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Read Time: 3 Mins.



Case Study

Leading US-based Insurance Provider Achieves Enterprise-wide Data Governance with Large-scale Unity Catalog Migration

Overview

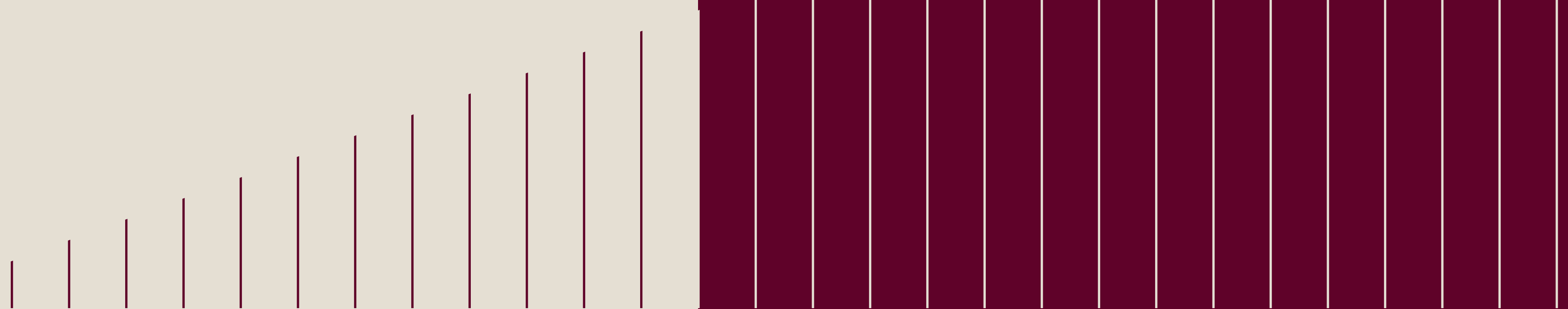
A US-based insurance leader sought to modernize enterprise data governance by migrating from Hive Metastore to Databricks Unity Catalog. The program required large-scale refactoring across data, code, pipelines, and analytics assets while ensuring business continuity and governance consistency across platforms.



Client Background and Challenges

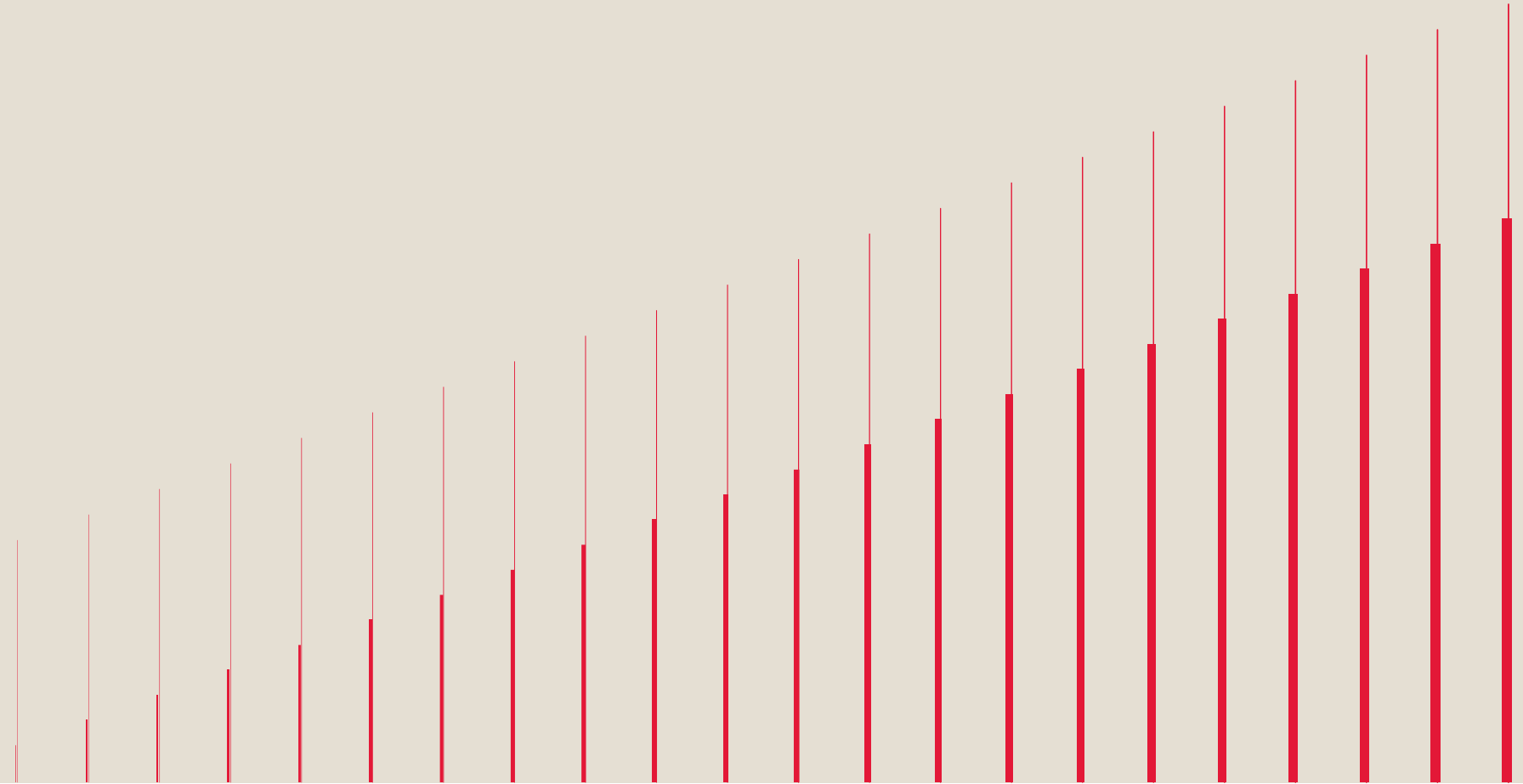
Operating at enterprise scale, the client managed ~10,000 Hive Metastore tables with tightly coupled storage and ownership models. The existing two-level namespace limited the scalability of governance, while hard-coded references across 800 notebooks, 250 ADF pipelines, SQL server objects, and Power BI reports introduced significant complexity for migration.

~10,000
Hive Metastore tables



Our Approach and Solution

Tech Mahindra executed a phased, metadata-driven migration to Databricks Unity Catalog. The approach included deep-clone delta migrations, conversion to external tables with standardized storage structures, systematic namespace uplift, and controlled refactoring using regex-based automation complemented by manual validation. Downstream systems were realigned to ensure seamless continuity.



Business and Community Impact

~10,000

tables migrated with preserved metadata and history.

Unified enterprise-wide governance and access patterns

Improved data trust, auditability, and compliance

800

notebooks and 250 pipelines refactored

Simplified architecture minimizes long-term ownership costs



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