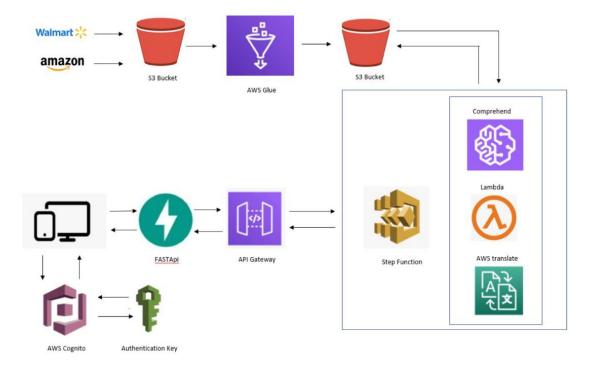
Project : Amazon Reviews Analysis pipeline with Price Comparisons

| Summary | In this codelab, you'll explain the project steps |
|---------|---|
| File id | https://codelabs-preview.appspot.com/?file_id=1jA65PqsQRwlj_ovkDnmuDLT7q K5jygMXLUuEfWNADWA#9 |
| Author | Aishwarya Parab, Abel Philip, Vidhi Patel |

Amazon Review Analysis



Architecture:

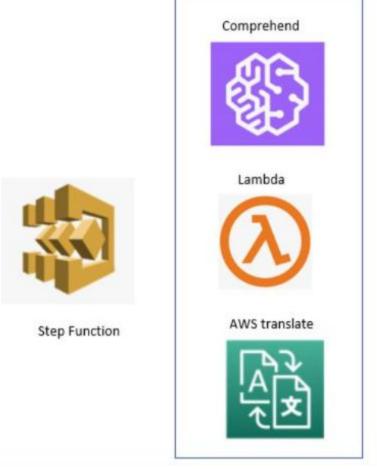


Step 1: Data Processing and Sentiment Analysis



• Create s3 bucket and load data files into it with the bucket having all public access

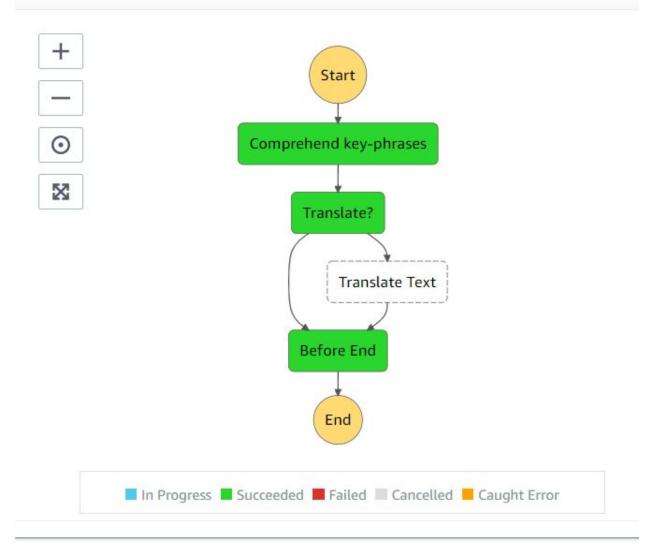
Step 2: Data Summarisation and Translate API



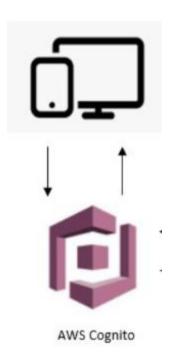
• AWS Comprehend is used to detect key features and provide the response in either english/french using translate

Implementation on step-function:

Graph inspector

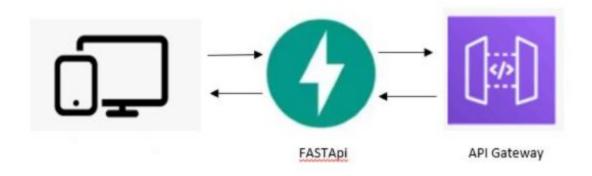


Step 3: User Authentication for APIs



 \bullet Creating the user pool using AWS Cognito with an Streamlit Application

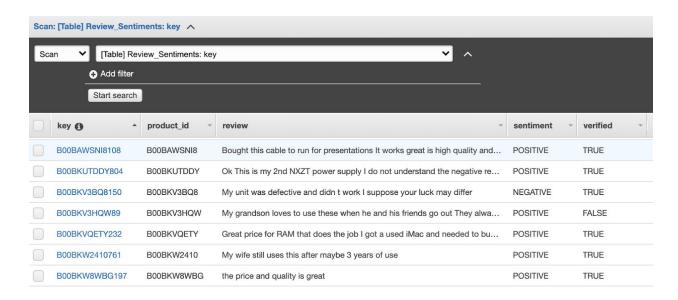
Step 4: Front end deployment



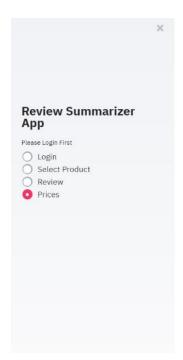
For each of the above APIs, create an end point in FAST Api using @app.get

And to enhance the application further we made a few more additions:

1.Performed Sentiment Analysis on data from S3 and added an extra column- further stored it on DnamoDB



2. A screen was added to show the comparison of prices for the selected product



Price comparison for Storite Hard Drive Amazon Price for the product - 29.99 Walmart Price for the product - 33.00 eBay Price for the product - 32.99 simple line example 0 +1-0 09 32.5 0 32 3 31.5 -31 -

Some snap shots:

