

Case Study

Serverless Data & 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.



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 & 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

LTIMindtree is a global technology consulting and digital solutions company that enables enterprises across industries to reimagine business models, accelerate innovation, and maximize growth by harnessing digital technologies. As a digital transformation partner to more than 700+ clients, LTIMindtree brings extensive domain and technology expertise to help drive superior competitive differentiation, customer experiences, and business outcomes in a converging world. Powered by nearly 84,000 talented and entrepreneurial professionals across more than 30 countries, LTIMindtree — a Larsen & Toubro Group company — combines the industry-acclaimed strengths of erstwhile Larsen and Toubro Infotech and Mindtree in solving the most complex business challenges and delivering transformation at scale. For more information, please visit www.ltimindtree.com.