CASE STUDY

From Legacy Systems to Cloud Efficiency:

A DATA MIGRATION SUCCESS STORY FOR A +$8B GLOBAL CONSUMER GOODS FIRM

CLIENT CONTEXT

The client, a global manufacturer and marketer of consumer and professional products headquartered in Oakland, California, and with operations in over 20 countries, provides a wide range of cleaning, disinfectant, and personal care products. The company embarked on an enterprise data lake consolidation program to improve its supply chain and retail functions. In addition, they wanted to migrate their critical enterprise-level data to the Azure platform to eliminate dependency on legacy systems and manual processes and reduce turnaround time for business dashboards.

The client engaged our data migration expertise to help migrate their data systems to the Azure platform.

BUSINESS PROBLEM: THE NEED FOR A SCALABLE CLOUD-BASED SOLUTION

The client had multiple data migration programs pointing to various sources from the same EDP system. The lack of enterprise data platform standards across projects created data integration and consolidation challenges. The legacy systems/applications created dependencies that increased overheads, manual processes, and execution time for business reports.

> **The client needed to migrate targeted datasets to downstream reporting applications for informed decision-making. They wanted a better solution than legacy Oracle/SAP-based tools and Azure Synapse to accelerate the migration.**
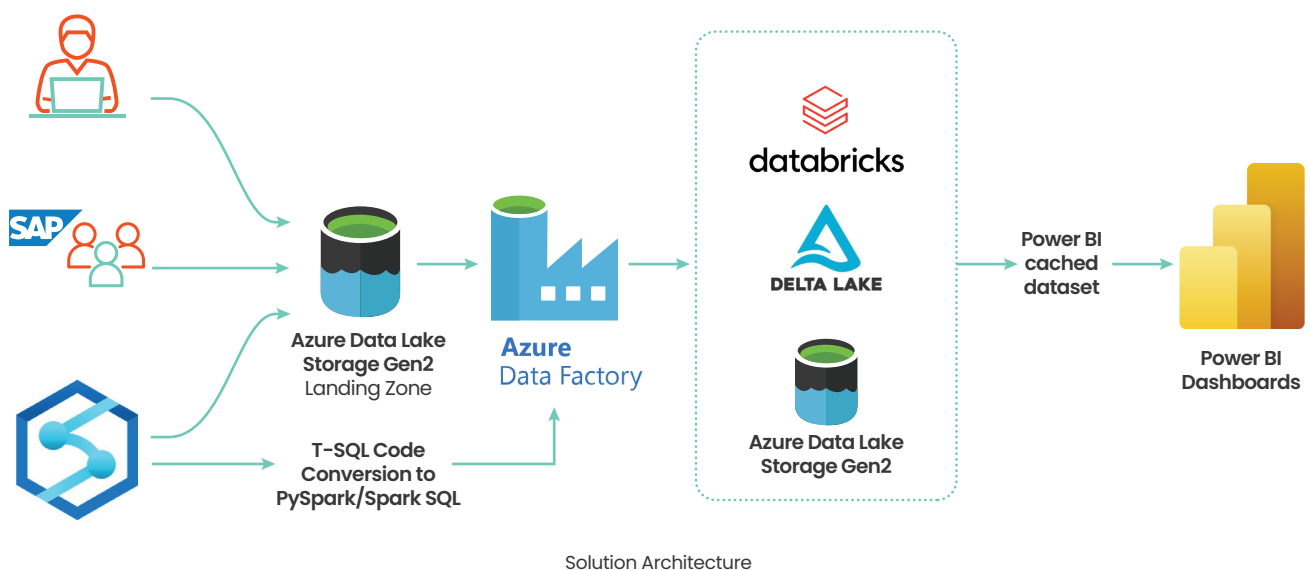
Therefore, the client needed a scalable solution that leverages the cloud platform for automation and end-to-end solutions.

OUR SOLUTION: AUTOMATED MIGRATION OF MULTIPLE DATA SYSTEMS TO AZURE PLATFORM FOR STREAMLINED BUSINESS REPORTING

We analyzed the organization's data landscape and recommended implementing the Delta Lake architecture for batch or near-real-time data migration on the Azure cloud platform. After implementing this solution for two datasets, report execution time significantly decreased across supply chain, retail, and R&D functions.

We migrated 3 data systems, comprising manual data sources, SAP data, and Azure Synapse database with complete automation to the Azure platform, supporting business reporting across TDM, supply chain, and retail. Our solution integrated, transformed, and processed data, reducing execution time for business reports.

Solution Architecture

TECHNOLOGY STACK

- » **Azure**
- » **Databricks**
- » **Delta Lake**
- » **Power BI**
- » **Azure Data Factory**
- » **Azure AQL/Synapse**
- » **SAP BW**

RESULTS

Our solution reduced the execution time for business reports by **30%,** eliminating manual processes and dependencies on legacy systems. The Delta Lake solution helped integrate, transform, and process data to provide timely and accurate data to the business.

We also helped the client create derived KPIs for sustainability reporting.

BUSINESS IMPACT

30 data pipelines built

30% reduction in the report refresh execution time, which allowed the business to access real-time data insights

25 billion records processed

20% reduction in infrastructure costs due to the automation of manual processes

90% reduction in overall time consumed

30% increase in formulating derived KPIs for sustainability reporting

BOTTOMLINE: AZURE MIGRATION SOLUTION IMPROVED BUSINESS INSIGHTS FOR THE CONSUMER PRODUCT GIANT

Our data migration expertise helped the client overcome their data migration challenges and migrate to the Azure platform from an unscalable platform with complete automation. As a result, we were able to reduce overall execution time for business reports, eliminate manual processes, and create derived KPIs for sustainability reporting. In addition, we proposed efficient Azure solutions for more than five continuous improvements (CI) projects within a given budget. This significantly impacted the client's business, reducing costs and providing real-time data insights.

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