Relationship between Services:

1. We upload an image into an S3 bucket.
2. Amazon S3 invokes the first of the two AWS Lambda functions to create a new job in Amazon Elastic Transcoder (the code for this follows this list).
3. Amazons Rekognition is used to create labels for the trained images in the S3 Bucket.

Flow:

Amazon Rekognition Model is running in AWS Server.

The test images are stored in the S3 Bucket which is in the AWS Server.

We start the model from our System.

Amazon Rekognition labels the test images.

We stop the model from the system.

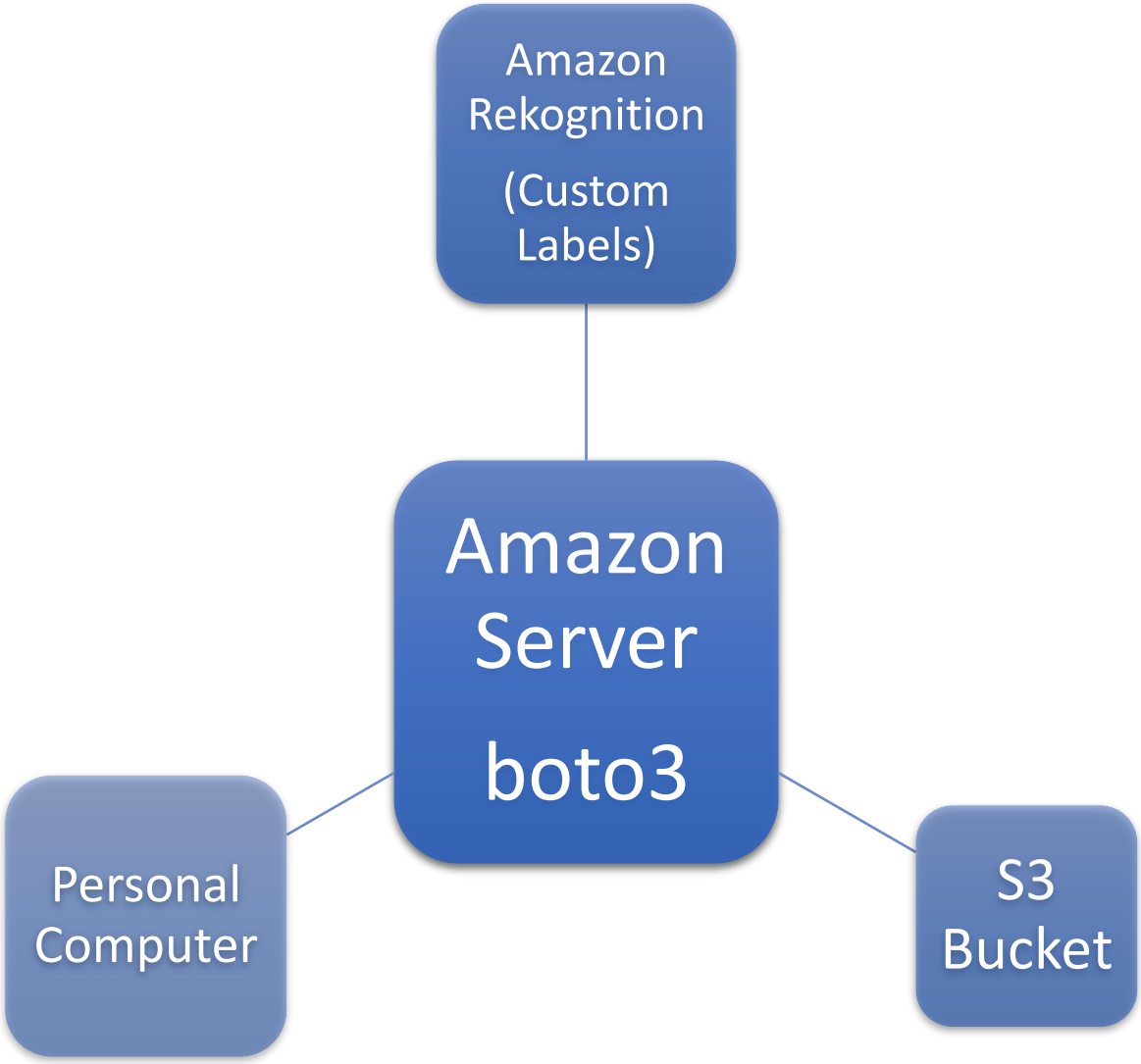
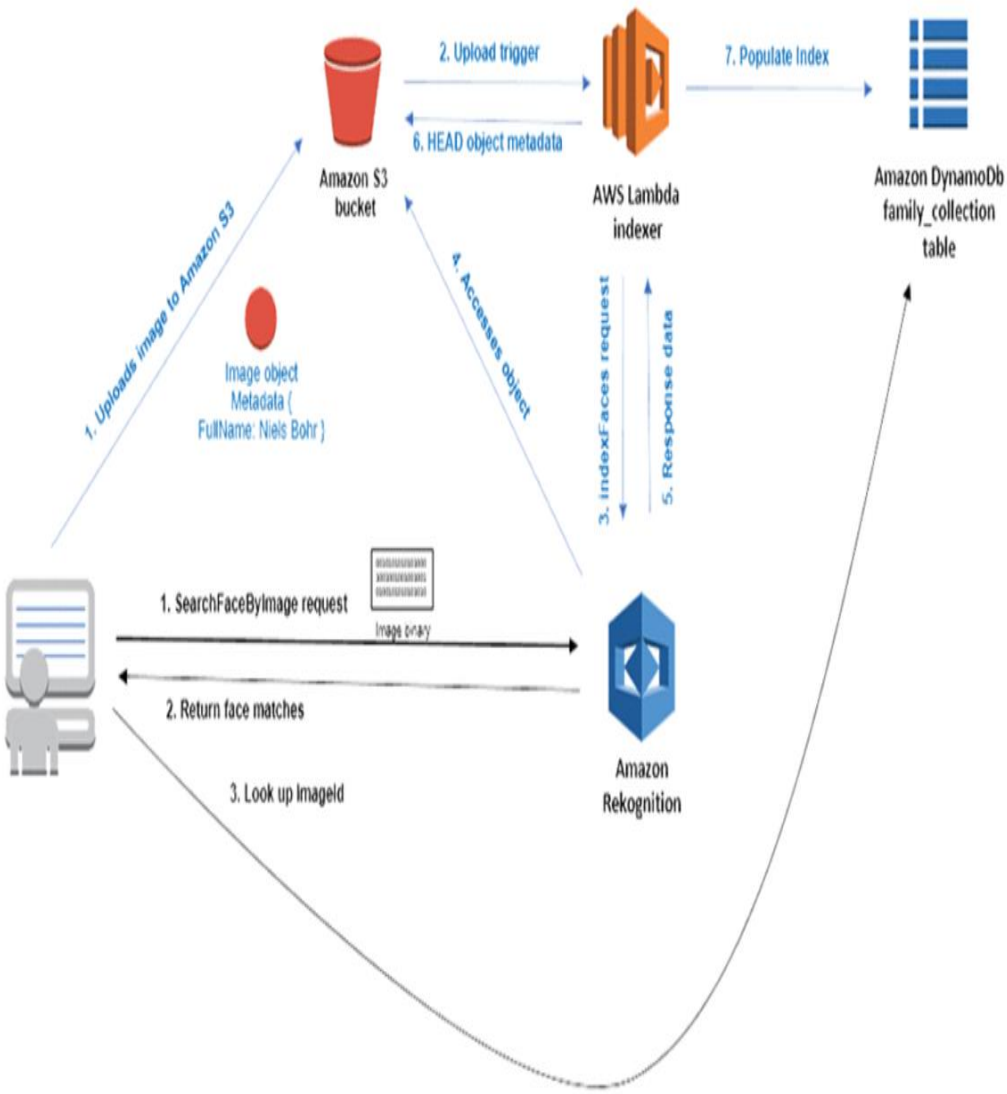


Figure 1 Showing the relationship between the services and User

How it works

The following figure shows the application workflow. It's separated into two main parts:

- **Indexing** (blue flow) is the process of importing images of faces into the collection for later analysis.
- **Analysis** (black flow) is the process of querying the collection of faces for matches within the index.



How it works

The following diagram shows how this solution works: