

Real-time data replication from Oracle On-prem Database to GCP using Striim



Client Overview

- The client offers international banking and financial services, by rendering full-fledged internet banking for a vast number of customers across the globe

Business Challenges

- Migration of historic data from the existing on-prem database to a cloud platform
- Secure third-party access of data from database
- Cost optimization in maintaining and managing the database

Application Overview

- Leveraging Striim, real-time data integration and data streaming was processed, to migrate data from an Oracle database on-prem to a Postgres database on Google Cloud Platform

Indium Solution

- Per recommendation, initial data load entailed migrating the data from the source Oracle database to the target Postgres database on the Google Cloud Platform
- To perform a real-time data replication, change data capture was utilized. Any modification in the data was updated instantly, before the RDBMS finished its processing
- To permit data access from the database via a third party, Striim Agent was used
- With a diverse set of metrics, and live dashboards, effective data monitoring could be accomplished with ease

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Tools

- **Striim** – Data Replication Tool
- **Oracle** – Source Database
- **PostgreSQL** – Target Database
- **GCP** – Cloud Platform

Business Impact

- Usage of Striim reduced the time consumption for transferring the data from the Oracle on-prem database to the Google Cloud Platform by 90%
- The complications in setting up the data replication process was reduced by 87%
- Striim Agent effected a 95% increase in security while accessing the data from database
- Minimal programming knowledge requirements in usage of Striim reduced the effort in the configuration of the process



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