

02/02/2022

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PES2UG19CS186

C SECTION

LAB 1 - Introduction to Serverless Computing with AWS Lambda:

We used the AWS lambda Platform to work on all 4 tasks.

Site:-Qwiklabs

Aim:- Main work on this week to make the resize the image from the original one.

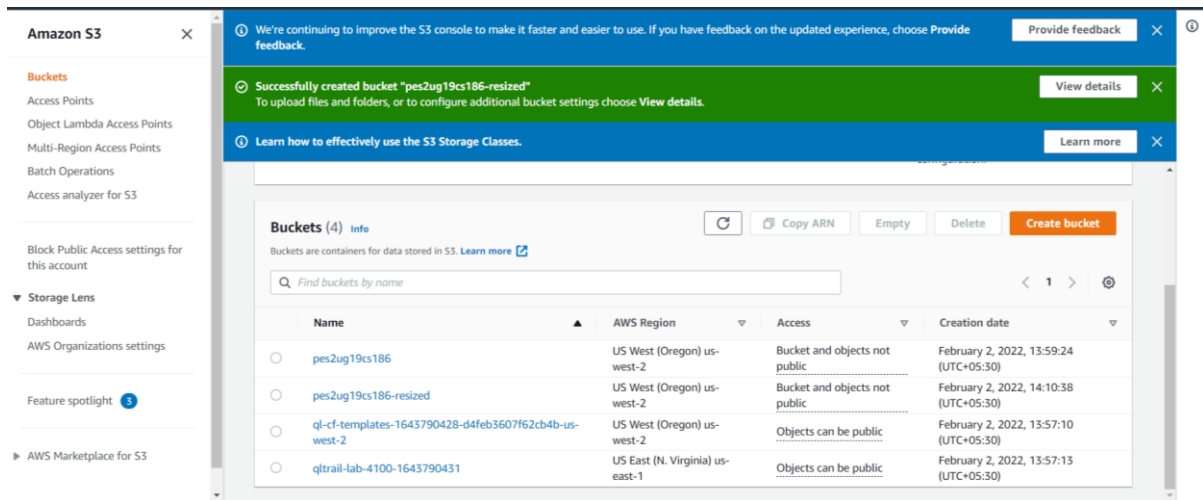
TASK 1:- Here we need to create the bucket to insert and check the the resized image

Name original-bucket as name:- **pes2ug19cs186**

Resized-bucket name-**pes2ug19cs186-resized**

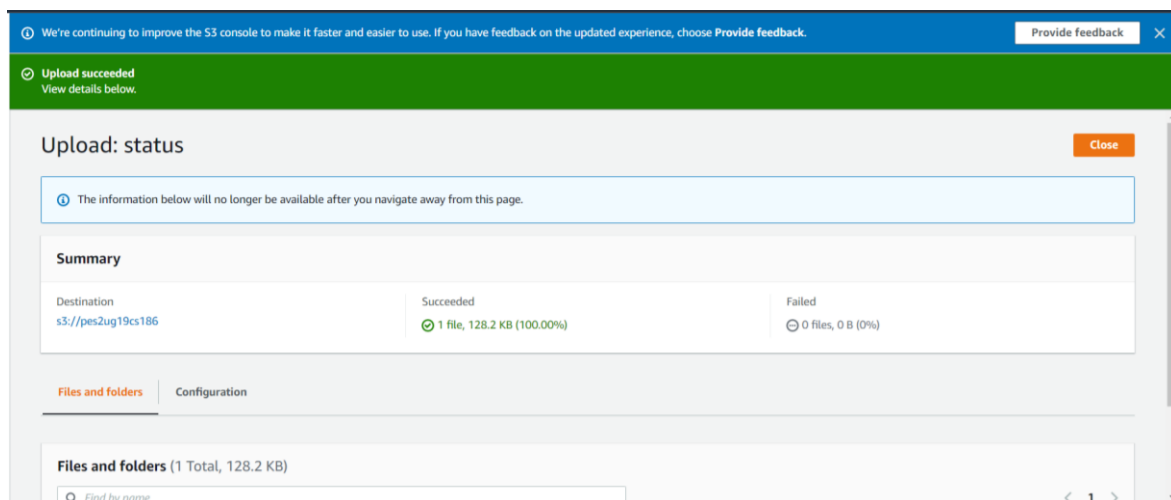
The screenshot displays the Amazon S3 console interface. At the top, there are three notification banners: a blue one about feedback, a green one stating 'Successfully created bucket "pes2ug19cs186"' with a 'View details' link, and a blue one about S3 Storage Classes with a 'Learn more' link. The left sidebar shows the 'Amazon S3' menu with options like Buckets, Access Points, and Storage Lens. The main content area shows an 'Account snapshot' with metrics: Total storage (554.2 KB), Object count (4), and Avg. object size (138.5 KB). Below this, the 'Buckets (3)' section is visible, showing a table with one bucket named 'pes2ug19cs186' in the 'US West (Oregon) us-' region, with a creation date of 'February 2, 2022, 13:59:24'.

