

Success Story

Breaking Silos, Building Single Source of Truth for Claims Analytics

Introduction

A leading personal lines insurance company struggled with their legacy data ecosystem that was built on multiple on-premises technologies. They were looking for a modern, unified data model that could improve their BI and reporting, so they approached Exavalu.

Challenges

Working with the legacy data ecosystem had become difficult for our client. Data silos and the absence of data governance constrained their reporting capability.

They did not have a single source of truth to rely on. Their diverse tech stacks further resulted in higher maintenance costs.

How Exavalu Made an Impact

Exavalu adopted a collaborative and phased approach to help them transition from their existing data architecture to AWS.

We created a unified data model to streamline their BI reporting and developed a data lakehouse using S3 and Redshift for BI consumption. We replaced ETL pipelines with AWS Glue, Lambda, and PySpark. And finally, we leveraged AWS analytics and machine learning capabilities to enhance their business insights.

Tech Stack

AWS S3, Glue, PySpark, Redshift, Cloudera, SQL Server, Informatica, Guidewire CDA

Benefits

- Improved BI and reporting.
- Established a single source of truth.
- Reduced inconsistencies across sources.
- Decreased maintenance costs with modern cloud infrastructure and simplified tech stack.
- Enabled faster data processing with improved insight generation.
- Improved security with fine-grained data access control.
- Enhanced operational resilience.

Key Highlights

3+ subject areas, covering Claims, Policy, and Billing Centers

1800+ entities, migrated from Cloudera on-premises

300+ ETL jobs, replacing legacy SSIS, Sqoop, and Informatica processes

