TREDENCE

MIGRATE TO MODERNIZE
Elevating Business Performance with a Modern Data Strategy

Drive Innovation, Operational Efficiency, and Competitive Advantage with Tredence

Overview

In today's rapidly evolving digital landscape, data modernization is no longer just a technical upgrade—it's a strategic imperative. As organizations grapple with increasingly complex data ecosystems, outdated legacy systems hinder innovation, agility, and growth. Modernizing your data infrastructure allows you to drive real-time insights, streamline operations, and gain a competitive edge. Tredence's modernization framework is purpose-built to accelerate this transformation, seamlessly transitioning legacy systems to advanced, cloud-based architectures that enable data-driven decision-making and future-proof your business for sustained success.

Why Modernization is Key

The Case for Modernization – Why It's Essential Now

Evolving market Demands

Real-Time Insights
In today's fast-paced business environment, organizations need access to real-time data to make timely decisions.

Competitive Advantage
Companies that leverage advanced analytics and AI capabilities can identify opportunities faster than competitors, positioning themselves as leaders in their respective industries.

Operational Efficiency

Cost Reduction
Legacy systems often involve high maintenance costs and inefficiencies. Modern architectures, such as those powered by Databricks, optimize resource utilization, leading to significant cost savings.

Streamlined Processes
Automation and improved workflows reduce manual interventions and errors, enhancing overall productivity. Modern tools enable teams to focus on high-value tasks rather than routine data management.

www.tredence.com

Scalable Solutions

Future-Proofing Infrastructure
As data volumes grow, organizations need scalable solutions that can adapt to changing demands. Modern data platforms like Databricks offer elastic scalability.

Support for Diverse Data Types
Modern architectures can handle structured and unstructured data, accommodating various data sources (e.g., IoT devices, social media) and enabling richer analytics.

Improved Data Governance & Security

Robust Compliance Frameworks
Modern solutions come equipped with built-in compliance features that help organizations adhere to regulations such as GDPR and HIPAA.

Data Lineage and Auditing
Tracking data flow and transformations is simplified, providing transparency and accountability in data usage, which is essential for regulatory compliance and internal governance.

Innovation Enablement

Leveraging Advanced Technologies
Modernization opens the door to incorporating AI, machine learning, and predictive analytics into business processes, driving innovation and enabling smarter decision-making.

Fostering a Data-Driven Culture
By providing user-friendly tools and accessible data, organizations can cultivate a data-driven culture where all employees feel empowered to leverage data in their roles.

Customer Centric Approach

Personalization and Engagement
Access to modern analytics enables organizations to better understand customer behaviour and preferences, allowing for more personalized experiences and improved customer engagement.

Agility in Response
Modern systems allow for rapid adjustments to services and products based on customer feedback and market changes, enhancing customer satisfaction and loyalty.

> Organizations modernizing their data platforms see a **20-30% increase in operational efficiency** and up to **40% cost reduction.**

Overcoming Legacy System Challenges

The Pitfalls of Legacy Systems and the Need for Data Strategy

High Maintenance Costs
Legacy systems divert resources from innovation due to outdated technologies and increased downtime.

Scalability Limitations
Inflexibility and prohibitive costs in scaling, preventing growth and adaptation to market changes.

Hindrance to Business Growth
Legacy systems create data silos and inefficiencies, restricting new technology adoption and customer experience improvements.

Compliance and Security Risks
Outdated systems pose security vulnerabilities and make regulatory compliance more challenging.

> **By modernizing, businesses can improve data accuracy by 40% and cut system performance issues in half**

Tredence's Migrate to Modernize Framework - A Seamless Transformation

- **Assessment & Planning:** Identify gaps, craft a tailored roadmap, and align stakeholder goals.

- **Design & Architecture:** Develop a cloud-native architecture for scalability and flexibility while reducing risks.

- **Agile Implementation:** Use agile methodologies for rapid deployment, continuous collaboration, and real-time adjustments.

- **Optimization & Value Enhancement:** Maximize system performance, unlock data-driven insights, and foster innovation to drive growth.

- **Change Management & Data Monetization:** Seamless adoption of new technologies and strategic data monetization to unlock new revenue streams.

Databricks Advantages: Catalyzing Data-Driven Innovation

Unified Data Management
Unity Catalog provides centralized governance, access control, and collaboration across diverse data environments.

Seamless Data Sharing
Delta Sharing enables secure, real-time data sharing with partners, enhancing decision-making.

Fusion Querying
Lakehouse Federation enables seamless access to data from multiple cloud sources for unified, real-time insights.

Enhanced Data Privacy
Clean Rooms ensure secure, compliant analysis of sensitive data without privacy risks.

Conversational Experience
Data Rooms and Genie allow interactive data exploration through natural language queries, fostering collaboration.

AI-Ready Infrastructure
Advanced vector search and indexing accelerate AI model development, driving innovation.

> **Tredence reduces migration time by 40%,** helping you capture new revenue streams, improve customer satisfaction, and stay ahead of market trends

Success Stories

Strategic Data Transformation for Real-Time Insights and Cost Efficiency

Business Context

The client, a leading convenience store chain, moved petabytes of data to real-time systems to advance its company strategy. Ongoing data challenges and recent acquisitions underscored the need for a comprehensive, updated data strategy.

Impact

- **$6M** in savings on licensing fees
- **$12M** reduction in support costs
- **$2M–$5M** in avoided penalties from potential lawsuits
- **$30.8M** gain in productivity and controllable costs

Enhancing Data Analytics for Improved Retail Operations

Business Context

The client, a prominent wholesale corporation, faced challenges in optimizing data analytics across sales, inventory, and customer insights to elevate member experiences and adapt to the growing e-commerce landscape.

Impact

- Achieved **85%** reduction in job run times
- Lowered platform costs by **65%**
- Established a Retail Media Network with an annual revenue target of **$200M**

Optimizing Data Infrastructure for Cost Efficiency and Agility

Business Context

The client, a leading American telecommunications company, aimed to migrate its large-scale Teradata EDW platform to Azure Cloud to achieve cost savings, streamline architecture, and support new workload patterns for accelerated analytics.

Impact

- **$1M** in anticipated annual savings on platform costs
- **50%** reduction in support personnel within 18 months
- **80%** faster provisioning of new datasets enabled by a robust DataOps framework

Take the Next Step

30-Minute Assessment Call:
Review your data ecosystem, objectives, and timeline to customize the Full-Day Architectural Assessment for you.

or

Full-Day Architectural Assessment
Assess your data architecture and plan your migration to GCP for better scalability and efficiency.

To learn more, reach out to

David LeGrand
✉ **david.legrand@tredence.com**