

Case Study

Analytics & Reporting
Enablement for a

US Healthcare Organization



Client Overview

Our client is a **US based healthcare giant**. client needed better visibility into its analytics and data platforms to support leadership reporting, data governance, and operational decision-making.

As reporting assets and data tables continued to **grow across Power BI and Databricks**, it became increasingly difficult to track usage, understand data dependencies, ensure governance standards, and identify optimization opportunities without manual effort, due to limited visibility into reporting and data assets.

As the analytics footprint expanded, structural bottlenecks began to surface across visibility, governance, and performance.



Key Bottlenecks

Fragmented visibility across analytics assets limited leadership's ability to monitor usage, dependencies, and optimization opportunities at scale.

Growing number of tables with limited visibility into usage, increasing the risk of redundant or underutilized data assets.



Limited visibility into data asset ownership and domain classification impacted structured analytics growth.

Disconnected reporting layers prevented unified, executive-level decision intelligence.

To address these constraints, a structured and **performance-driven transformation approach** was initiated.



Solution Implemented

A combined **Power BI and Databricks engagement** was executed to improve analytics visibility, governance, and platform understanding through a set of continuously evolving dashboards and data engineering initiatives.

The solution focused on redesigning and enhancing **reporting assets, enabling executive-level summaries,** analyzing table usage, and establishing standards to support scalable and governed analytics.



The engagement was delivered through the following core capability :

Executive Reporting Intelligence

- Executive summary dashboards providing consolidated KPI views
- Leadership-focused reporting aligned to enterprise standards
- Structured KPI presentation for improved decision-making

Data Usage & Optimization Intelligence

- Databricks-driven table usage analytics
- Identification of redundant and underutilized data assets

Analytics Governance Enablement

- Enterprise asset inventory across Power BI and Databricks
- Structured asset visibility to support scalable analytics

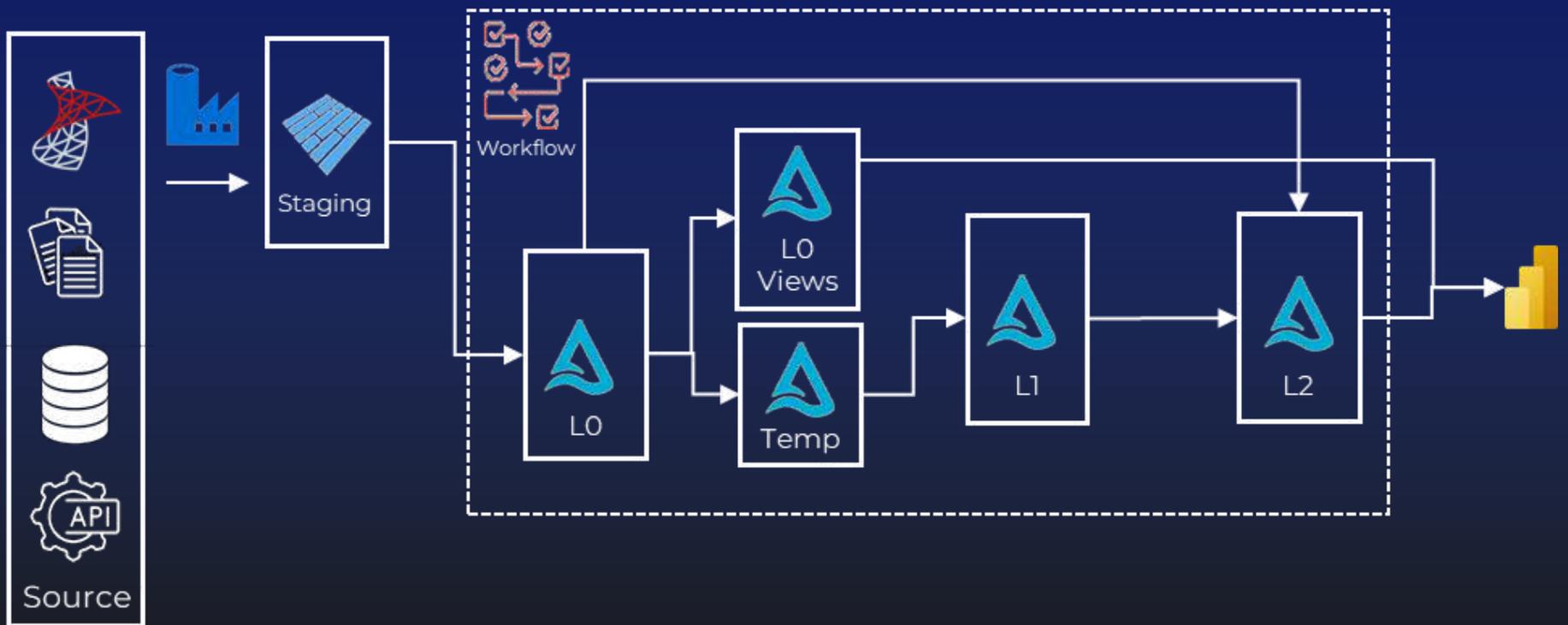
Performance & Platform Optimization Enablement

- Continuous dashboard enhancements for improved usability
- Report usage analysis to identify opportunities for dashboard optimization
- Continuous reporting improvements to support scalable analytics

Technological Architecture overview

These capabilities were enabled through a scalable, layered architecture designed for performance and governance.

Architecture Overview



Technology Stack



Databricks AI Query



Azure Databricks



Power BI



Azure DevOps

Business Outcomes

This architectural foundation translated into meaningful operational and leadership-level improvements.

#1 Improved Decision-Making & Leadership Enablement

Value Delivered:

Reduced executive reporting time by 50–70% through consolidated "OneView" dashboard, eliminating multiple dashboard navigation.

Business Benefit:

Faster leadership insights and significantly reduced effort in preparing executive updates.

#2 Enhanced User Experience & Adoption

Value Delivered:

Redesigned 60+ KPI cards across multiple dashboards, simplifying interpretation for new and existing users.

Business Benefit:

Improved accessibility, user confidence, and increased adoption across all business users.

#3 Strengthened Data Governance & Quality

Value Delivered:

Standardized naming convention recommendations shared, enabling consistent adoption and potential for full compliance on new assets.

Business Benefit:

Reduced error risk during schema changes, faster troubleshooting, and stronger governance discipline.

Business Outcomes

#4 Operational Efficiency & Cost Optimization

Value Delivered:

Improved visibility into data usage patterns, LO table usage analysis performed, highlighting unutilized data and lineage patterns.

Business Benefit:

Supports ongoing cost savings and optimized storage decisions.

#5 Improved Engagement & Governance Maturity

Value Delivered:

Delivered PMO framework and refreshed newsletter template to improve consistency and communication.

Business Benefit:

Stronger alignment, smoother processes, and better stakeholder engagement.

Strategic Impact Summary:

Delivered comprehensive improvements across decision-making, user experience, governance, efficiency, and engagement driving measurable business value and positioning the organization for data-driven success.

Business Impact

60+

KPIs cards
Redesigned across multiple
dashboards

50%-70%

Reduction in executive
reporting time

15K-20K

reports enabled for
structured adoption
tracking and usage
transparency.

About

Polestar Analytics

Polestar Analytics is a leader in Data, Analytics, AI, and Enterprise Planning helping organizations to unlock intelligent outcomes through our proprietary products like TPlatform, accelerators, and services. Our expertise spans data engineering, data science, agentic and generative AI, and advanced planning for CPG/Retail, Pharmaceuticals, Manufacturing, IT/ITeS, and Financial Services.

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