LTIMindtree

Serverless Data and Analytics Platform on Snowflake in AWS Cloud

For Global Electric Company

Client

The client is a Fortune 1000 public utility company based in the US. It is primarily into the function of energy distribution to customers.

Challenges

☑ Vast amount of siloed data across different business functions, which required lots of time to process and cleanse it to meet the business user's needs

☑ Poor data insights and unavailability of right data at right time for decision-making

☑ The turnaround time to load historical data to datawarehouse was several hours

☑ Overall, the data platform was not dynamically scalable to handle the concurrent data load and deliver information as per business expectations

☑ Distribution of IT costs to all concerned departments

LTIMindtree Solution

☑ Develop the end-state architecture and automated dataflow to ingest data from Oracle to s3 bucket onto snowflake for data discovery and insight leveraging Canvas polarsled framework

☑ Use TableShift (LTIMindtree accelerators) to reduce migration time from over weeks to few days from Oracle tables and create equivalent in Snowflake

☑ Leverage Snowflake as the core data warehouse platform to fully leverage pay-as-you-go pricing, auto scaling-up, and across and data sharing with customers

☑ Configure Serverless component snow pipe to read S3 events to ingest data onto stage table

Business Benefits

Cost-effective
and scalable platform,
providing near
real-time visibility
to serve customer
requests

**5TB
Volume**
of data migrated
over eight weeks
with >5 FTE effort

**8-10
Business apps**
migration in
progress

**Enhanced
Performance**
2x as compared
to RedShift

**Reduce
IT spend**
around 30 to 50%
by providing better
and efficient data
platform