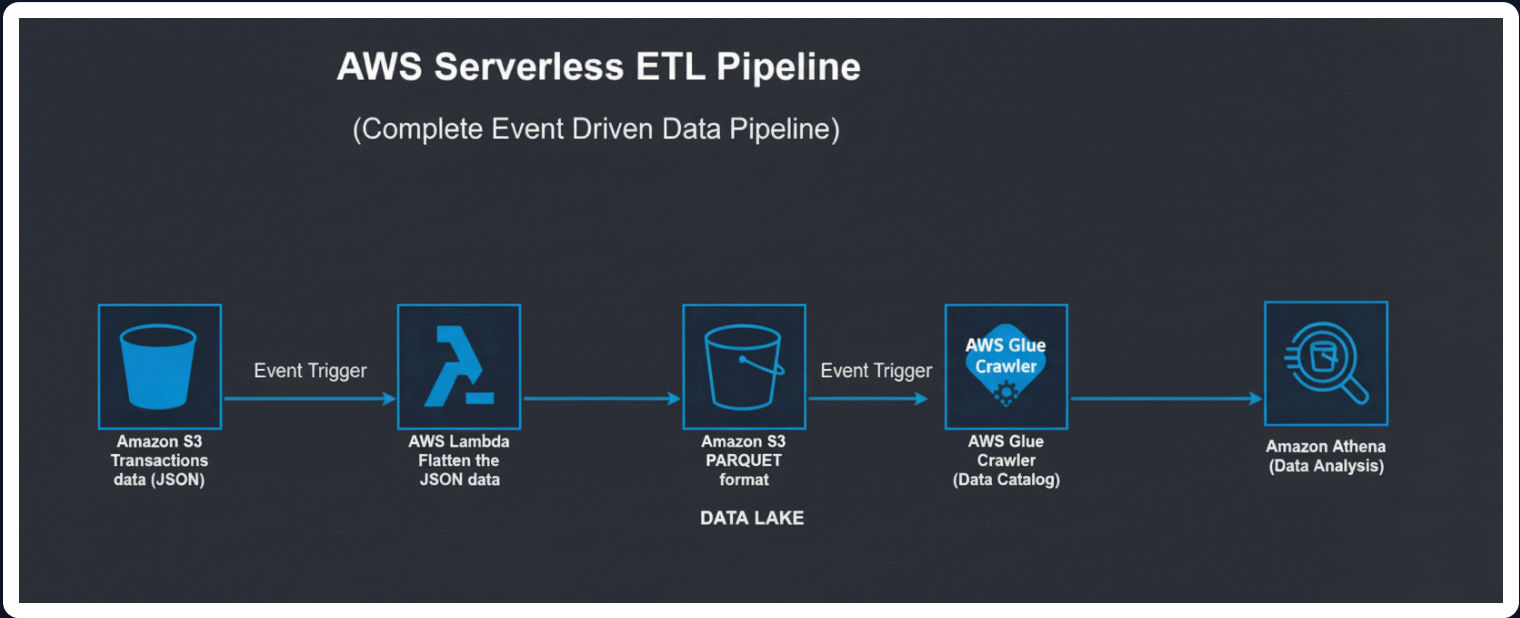


AWS Serverless ETL Pipeline

Data Catalog • Lambda • Athena

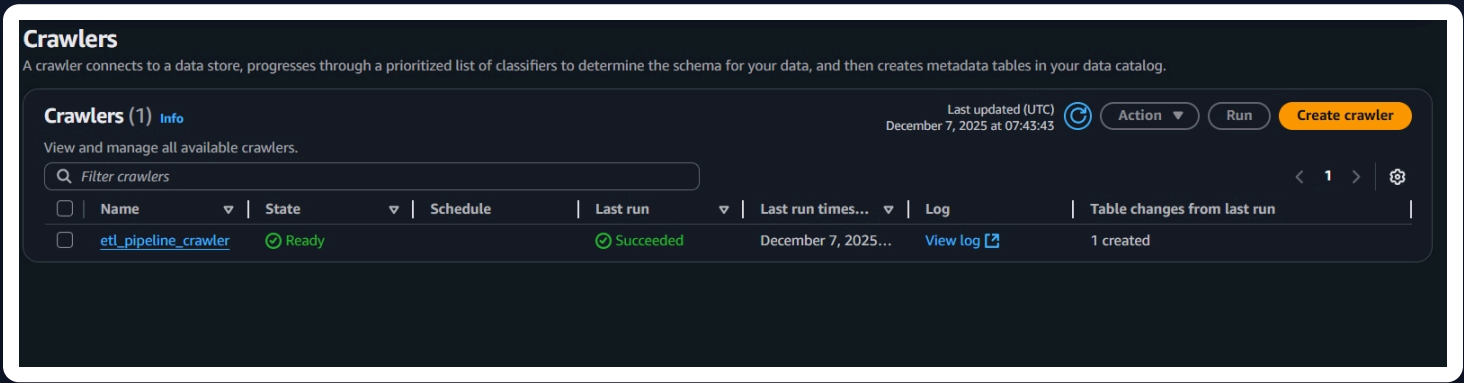
Serverless Data Engineering Architecture

