

DATA MODERNIZATION COMPASS

A Foundation for Modern Analytics and AI

 **Microsoft**
Solutions Partner
Microsoft Cloud

 **Microsoft**
Solutions Partner
Data & AI
Azure

Specialist
Kubernetes on Azure
Analytics
Infra and Database Migration
Migrate Enterprise Applications
to Microsoft Azure

 **REPLY**
VALOREM



HOW DO ORGANIZATIONS DISCOVER THE VALUE OF THEIR DATA?

Harnessing the power of data and artificial intelligence is crucial for solving complex business challenges and staying ahead of the competition. Valorem Reply assists organizations in building a foundation for modern analytics and AI so that they can make confident data-driven business decisions.

CHALLENGES

- Data Silos
- Lack of Governance
- Need for a Roadmap to a Modern Data Platform
- Skills Gaps

IDEAL SOLUTION

- Centralized Modern Data Platform
- End-to-End Data Strategy
- Knowledge Development & Execution

DESIRED OUTCOMES

- AI/ML Readiness
- Simplified Data Governance
- Regulatory Compliance
- Reduced IT Budget
- Democratized Data



DATA MODERNIZATION COMPASS

Whether you aim to update your data approach, prepare for the possibilities of generative AI, expedite information flow across your data platforms, or extract greater value from advanced analytics, our Data Modernization Compass framework meets you where you are with agile and impactful solutions to reach your goals.

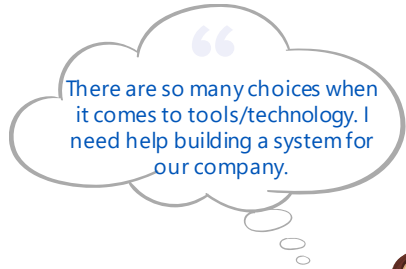
1 DATA ESTATE
ASSESSMENT

3 DATA GOVERNANCE
ACCELERATOR

2 MODERN DATA
PLATFORM

4 POWER BI
MIGRATION





DATA ESTATE ASSESSMENT

2 – 4 Weeks

Data modernization drives profits and productivity. Digital transformation can improve your customer experiences, provide better security for your data, and shorten time-to-value while providing access to modern tools. Let us show you how to get there.

- Define Value
- Gaps - Current vs. Future
- Target Architecture
- Roadmap Development



MODERN DATA PLATFORM

6 Months – 2 Years

Whether you're ready to push efficiency and data-driven decisions with modern analytics tools or drive innovation with advanced workloads like AI, ML, and Data Science, having a reliable, secure, and unified data lake ensures you reach your data goals quickly with best-in-class architecture. Our data practitioners can help you evaluate your current data estate, technology ecosystem, and business goals to design, test, and deploy a custom data platform for your enterprise.

- Databricks Lakehouse & Unity Catalog
- Microsoft Fabric Lakehouse
- SAP Data Lakehouse



DATA GOVERNANCE ACCELERATOR

6 – 12 Weeks

Data is one of your most valuable assets and Data Governance is the key to unlocking that value. Broad access to high quality data that is both easy to access, monitor, and secure are the goals of a modern data management environment. Achieve regulatory and/or organizational compliance over the use of data and empower your organization to see the full end-to-end view of their data.

- Manage Diverse Data Sources
- Single Source - Dismantle Silos
- Uphold Data & ML Model Quality
- Facilitate Trusted Data Discovery
- Ensure Secure Data Access
- Navigate Regulatory Landscapes



POWER BI MIGRATION

6 – 24 Weeks

Define your BI strategy, architect and implement all the necessary infrastructure components, and turn your data into comprehensive and flexible Power BI dashboards to empower decision-making. Let us show you how to generate business value through data analytics and visualizations.

- Adopt and Implement Microsoft BI Technologies
- Customize the Power BI Platform to Your Maximum Benefit
- Integrate Any Data Sources and Maintain Data Infrastructure
- Generate Business Value Through Data Analytics and Visualization

Valorem Reply's DATA MODERNIZATION COMPASS

Accelerator Solutions

ERP NITRO ACCELERATOR

ERP Nitro gives you full control over your SAP data and enables access to modern tools to ensure your most critical data can be used in making business decisions.

[Learn More](#) →

FINOPS ACCELERATOR

Proprietary framework for ingesting, cleaning, tagging, storing, and visualizing Azure usage data.

[Learn More](#) →

SYNTHETIC DATA GENERATOR

AI data generation tool for test production systems that automatically creates large test datasets that accurately mimic the characteristics, patterns, and statistical distributions of your production data.

[Learn More](#) →

WHY VALOREM REPLY'S DATA MODERNIZATION COMPASS?

As a Databricks Elite Partner and Microsoft Data & AI Solutions Partner with several advanced specializations, Valorem Reply is uniquely positioned to help you harness the power of your data and artificial intelligence to solve your toughest business challenges.

**Deep Azure
Expertise**

**Wide Range of
Custom
Data Solutions**

**Longtime Prioritized
Microsoft Solutions
Partner**

**Real-World
Data Modernization
Experience**



MODERN DATA ESTATE FOR GLOBAL HORTICULTURE



PROBLEMS & OPPORTUNITIES

- Move enterprise reporting data, compute, storage, and consumption to the cloud.
- Scale up and secure data processing.
- Lay foundation for Data Science projects.
- Provide trending reporting crossing Legacy SAP and future SAP, supporting an active upgrade.



STRATEGIC SOLUTIONS

- Databricks Engineering Modules
- Power BI Dashboards
- ADF Data Orchestrations
- ADLS Data Lake
- Data Quality Scorecard
- Data OPS Dashboard



BUSINESS IMPACT

- Ability to process 100's of millions of records per hour.
- Near real-time reporting.
- 200+ BPI reports on day 1 of SAP upgrade.
- Dashboard that trend over legacy system and upgrade system data.
- Seamless integration with existing reporting platform.



NEXT GEN BIG DATA WITH AZURE, DATABRICKS, AND DELTA LIVE TABLES



PROBLEMS & OPPORTUNITIES

- Depreciating legacy systems.
- 89% of IT budget spent on maintaining legacy applications.
- Unscalable, siloed, on-premises data stores.
- Limited real-time analytics.
- Unstructured data warehouse with no analytics, no interrogation or reporting system, no documentation, and no domain knowledge.



STRATEGIC SOLUTIONS

- Implement Azure-based data ecosystem.
- Enable data science and advanced analytics with the Databricks Lakehouse platform.
- Improve velocity while executing business transformation, leveraging preview access to Databricks Delta Live Tables.



BUSINESS IMPACT

- Data science-driven system.
- Future scalability problems addressed.
- Query speed strengthened 10-100x.
- Foundational pattern to continue data migration and modernization.
- Reduced time to ingest and report on new sources from months to days.
- Capability to provide clients with relevant, data-backed advice and offerings.
- Access to fine-grained detail data in quantities suitable for predictive data science.



LEARN MORE ABOUT VALOREM REPLY'S **DATA** **MODERNIZATION COMPASS**

Learn more: <https://go.valorem.com/Data-Modernization-Compass>