Name	AWS Region	Access	Creation date
pes2ug19cs186	US West (Oregon) us-	Bucket and objects not	February 2, 2022, 13:59:24

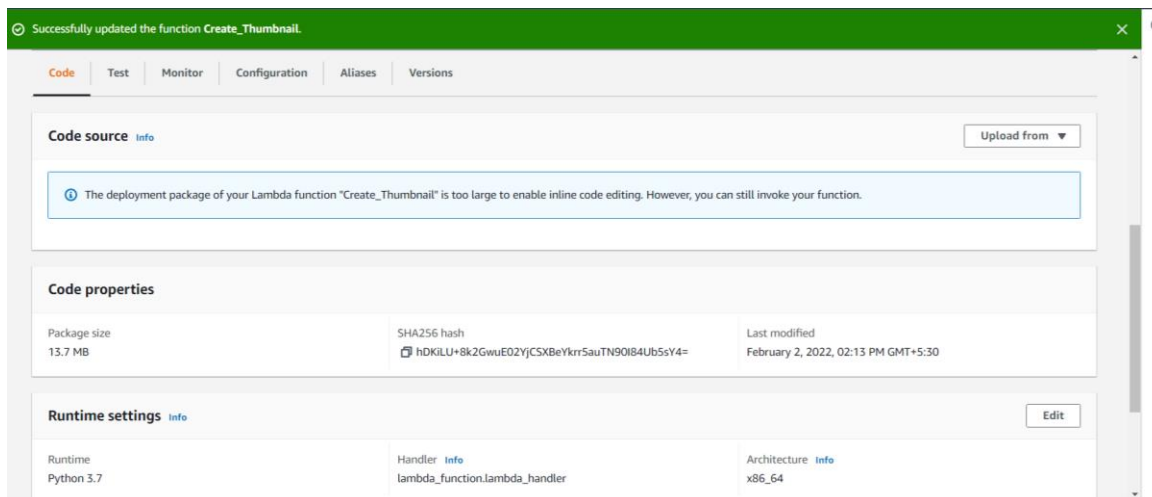
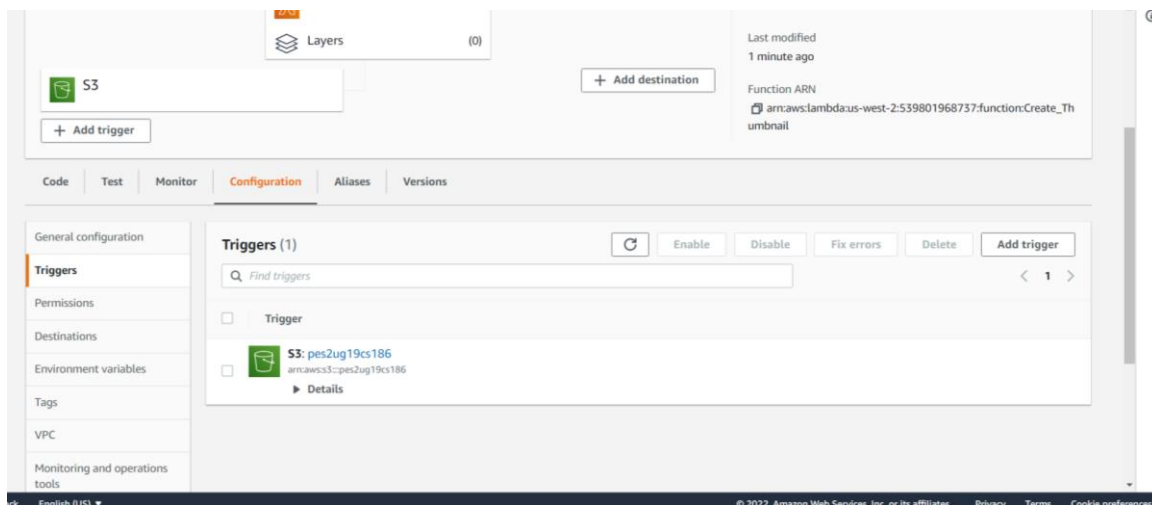
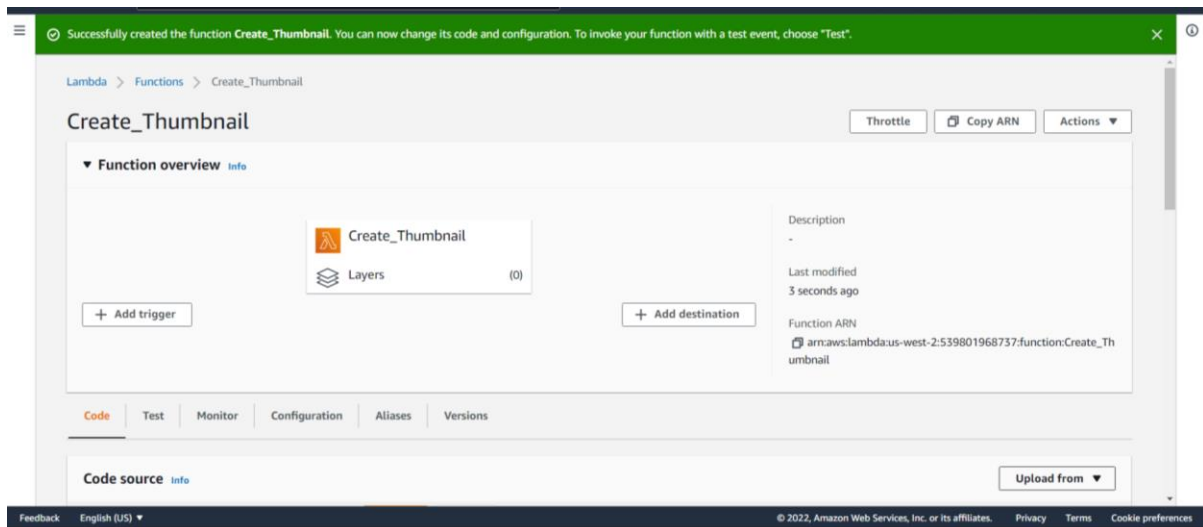


