

**Case Study**

**Serverless Data and  
Analytics Platform on  
Snowflake in AWS Cloud  
For a 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.

## Business 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 LTIMindtree 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 8 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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