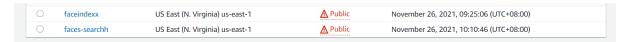
Configuration Guide 😂

1. Create 2 buckets

(Change bucket names accordingly because i have used this bucket name already so need to change it if you want to test my codes)

* AWS S3 don't allow similar bucket names that others use so change accordingly for all the codes

1. faceindexx



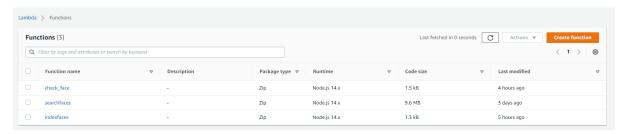
Uncheck all boxes for public access

Bucket Policy for faceindexx

CORS

Do the same for face-searchh bucket

2.Create 3 Lambda Functions



1. indexfaces

a. Need to add in imageMagick layer

https://serverlessrepo.aws.amazon.com/applications

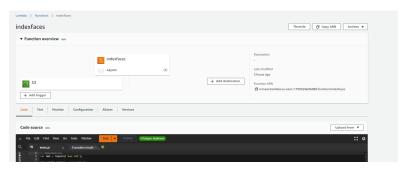
Click this, and you will get a "deploy" option, click deploy.

Sign in to console, go to the lambda function, add this layer via the ARN





Add trigger (S3 faceindexx trigger to this function)

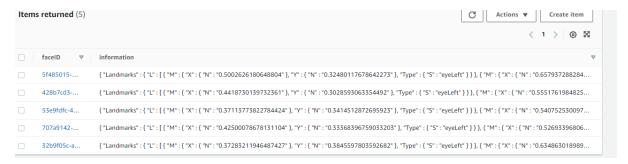




c. Add the codes in.

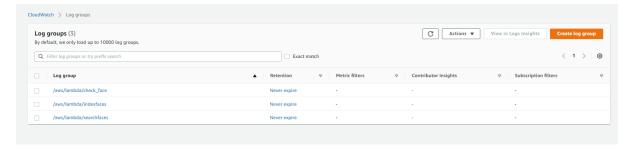
Inside the ITAD zip file, there is a file name "index.js". CTRL+A, copy all and paste in the code section.

d. Add the data into DynamoDB

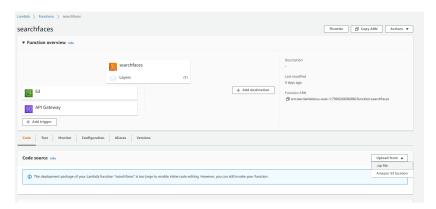


searchFaces

- a. do the same as indexfaces add the imageMagick layer
- b. create log group, go to cloudWatch log, then create log group. Name group as follows, "aws/lambda/bucketName"



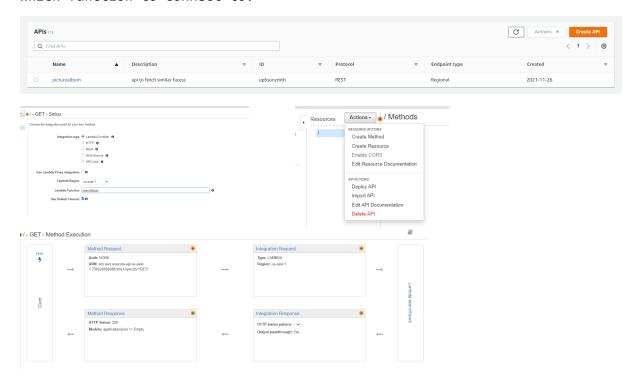
c. use the same role as above.



Add searchFacess zip file into the code source. Add the S3 bucket(faces-search) trigger and and the API Gateway.

Browse to API gateway. Click on create API -> REST API -> Build-> add the name you want to name the API.

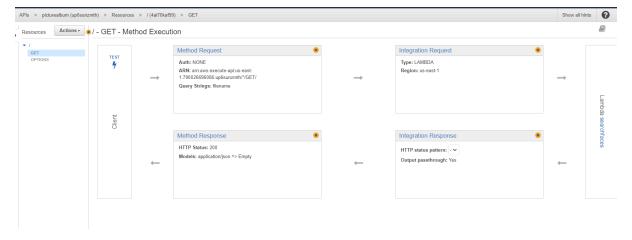
Create Method => go to get request -> click lambda function and add in which function to connect to.



click Method Request, Under URL Query Parameters, add query string as filename



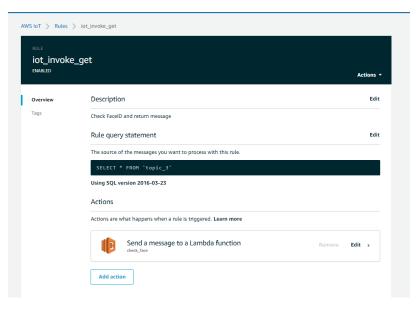
Once successfully done, it should look like this:



- 3. check_face
- a. open up iot_check_button.
- b. create thing, and rule.



Configure like this:



3. To Allow Unauthenticated Access, navigate to amazon Cognito -> manage Identity Pools -> create new identity pool

_	uiu							
	Create new identity pool							
	Identity pools are used to store er	tity pools are used to store end user identities. To declare a new identity pool, enter a unique name.						
	Identity pool name*	targettedClien	•					
		Example: My App Name						
	▼ Unauthenticated identities ⊕							
	Amazon Cognito can support unauthenticated identities by providing a unique identifier and AWS credentials for users who do not authenticate with an identity provider. If your application allows customers to use the application without logging in, you can enable access for unauthenticated identities. Learn more about unauthenticated identities.							
		~	Enable access to una Enabling this option mea	nauthenticated identifies aans that anyone with internet access can be granted AWS credentials. Unauthenticated identifies are typically users who do not log in to your application. Typically, the permissions that you assign for unauthenticated identifies are typically users who do not log in to your application. Typically, the permissions that you assign for unauthenticated identifies are typically users who do not log in to your application. Typically, the permissions that you assign for unauthenticated identifies are typically users who do not log in to your application. Typically, the permissions that you assign for unauthenticated identifies are typically users who do not log in to your application. Typically, the permissions that you assign for unauthenticated identifies are typically users who do not log in to your application. Typically, the permissions that you assign for unauthenticated identifies are typically users who do not log in to your application. Typically, the permissions that you assign for unauthenticated identifies are typically users.	identities should be more			
			restrictive than those for	r authenticated identities.				

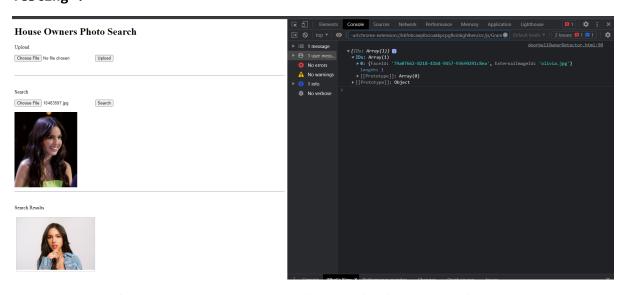
Allow -> OK -> go under sample code and you get your identity pool Id



Inside the html -> change the identity Id to your ID.

4. SNS -> create topic -> create subscription and add any valid email.

Testing:



Copy the faceid from console, subscribe topic in MQTT client.