

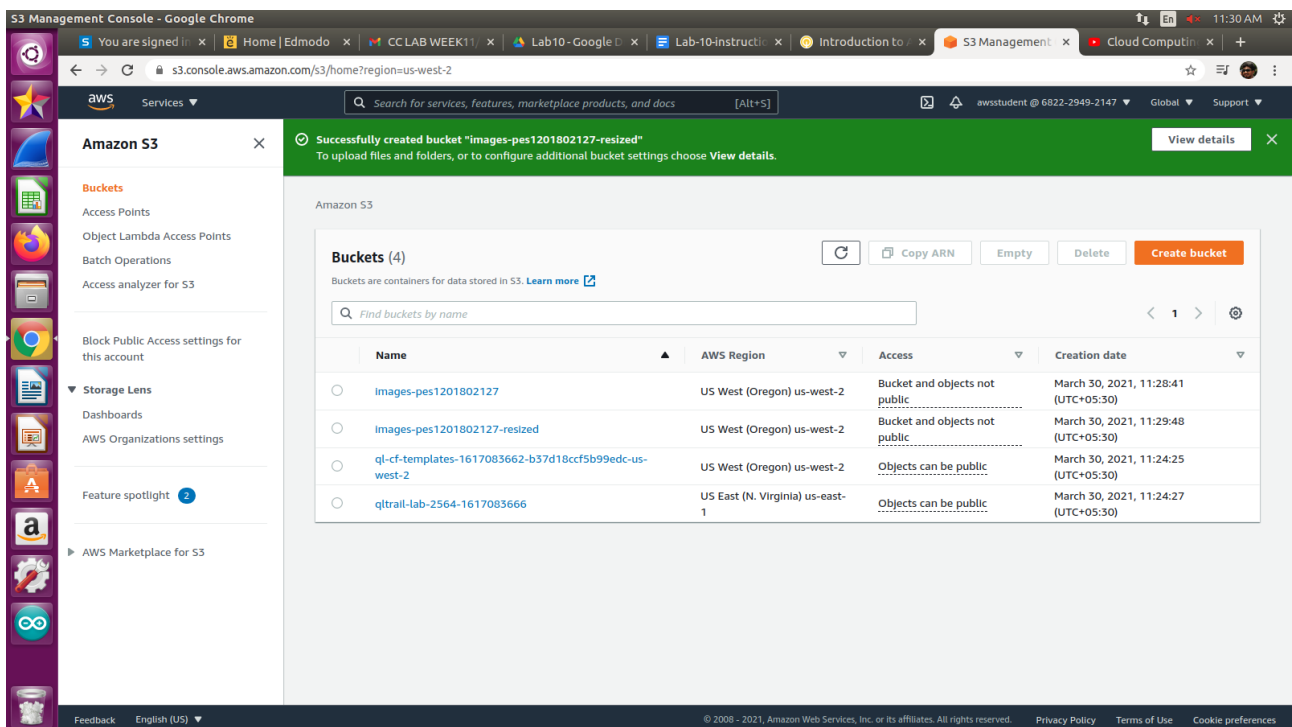
# Cloud Computing Lab Week 10

## PES1201802127

### Siddharth K Rao

## Task 1:

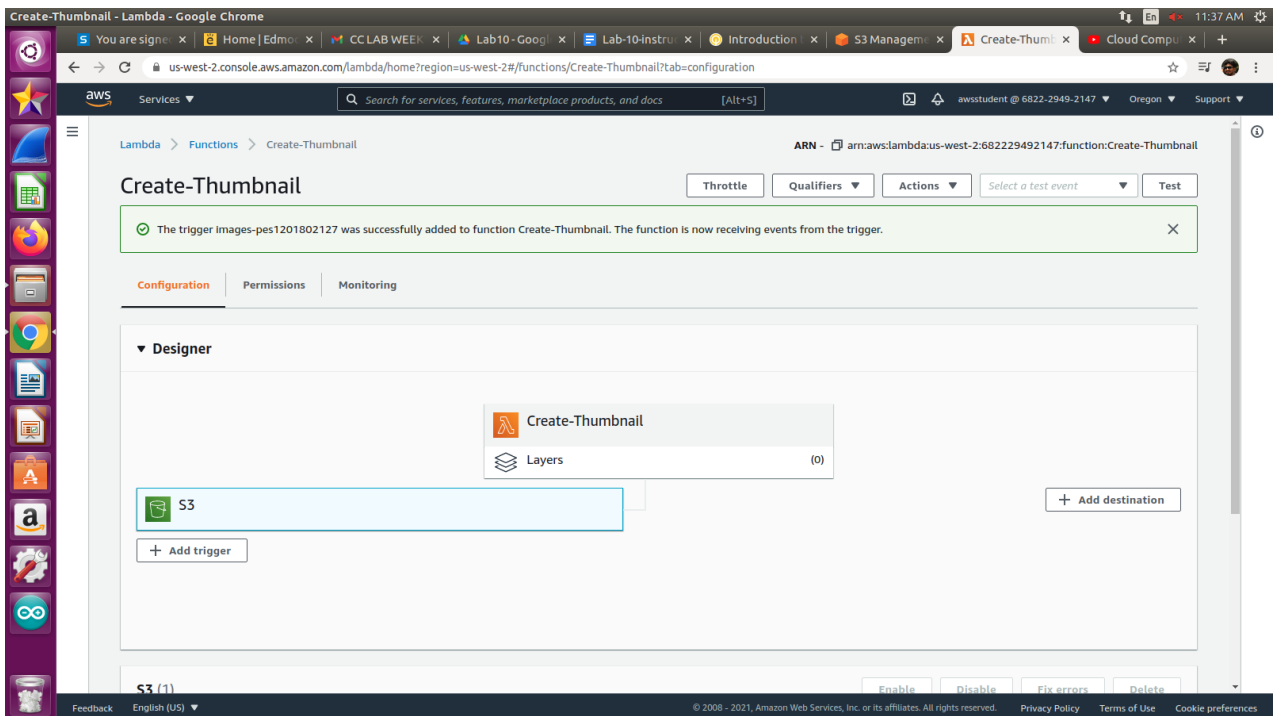
1a.png: Showing 2 S3 buckets created , one having the original image and another S3 bucket suffixed with -resized to store thumbnails



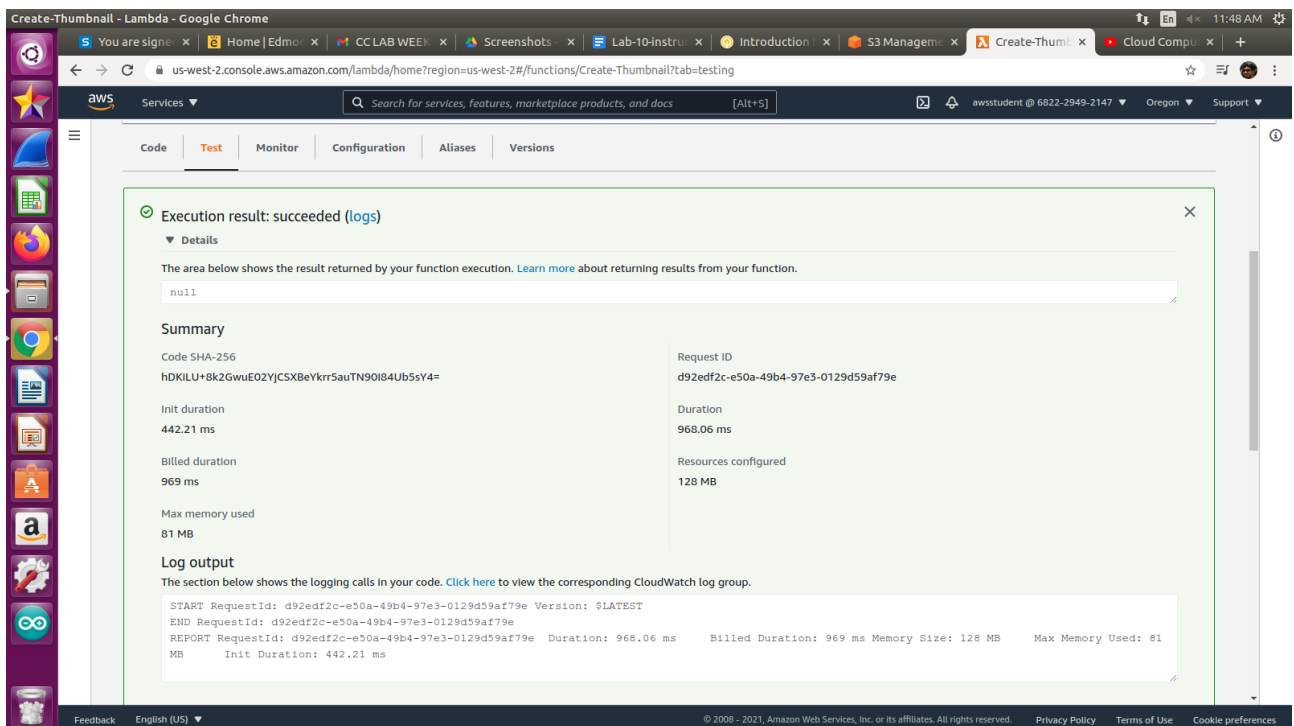
The screenshot displays the AWS S3 Management Console in Google Chrome. A green notification banner at the top states: "Successfully created bucket 'images-pes1201802127-resized'". Below this, the "Buckets (4)" section shows a table of four buckets. The first two buckets, "images-pes1201802127" and "images-pes1201802127-resized", are in the "US West (Oregon) us-west-2" region and have "Bucket and objects not public" access. The other two buckets are in different regions and have "Objects can be public" access.

