

Tiger Analytics worked with a top Tech vendor in the US to **migrate the Enterprise Analytics Platform and get a unified data view**

Tiger Analytics enabled the client to overcome the difficulties of multiple siloed subsystems by transitioning to an Enterprise Data and Analytics Platform on Google Cloud. The architecture and design of the solution were based on the current enterprise architecture, processes (CI/CD), and standards, leaving no room for discrepancies. It also helped extend standard reusable pipelines as and when required.



The Background

Our client is one of the leading Technology vendors in the US. They were looking to integrate several data sources and get a unified view of the data while increasing process consistency and security. The client also wanted to migrate data from multiple disparate subsystems to the newly set up Enterprise Data and Analytics (D&A) Platform on Google Cloud.

Key Challenges

- ▮ **Architectural complexity:** Various business systems operating on separate cloud environments meant enterprise-wide integration was an architectural nightmare.
- ▮ **Multi-cloud management:** Managing a three-cloud environment (Azure, Oracle Cloud, and GCP) led to increased costs, duplicated skills, and inefficient operations.
- ▮ **Lack of data consistency:** Ensuring multiple copies of data across all systems remain in sync added more effort, challenges, and complexities in the workflows.
- ▮ **Technology and tool explosion:** Separate teams managing divergent environments used various tools and platforms for data processing, storage and movement.
- ▮ **Duplicated data and ETL:** Multiple copies of data and pipelines were managed separately, triggering governance risks.
- ▮ **Multiple security models:** Data security and access controls across all platforms led to the rise of many security models.



Our Solution

Tiger Analytics helped the client migrate key subsystems to centralize data sources and create a unified view.

It started with the migration of the existing Marketing Data Lake from the existing MS Azure to GCP, including historical migration of data from ADLS to GCS, live data movement from ADF-based pipelines to IICS, and migration of Databricks Workspaces from Azure to GCP.

Next, the team helped migrate the client's legacy Supply Chain and Operations D&A platform from an on-premises Hadoop setup and Cloudera deployment to GCP. It included migrating historical and live data, re-engineering ETL jobs, and orchestrating workflows.

Finally, the team ensured the smooth migration of the Finance D&A platform from Oracle Analytics Cloud to BigQuery on GCP.

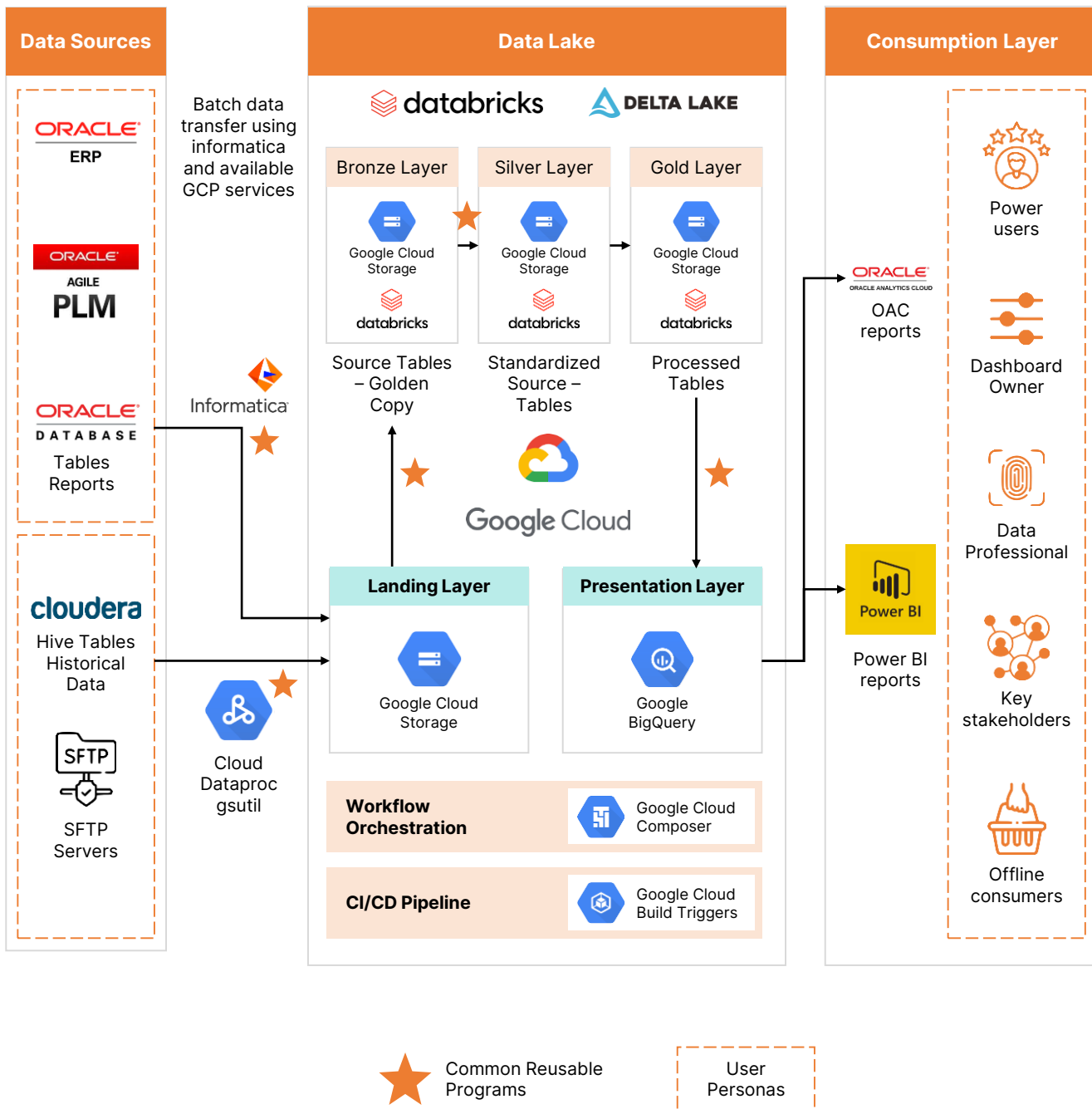


Tech Stack

/ GCP

/ Databricks

Solution Architecture



Value Delivered

The solution design was **simplified**, integrating and aligning with enterprise architecture, processes (CI/CD) and standards.

Standard reusable pipelines were extended as applicable.

Optimization and performance were improved with Databricks hosted in GCP and seamless BI connectivity to BigQuery and Delta Tables.



About Tiger Analytics

Tiger Analytics is a global leader in AI and analytics, helping Fortune 1000 companies solve their toughest challenges. We offer full-stack AI and analytics services & solutions to help businesses achieve real outcomes and value at scale. We are on a mission to push the boundaries of what AI and analytics can do to help enterprises navigate uncertainty and move forward decisively. Our purpose is to ***provide certainty to shape a better tomorrow.***

Being a recipient of multiple industry awards and recognitions, we have 4000+ technologists and consultants, working from multiple cities in 5 continents.

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