Complete Event Driven Data Pipeline



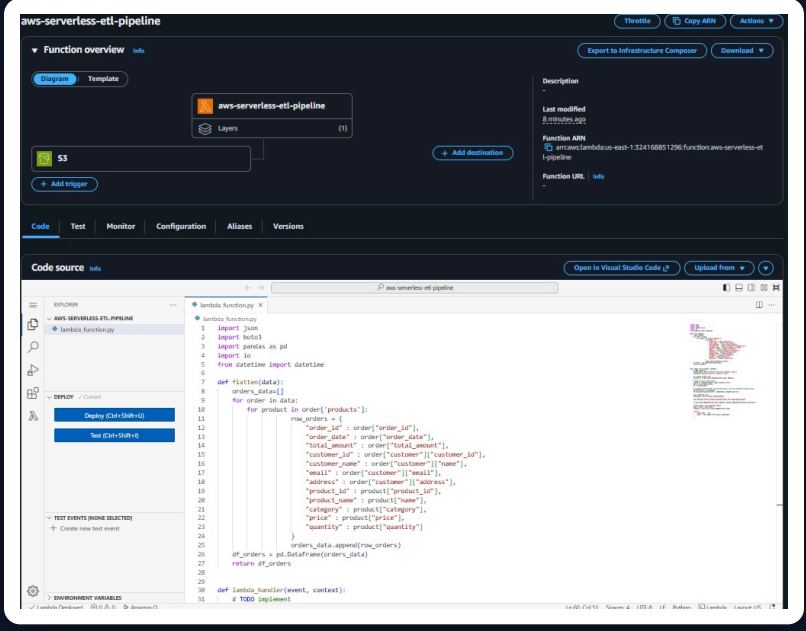
AWS Glue Crawler

Automated schema detection & metadata catalog creation



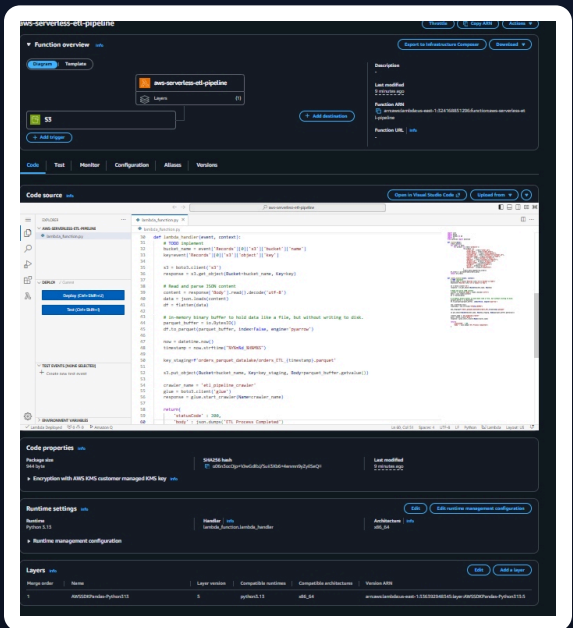
Lambda Functions - Code

Python-based transformation logic with boto3, pandas



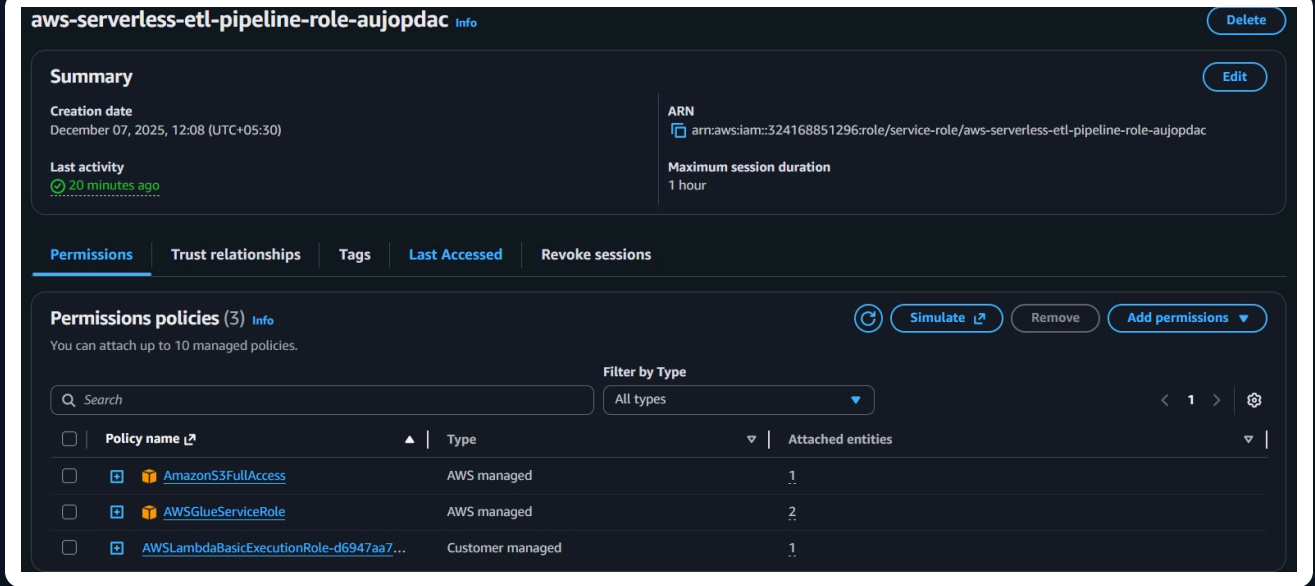
