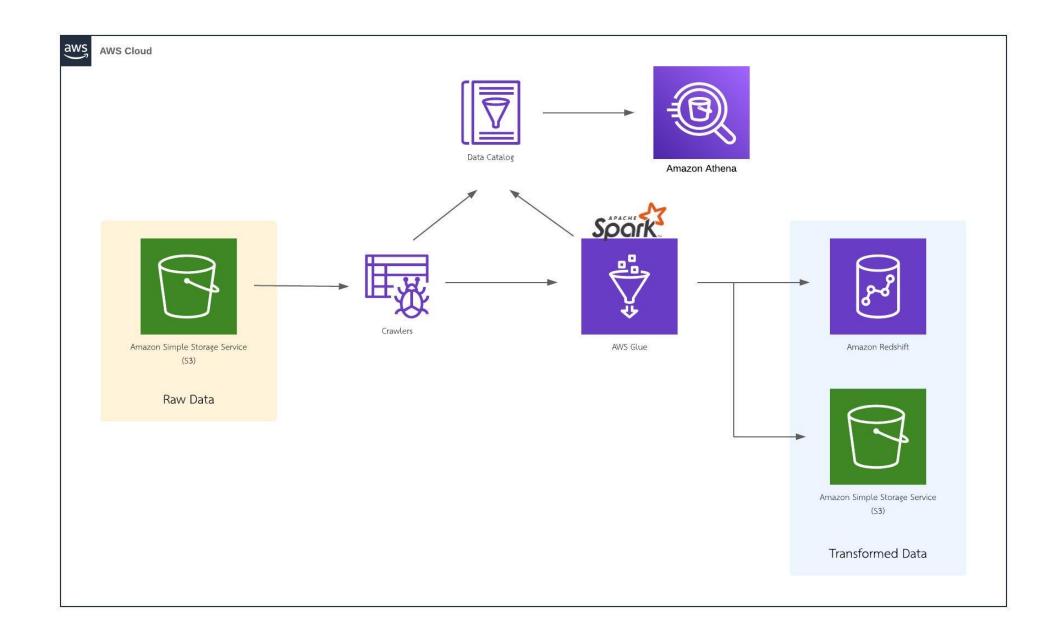


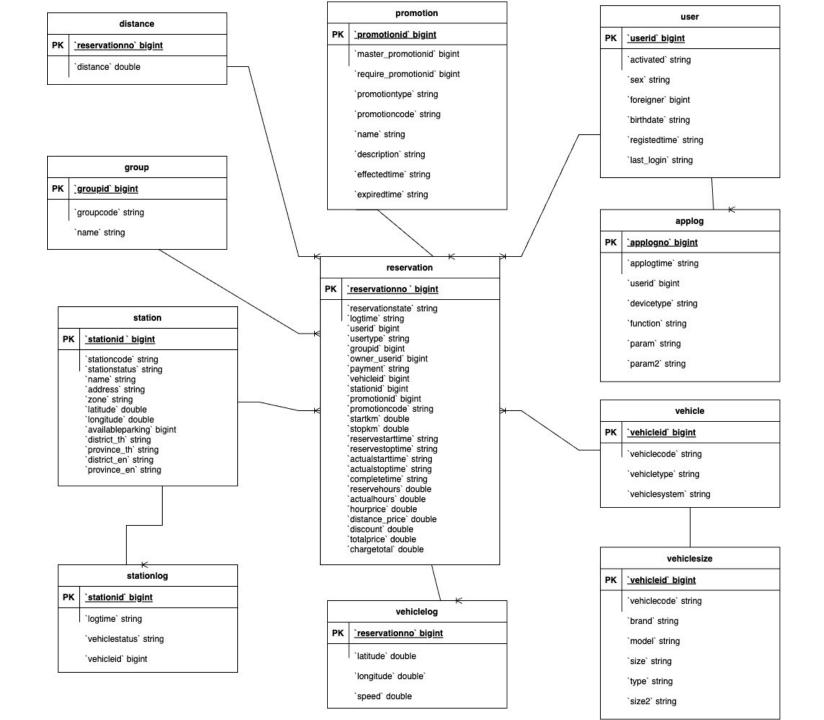
ETL Data Pipeline Development for Car-Sharing Data

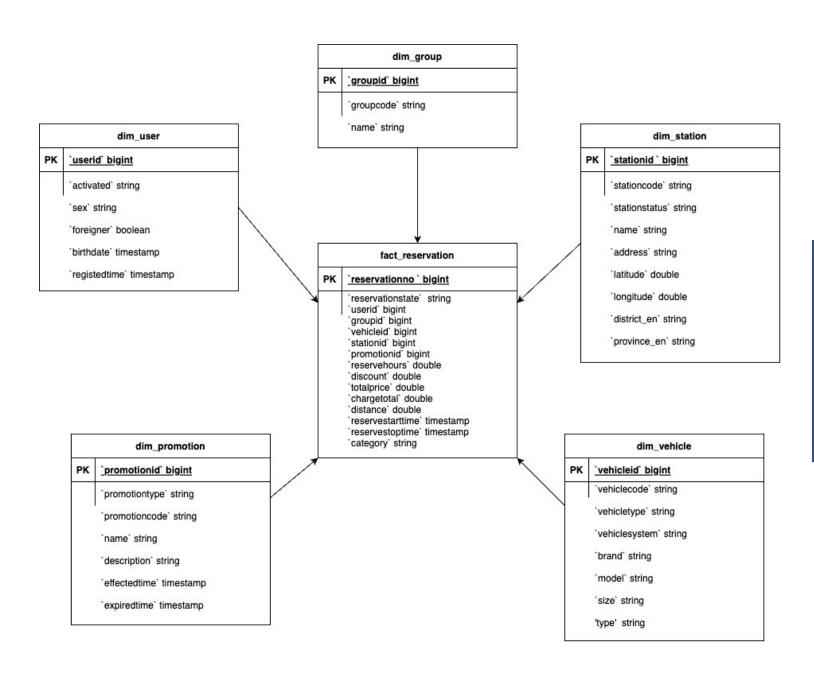
Designed and built a robust ETL data pipeline to transfer raw car-sharing data from the data lake (Amazon S3) to the data warehouse (Amazon Redshift) in the AWS cloud platform





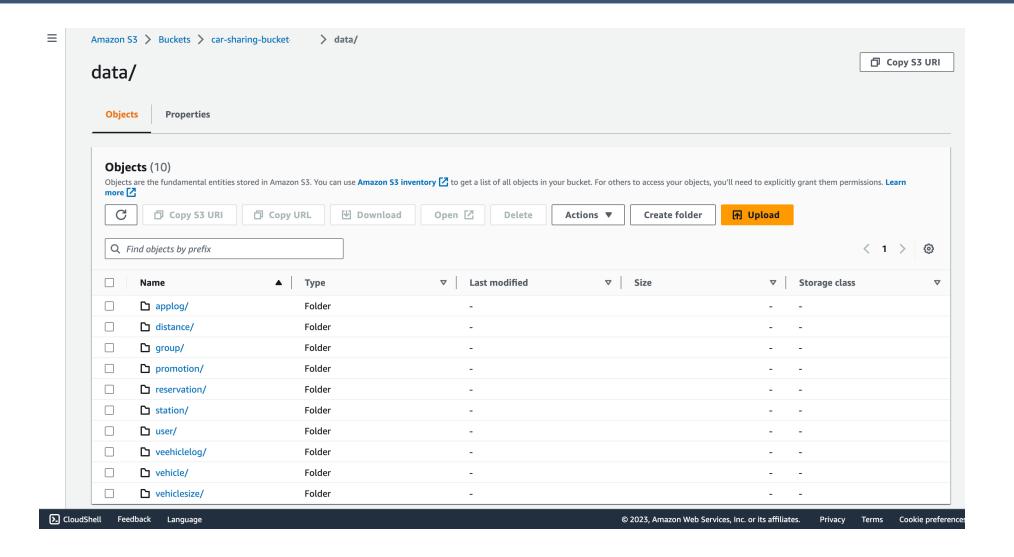
ER Diagram



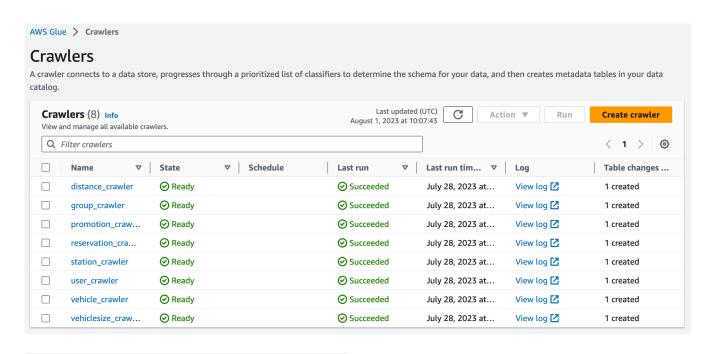


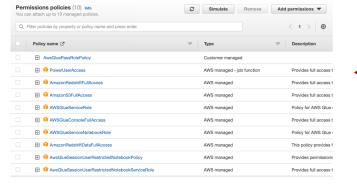
Star Schema

1. Create a bucket and upload data



2. Create data catalog using crawler





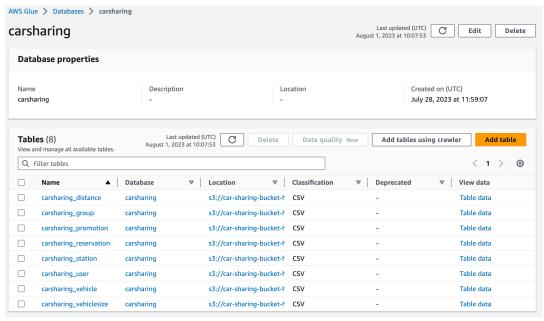


IAM Roles

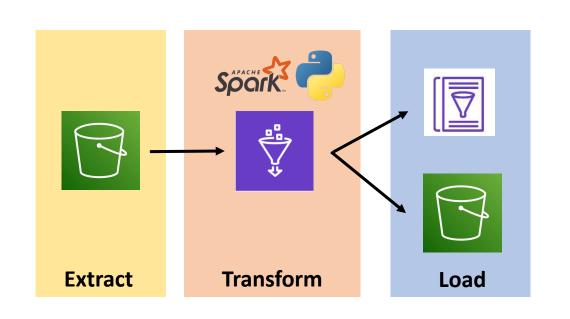


Data Catalog





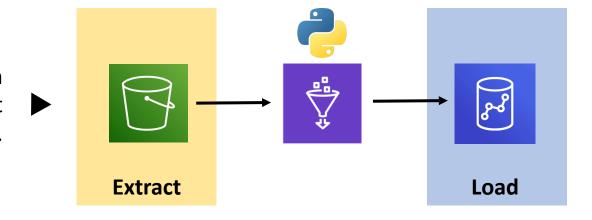
3. ETL raw data using AWS Glue





ETL_S3_Athena: Python Script for Extracting data from Amazon S3, Transforming data on Glue Notebook Studio using PySpark, Loading data to Amazon S3, and creating tables on the AWS Glue Catalog.

EL_Redshift: Python Script for Extracting data from Glue Catalog, and Loading data to Amazon Redshift with Redshift connector.

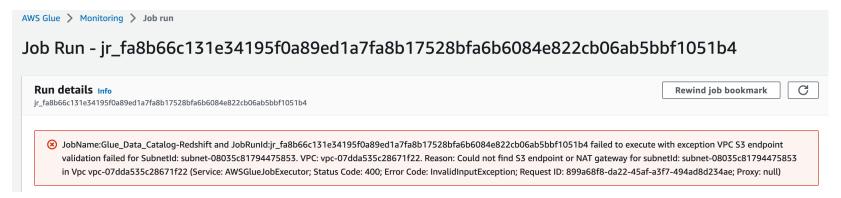


Problem

Can not load data to Redshift

Code with many script but it's not work, and finally...

1. Create Glue Connector (Connector type: Redshift) but...



2. Solved by create a new VPC Endpoint

https://repost.aws/knowledge-center/glue-s3-endpoint-validation-failed