An improved supply chain management and reporting with Snowflake

Case Study

Business Objective

- The client was using a 3rd party tool called Travel Management System (TMS) to maintain their operations and track the goods sold and procured.
- The business reporting on this data along with the SAP data was manual and extremely tedious.
- The client wanted TekLink to resolve the issue and build self-service analytics capabilities within the system.

Client

- The client is the global provider

Industry

- Manufacturing

Function

- Supply Chain and Logistics

Technology

- Snowflake

The Solution

- The TekLink Team analyzed the client's existing framework to identify the modifications required to the system and gaps in the existing system.
- The Team designed and built the solution without changing the existing framework.
- The Team used TMS to manage the data shipments from SAP and non-SAP data sources to track and manage the supply chain.
- The data extracts from the various sources acted as the input to AWS S3 using Talend as the ETL Tool.
- The different data used for the reports are Sales Order Data, Shipment Data, and Deliveries.
- The information was then fed into the Snowflake System to build the foundation for Data Warehouse for Analytics purposes on TMS and SAP Data together.

Outcomes and Benefits

- The system provides visibility to the product level details to analyze the TMS Data clearly.
- Reduction in the errors in the report generation due to the elimination of the manual loads in Power BI from TMS and SAP.
- Some of the key metrics from the implementation of the solution are:
  - 100% availability of the latest data from TMS daily.
  - 67% faster processing of the Accounting Cycle
  - 60% increase in the operational efficiency
  - Time for analysis reduced to 1-hour from the previous 8 weeks.