TASK2 :- UPLOAD THE IMAGE TO THE BUCKET AND CREATE THE LAMDA FUNCTION

I am uploading the HappyFace.jpg file to orinal bucket that should be in proper format .

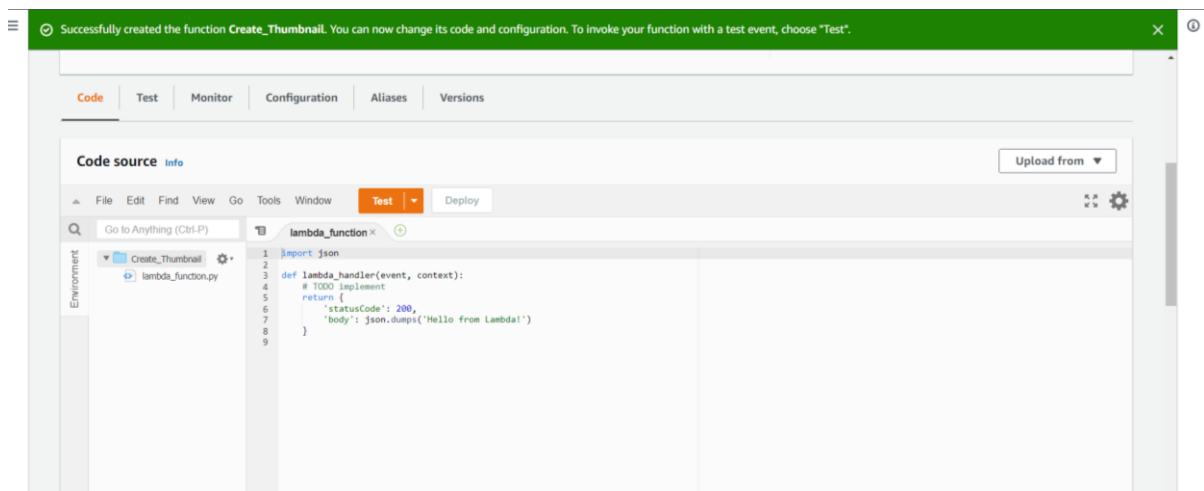


We need to create the _Thumbnail floder and add a trigger to s3 buket. And select python 3.7 language



and make code the part in available to function

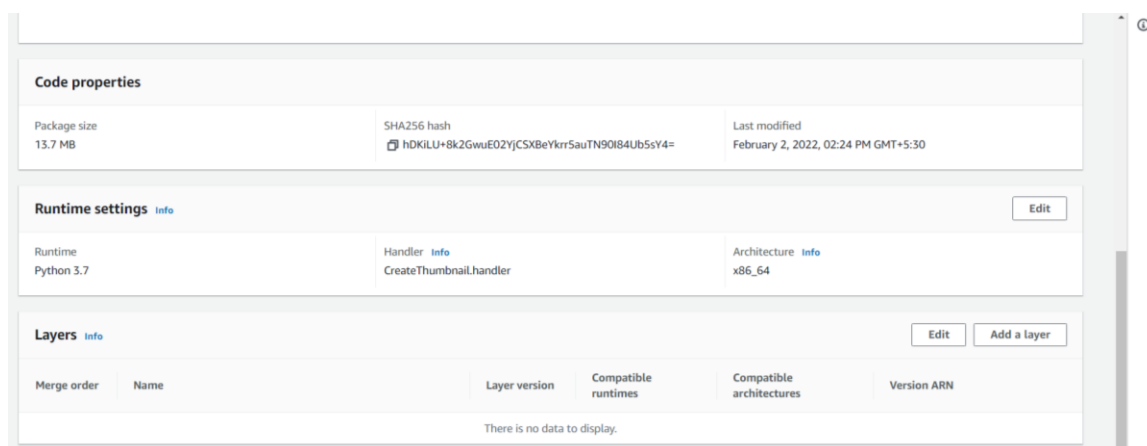
<https://s3-us-west-2.amazonaws.com/us-west-2-aws-training/awsu-spl/spl-88/2.3.18.prod/scripts/CreateThumbnail.zip>



We edited the Runtime setting and general configuration:

Handler:- `CreateThumbnail.handler`

Description:- Create a thumbnail-sized image



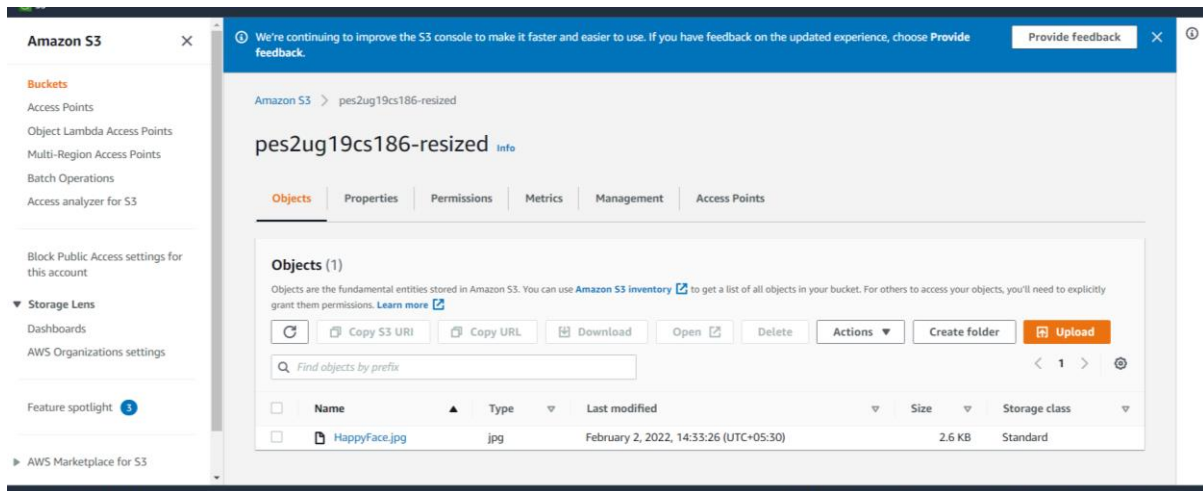
TASK3:- TEST THE FUNCTION:-

Here we need to change the name of our file

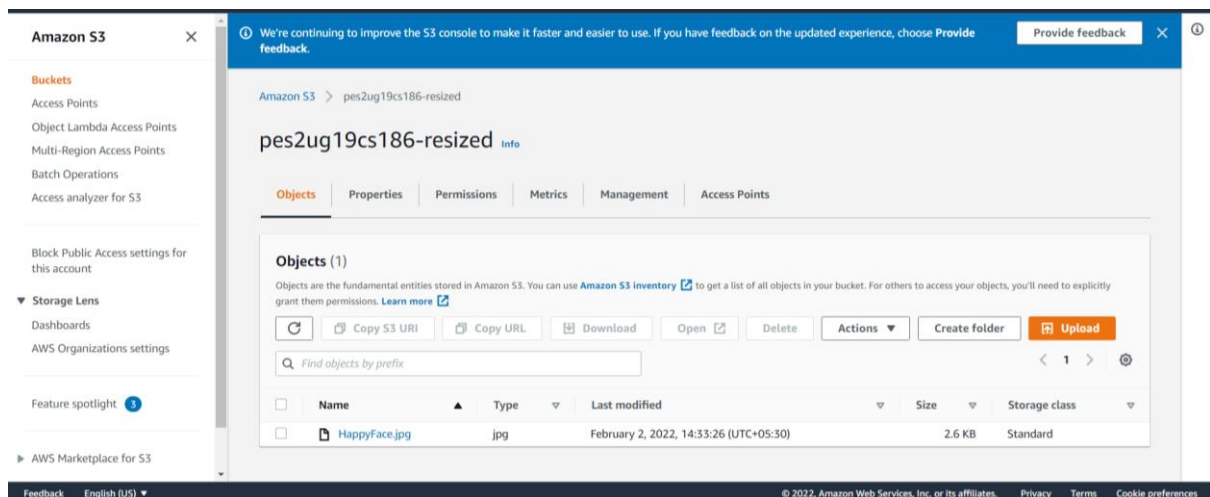
Name:- `pes2ug19cs186` (bucket name)

Key:- `HappyFace.jpg`

arn:- `arn:aws:s3:::pes2ug19cs186`



Reduced to 2.6kb



TASK4 :-MONITORING AND LOGGING

We need to lamda file in that path we need to open log stream file to view the stream result .

The top screenshot displays the 'Log group details' for the log group '/aws/lambda/Create_Thumbnail'. The details include:

- Retention: Never expire
- Creation time: 9 minutes ago
- Stored bytes: -
- ARN: arn:aws:logs:sus-west-2:539801968737:log-group:/aws/lambda/Create_Thumbnail:*
- KMS key ID: -
- Metric filters: 0
- Subscription filters: 0
- Contributor Insights rules: -

The bottom screenshot shows the 'Log events' view for the same log group. It includes a filter bar and a table of log events:

Timestamp	Message
No older events at this moment. Retry	
2022-02-02T14:33:24.491+05:30	START RequestId: 9ea865bf-d5b9-43c1-9b11-8b6aa2dd647b Version: \$LATEST
2022-02-02T14:33:25.534+05:30	END RequestId: 9ea865bf-d5b9-43c1-9b11-8b6aa2dd647b
2022-02-02T14:33:25.534+05:30	REPORT RequestId: 9ea865bf-d5b9-43c1-9b11-8b6aa2dd647b Duration: 1040.89 ms Billed Duration: 1041 ms Memory Size: 128 MB Max ...
No newer events at this moment. Auto retry paused . Resume	

The monitoring is showing the graph:

Duration graph:- 9min wth 1.04kmsec

Invocations:-1 in 9min

Thorttle:-9min

There is no Async delivery failures

Error count:-0.5 %

Success rate:- 99.5%