Lambda Functions - Configuration

Runtime settings, layers, and managed configurations



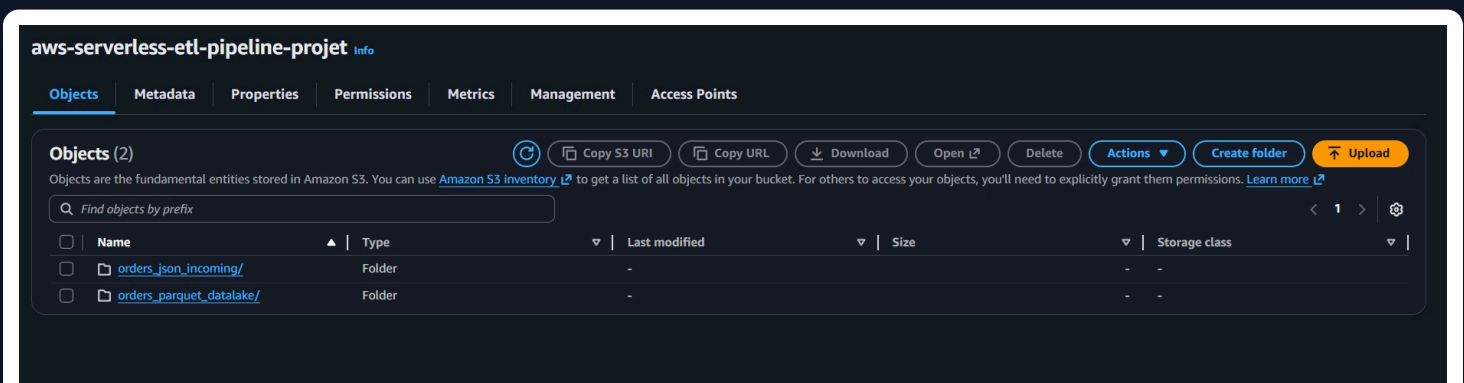
IAM Roles & Security

S3, Lambda, and Glue service permissions



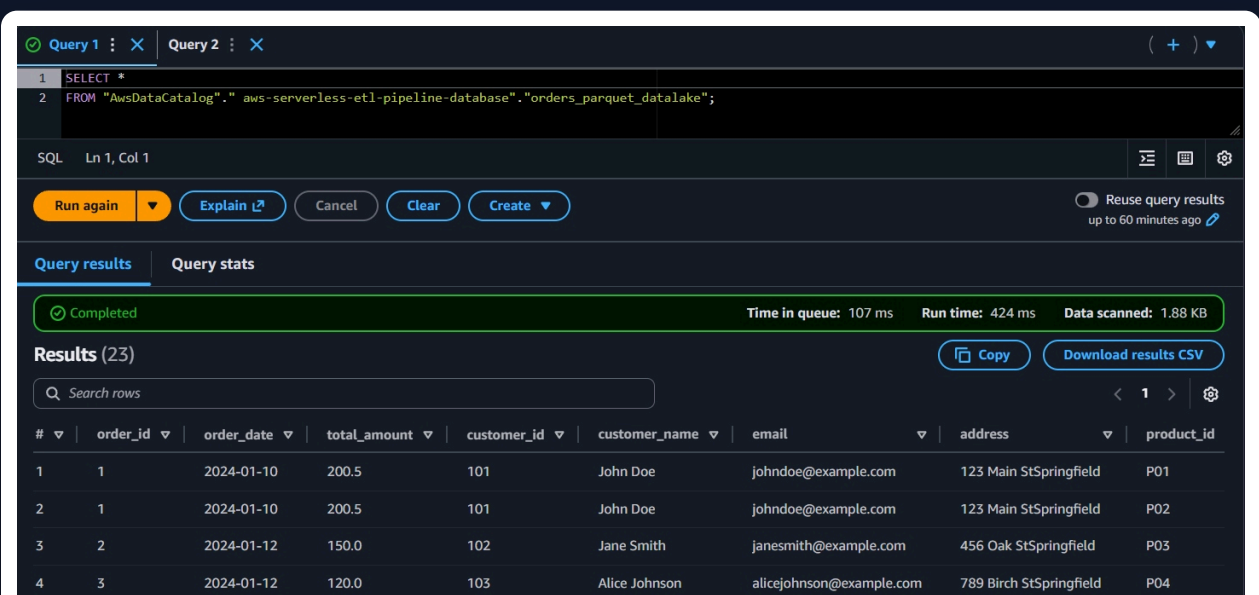
S3 Data Lake

Organized storage: raw and processed data



Amazon Athena

Serverless SQL queries on S3 data



Key Benefits

- Fully serverless - no infrastructure management
- Auto-scaling with pay-per-use pricing
- Integrated data catalog and metadata
- SQL-based analytics with Athena

Thank You

AWS Serverless ETL in Action

Production-Ready Data Pipeline