Success Story

Breathing **Data-Driven Insights** into the Asset Management Process

Introduction

A large US Enterprise struggled with their legacy on-premises data warehouse and analytical system. They approached Exavalu to modernize their data platform for seamless asset management.

Challenges

◦ The organization held a legacy on-premises data warehouse and analytical system on Teradata and Oracle.

◦ Their data architecture required high maintenance costs and was unscalable during high demands.

◦ Their system frequently showed high latency in data flows.

How Exavalu Made an Impact

◦ Performed current state assessment and identified the underlying objects and dataflow business logic.

◦ Designed solutions using Redshift, CData, Glue, Pyspark, Lambda in an AWS environment.

◦ Created data lake in S3 to load asset management data from multiple sources.

◦ Developed ODS data layer in Postgres for operational reporting.

◦ Built data warehouse in Redshift for BI and Analytics.

◦ Used CData to sync tables between Teradata and Redshift during implementation.

Tech Stack

Redshift, CData, Glue, PySpark

Benefits

◦ Reduced maintenance costs significantly.

◦ Integrated their data infrastructure with various analytics tools seamlessly.

◦ Improved decision-making using near-real-time data ingestion and reporting capabilities.

Key Highlights

7+
Subject Areas (Community Engagement Campaigns, Management, Appointments, Donations, Manufacturing, Order, Shipment)

500+
Redshift Tables

200+
ETL Routines