Overview of Project ☁️

In this project, we will be building an image labels generator, using Amazon Rekognition. This is going to be a fun one. Once built, it will be able to recognize and label images. For example, if you have a photo of a cat, Amazon Recognition will be able to identify what it is, and label the image as a cat.

Steps to be performed 

In the next few lessons, we'll be going through the following steps.

1. Creating an Amazon S3 Bucket
2. Uploading images to the S3 Bucket
3. Installing configuring the AWS Command line interface (CLI)
4. Importing libraries
5. Adding detect_labels function
6. Adding main function
7. Running your python file

Services Used 🛠️

- Amazon S3: For storing the images in the process of generating labels.
- Amazon Rekognition: To analyse images and generate image labels.

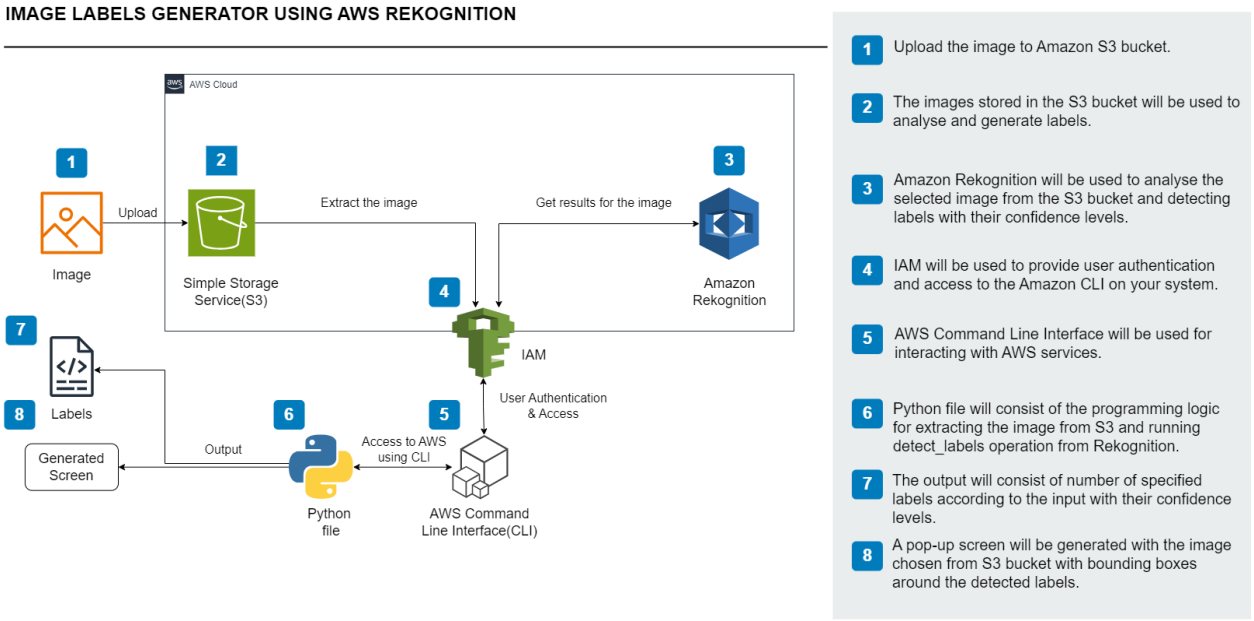
- AWS CLI: Interacting with AWS services through command line interface(CLI).

Estimated Time & Cost

- This project is estimated to take about 20-30 minutes
- Cost: Free (When using the AWS Free Tier)

Architectural Diagram

This it the architectural diagram for the project:



Final Result

This is what your project will look like, once built:


Figure 1
Traffic Light (88.59%)
Car (97.32%)
Car (97.32%)
Person (99.83%)
Car (97.32%)
Car (97.32%)
Car (97.32%)
Traffic Light (88.59%)
Car (97.32%)
Person (99.83%)
Car (97.32%)
0
50
100
150
200
250
300
0
100
200
300
400
500
600
x=136.7 y=24.4
[89, 89, 99]