Building a Future-Ready Data Warehouse solutions

The Client

Convosight is growing in business so it needs a robust, more secure and easily accessible and developer friendly system. So, Convosight is in place to bring all its existing external 3rd Party Services like Panoply to be migrated to cloud platforms like AWS (Amazon Web Services)
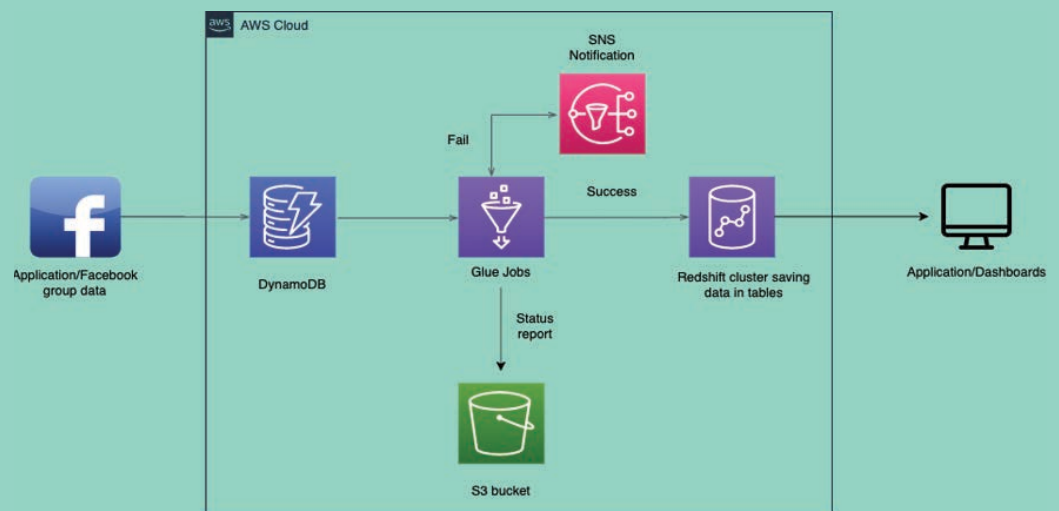
Overview

Client wanted to have a robust, more secure and easily accessible and developer friendly system as it was growing in business. So, it wanted to bring all its existing external 3rd Party Services like Panoply to be migrated to cloud platforms like AWS (Amazon Web Services).

Challenges

- Supporting complex data types like list-of-strings (Creation of sub tables for these lists)

- Supporting schema changes (Addition of new columns at DynamoDB side)

- Migration of heavy tables (few tables are 30GB-40GB)

Solution

- ETL solution is implemented where data is ingested from DynamoDB, transformed to suitable form (casting data types, breaking the complex data types) so that it can be written to Redshift

- This migration is a two-step process. The first step includes total migration of data up to date. The second step involves incremental data migration which runs multiple times a day

Benefits

- 20% reduction in overheads and cost

- 30% reduction in Overall Processing time

Proud to be part of.