.

KEY RETAIL CHALLENGES WE ADDRESS

- Analytics not aligned to retail business objectives
- No consistent governance over retail data assets
- Poor data quality eroding trust in reports
- Legacy systems unable to scale or integrate
- Data exists but insights remain out of reach
- Shortage of skilled data and analytics talent

INVESTMENT & TIMELINE

- **Investment:** \$45K – \$50K
- **Duration:** 6 Weeks
- **Phase 1:** Advisory (Week 1–2)
- **Phase 2:** QuickStart (Week 3–6)

✓ Included in the Offer

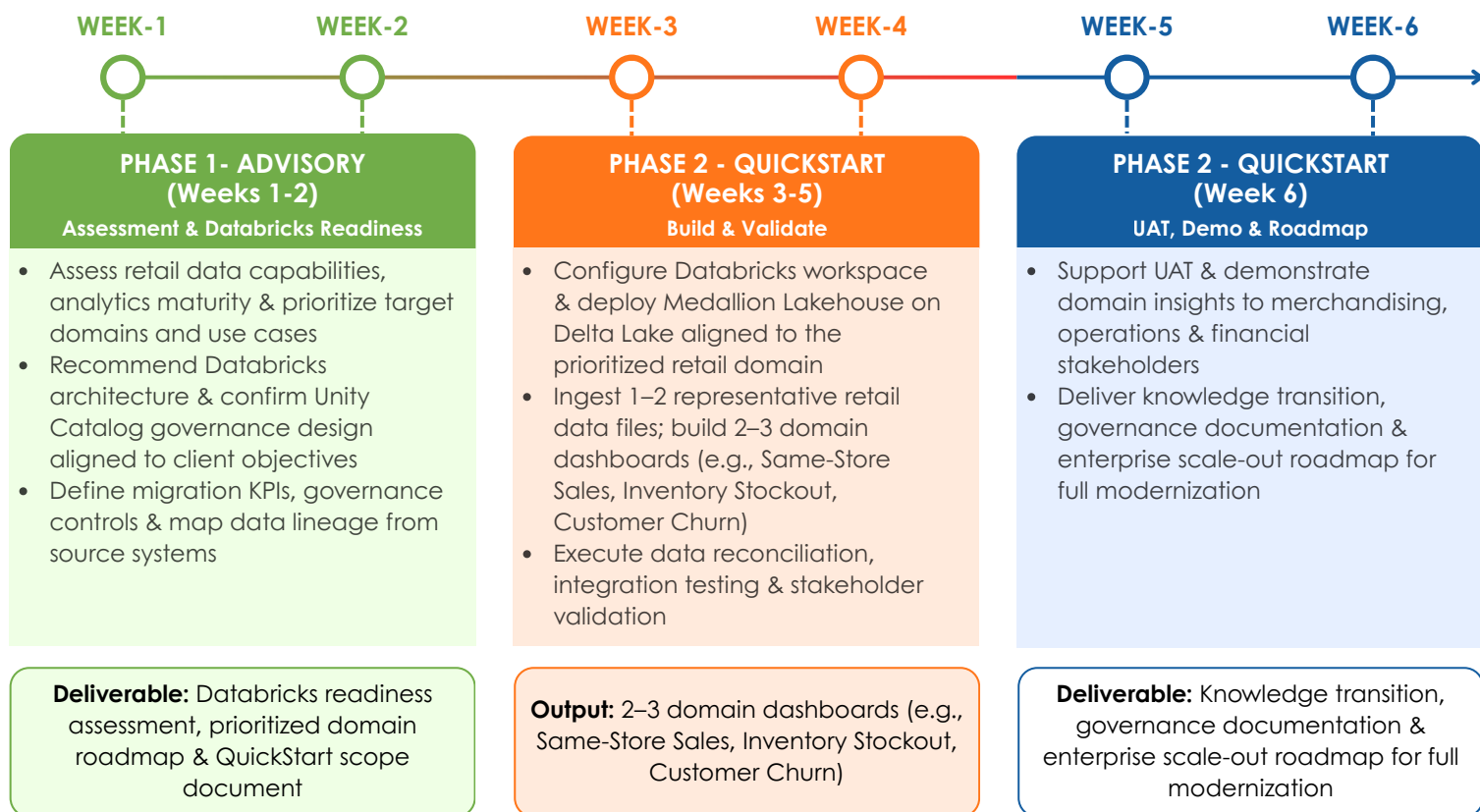
- Advisory, assessment & Databricks readiness evaluation
- Medallion Lakehouse architecture on Delta Lake
- Ingestion of 1–2 representative retail data files
- 2–3 domain-specific Power BI dashboards & insights
- Data quality, governance via Unity Catalog & knowledge transition
- Scale-out roadmap for enterprise modernization on Databricks

