How Maersk is Building A Next Gen Data Lakehouse with Dremio

Maersk leverages Dremio's Data Lakehouse platform to unify vast supply chain data sources, driving transparency, efficiency, and real-time decision-making. With a flexible, scalable architecture, Maersk is transforming global logistics through advanced data access and insights.

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The Data Lakehouse Paradigm

Unlocking Supply Chain Visibility Across Global Operations

Maersk confronted a challenging data infrastructure landscape with several critical limitations:

- Massive legacy data warehouse with a complex Teradata estate
- Significant operational constraints reducing data agility

By implementing a cloud-native data lakehouse with Dremio, the company addressed these challenges. They successfully broke down data silos, reduced infrastructure complexity, and created a more adaptable ecosystem that could respond quickly to evolving business needs.

Key Benefits for Enterprises

Driving Business Value Through Advanced Data Management

Dremio's Data Lakehouse empowers Maersk's teams to access and interpret data using natural language, supporting a customer-centric approach and advanced predictive capabilities.

- Allows users to query data effortlessly, making insights accessible across functions.
- Predictive analytics optimizes delivery routes, schedules, and costs based on real-time demands.
- Enhances customer experience by enabling precise tracking, carbon-neutral options, and timely updates.

Enabling the Data Lakehouse

Building a Flexible, Future-Proof Architecture

Maersk leverages Dremio's open-source foundation with Apache Iceberg to build a flexible, secure, and scalable data infrastructure, avoiding vendor lock-in and driving future growth and innovation.

- Apache Iceberg ensures robust data governance, enabling secure and high-quality data access.
- A modular, scalable architecture reduces costs and adapts to evolving data requirements.
- Lays the groundwork for AI and machine learning initiatives, fostering innovation and advanced solutions.

Next Steps

Interested in transforming your supply chain analytics?

Evaluate your current data architecture, identify key use cases, and pilot Dremio's Data Lakehouse to:

- Simplify access by unifying disparate data sources for faster insights.
- Reduce infrastructure costs with a scalable, open architecture.
- Ensure secure, governed access to data with Apache Iceberg.

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