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.

**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 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 [https://www.ltimindtree.com/](https://www.ltimindtree.com/)