



Case Study

**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

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