productops

REAL TIME PLATFORM
FOR BIG DATA

THE CHALLENGE

ABC, Inc. is a Fortune 50 company who came to us needing an enterprise-wide, real-time data platform. A system that could both secure and support access to highly controlled commercial and military data. They had hundreds of data sources with hundreds of thousands of tables and data types and a need to ingest up to a petabyte of data a day. We broke these challenges down as follows:

Security, Classification and Location
Data must be secure, classified and in some cases limited to where it can be physically stored. It must conform to GDPR and ITAR requirements.

Massive Data Consumption
Hundreds of terabytes of batch and streaming data per day needed to be classified, transformed and then stored.

Data Inconsistency
Data was plagued with multiple sources of truth and managed through 100's of custom ETLs and stored throughout an enterprise.

Real-time Data Ingest and Transformation
Data transformed to support business intelligence and operations often requiring massive chunks of data analyzed quickly.

THE SOLUTION

We delivered a data platform that is an easily maintainable, scalable, and highly secure data management and governance system built on proven non-proprietary industry standard tools the company was already familiar with.

A Platform for Business Intel & Operations
It provides real-time access to many data types and management and analysis of petabytes of data.
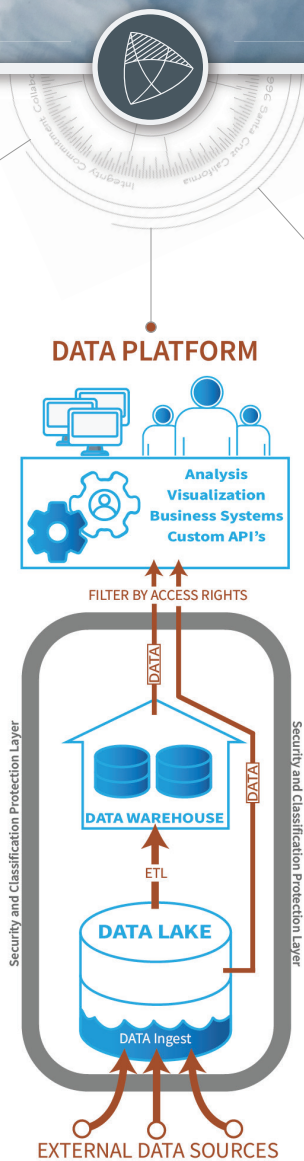
Secure to the Core
Every aspect of the data platform was designed around securing and servicing classified data at the platform and service level.

Easy ETL Services and Governance
Easily manage and monitor thousands of simple but powerful ETL jobs in one place.

Scalability
Ingest of streaming and bulk data, scalable to hundreds of terabytes a day.

DATA PLATFORM

Analysis
Visualization
Business Systems
Custom API's

FILTER BY ACCESS RIGHTS

DATA

Security and Classification Protection Layer

DATA WAREHOUSE

DATA

ETL

DATA LAKE

DATA Ingest

EXTERNAL DATA SOURCES

Security and Classification Protection Layer

aws partner network
Advanced Consulting Partner

python