✗ Not Included






- Production deployment
- Data Engineering across all source systems
- AI/ML use case build
- Infrastructure / Landing zone setup

6-Week Delivery Plan

From assessment to working analytics foundation — delivered in six weeks



Top Insights That Retailers Seek For Their Stakeholders

 <p>Customer Experience & Engagement</p> <p>Unified omnichannel journeys driving loyalty and lifetime value.</p> <ul style="list-style-type: none"> Loyalty & Retention — Repeat purchase rate, churn, CLV Personalization — Recommendation accuracy, conversion uplift Omnichannel — Cross-channel attribution, NPS scores 	 <p>Supply Chain & Inventory</p> <p>Demand-driven inventory and fulfillment optimization.</p> <ul style="list-style-type: none"> Stock Optimization — Shelf availability, stockout rate, days on hand Demand Forecasting — Seasonal patterns, sell-through rates Fulfillment — Order accuracy, delivery speed, BOPIS metrics 	 <p>Sales & Revenue Performance</p> <p>Revenue growth, pricing strategy, and profitability analytics.</p> <ul style="list-style-type: none"> Revenue Trends — Same-store sales, comp growth, AOV Basket Analysis — Items per transaction, cross-sell rate Price Optimization — Margin analysis, markdown effectiveness
 <p>Marketing & Personalization</p> <p>Targeted campaigns driving measurable ROI and engagement.</p> <ul style="list-style-type: none"> Campaign ROI ROAS, cost per acquisition, email open rates Segmentation Customer cohorts, RFM scoring, look-alike models Promotions Promo lift, cannibalization rate, coupon redemption 	 <p>Operations & Store Performance</p> <p>Store-level productivity, labor planning, and loss prevention.</p> <ul style="list-style-type: none"> Store Productivity Sales per sq ft, foot traffic conversion Shrinkage Inventory loss rate, theft analytics, audit gaps Labor Efficiency Sales per labor hour, scheduling optimization 	

→ **CLIENT SUCCESS STORY**

National Specialty Retailer Modernizes Data Estate to Deliver Unified Retail Analytics



The Challenge

A mid-size specialty apparel retailer had fragmented data spread across a legacy POS system, an ERP, and a CRM with no integration between them. Merchandising and finance teams relied on weekly spreadsheet exports, resulting in conflicting KPIs and no visibility into inventory or customer trends in a timely manner. The analytics team had no unified platform and lacked the foundation to deliver self-service insights to business stakeholders.



Our Solution

Moxie conducted a 2-week advisory assessment to evaluate platform fit and prioritize Sales & Inventory as the pilot domain. In the QuickStart phase, Moxie configured a Databricks workspace with a Medallion Lakehouse on Delta Lake, ingested 2 representative data files from POS and ERP via ADIAS Ingestion Agents, and delivered Power BI dashboards on Same-Store Sales and Inventory Stockout with Unity Catalog governance from day one. The pilot validated the architecture and ROI potential, and was followed by a full-scale modernization program across all retail domains.



45%

Reduction in data pipeline development time with Delta Live Tables



3X

Faster ML model training and deployment cycles via MLflow



50%

Improvement in query performance with Delta Lake optimization



35%

Lower total cost of ownership with open Delta Lake format

Ready to Accelerate Your Retail Data & Analytics Modernization?

Schedule a consultation to discover how Moxie can unlock domain-driven data and analytics capabilities for your merchandising, operations & financial leaders — starting with the domains that matter most.



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