Case Study

Serverless Data & Analytics Platform on Snowflake in AWS Cloud For Global Electric Company
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.

**LTI 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 LTI Canvas polarsled framework.
- Use TableShift (LTI 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.
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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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