



AWS Data Hub

Techmango Technology Services a Digital Transformation and IT consulting company founded in 2014 with a strong focus on emerging technologies. It holds a primary objective of delivering strategic solutions towards the goal of its business partners in terms of technology. By providing digital solutions aided with the best available technologies, we assure the quality of the delivery on the defined time-line.

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DOMAIN

Logistics

METHODOLOGY

Agile with sprint every 2 weeks

DURATION

1 Year

RESOURCES

10

PROJECT STATUS

LIVE

AMC support

TECHNOLOGY USED



Glue



EMR



Data Catalog



Athena



Spark



S3

BACKGROUND

Our customers are from logistic domain dealing with sensitive data covers customs and other information. This required higher level of security standards. On the other hand business demands on getting faster insights to data. Ability to scale quickly, horizontally as well as vertically also one of the main objective. Compliance required the customer to process and archive huge volume of data with secured access..

SOLUTION IMPLEMENTED

- Event Driven ETL approach for a Quick ETL using AWS Lambda with python partners to access the events , register and check in the event through the app.
- Extracted Data will be further transformed to apply business logic and process to build an aggregated data.
- S3 based Data lake, Glue and PySpark for scalable and serverless solution.
- Fine grained security (glue database level as well as for S3 folders) using AWS IAM.
- AWS KMS for Encryption (S3 and Glue)
- Qlik sense connects the AWS to provide near real time Reports to the Collection Department.
- Sagemaker Auto Pilot for ML use cases.

OUT COMES

A solid data platform is built with scalability, security and governance. Customers were able to scale with growing volume and extend the use cases to several in house data analytics requirements such as operational dashboards, compliance requirement, predictive models, etc.