Case Study

GCP-Enabled Cloud Transformation for a British Multinational Investment Bank and Financial Institution

Executive Summary

LTIMindtree has been helping a British multinational investment bank and financial services institution in their cloud journey by migrating on-premise mainframe to Google Cloud and by providing the ability to perform actionable data analytics on cloud services.

Client

The client is one of the largest banking and financial services companies globally, with over 40 million customers. It serves three global businesses: Wealth and Personal Banking, Commercial Banking, and International Banking and Markets. The client's network has a global footprint in Europe, Asia, the Middle East, Africa, North America, and Latin America.

Challenges

- The client was using a mainframe for application data and was performing various analysis on the data. Maintaining data on the mainframe was a tedious task. As a result, the client faced data storage and analytics challenges for business purposes.

LTIMindtree Solution

- Reviewed current and long-term business requirements of the current landscape concerning GCP (Google Cloud Platform).

- Used GCP's Cloud SQL to enable ease of maintenance/management and cloud storage for different types of files and high reliability.

- Used BigQuery to store processed data and faster data analysis for business use.

- Used Google Kubernetes Engine (GKE) to provide a managed environment for deploying, managing, and scaling containerized applications using Google infrastructure.

Business Benefits

- Cost-benefit through massive savings

- 100% faster performance with a highly efficient solution

- Automatic high availability

- Faster data retrieval for quick decisions by using BigQuery

- Less cost with zero infrastructure management

Why GCP?

Google Cloud solutions enable organizations to modernize and help developers build faster solutions in any environment by consistently connecting public and private clouds. Using GCP services, LTIMindtree leverages reliability and scalability for their applications, directly contributing to amplifying business outcomes.

Google Cloud's BigQuery is a great option when it comes to analytics. It offers a serverless, managed service approach to data analytics and simplifies how users work and perform large-scale data analysis. BigQuery has an inexpensive three-year TCO than cloud data warehouse options for running analytics at scale.

GKE (Google Kubernetes Engine) is a managed environment for deploying, managing, and scaling containerized applications on Google infrastructure. The use of the GKE cluster also offers access to Google Cloud's extensive cluster administration capabilities such as load-balancing, automatic scaling, automatic upgrades, node auto repair, logging, and monitoring, among others.

Google Cloud is also net carbon-neutral, which provides a route to sustainability as the only primary cloud provider to purchase enough renewable energy to cover all operations.

Why LTIMindtree?

LTIMindtree has expanded its strategic alliance with Google Cloud to offer companies a full suite of services and solutions leveraging LTIMindtree domain-focused innovation and Google Cloud's technologies. LTIMindtree, as a Google Cloud Premier Partner, has proven GCP-based project implementation credentials.

At LTIMindtree, we have a Google Cloud Business Unit, which offers consulting services for assessing the migration of workloads, SAP on Google Cloud, Managed Services for GCP workloads, and Domain Solutions using Next-Gen technologies like IoT, Analytics, and AI/ML. Our cloud professionals are equipped with excellent technical and domain skills, capable of providing value-added services to customers across the globe.