Name	AWS Region	Access	Creation date
images-pes1201802127	US West (Oregon) us-west-2	Bucket and objects not public	March 30, 2021, 11:28:41 (UTC+05:30)
images-pes1201802127-resized	US West (Oregon) us-west-2	Bucket and objects not public	March 30, 2021, 11:29:48 (UTC+05:30)
ql-cf-templates-1617083662-b37d18ccf5b99edc-us-west-2	US West (Oregon) us-west-2	Objects can be public	March 30, 2021, 11:24:25 (UTC+05:30)
qtrail-lab-2564-1617083666	US East (N. Virginia) us-east-1	Objects can be public	March 30, 2021, 11:24:27 (UTC+05:30)

1b.png: Showing the Designer tab diagram, showing that S3 will trigger the creation of the create-thumbnail function



1c.png: Test run successfully



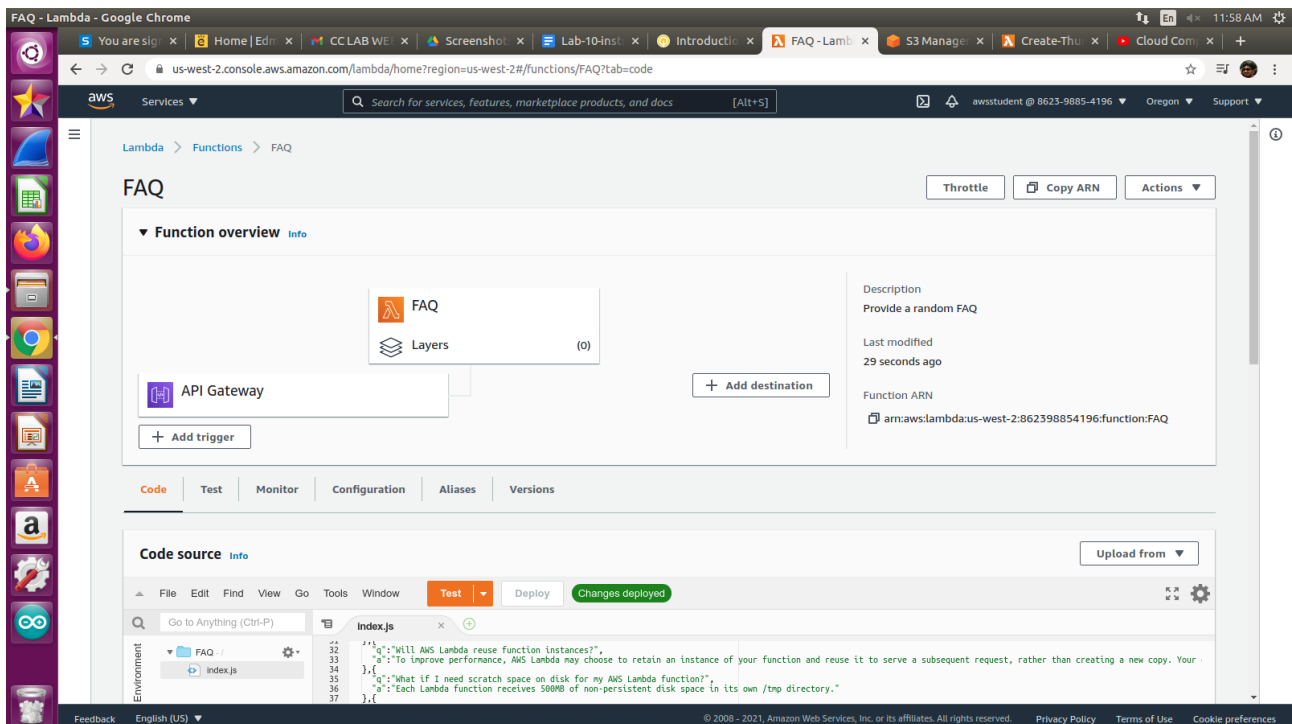
1d.png: Thumbnail created in the *-resized* S3 bucket.

The screenshot shows the Amazon S3 Management Console in Google Chrome. The browser's address bar displays the URL: `s3.console.aws.amazon.com/s3/buckets/images-pes1201802127-resized?region=us-west-2&tab=objects`. The console interface includes a left-hand navigation pane with the 'Amazon S3' service selected. The main content area is titled 'images-pes1201802127-resized' and features tabs for 'Objects', 'Properties', 'Permissions', 'Metrics', 'Management', and 'Access Points'. The 'Objects' tab is active, showing a list of objects. Below the tabs, there is a section titled 'Objects (1)' with a brief description and a search bar. A table lists the objects, with one object visible: 'HappyFace.jpg'.

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	HappyFace.jpg	jpg	March 30, 2021, 11:47:25 (UTC+05:30)	2.6 KB	Standard

## Task 2:

2a.png: Showing the Designer tab diagram, showing that API Gateway will trigger the creation of the create-thumbnail function



2b.png: Screenshot of accessing the API Endpoint URL on browser and getting successful response



## 2c.png: Test run successfully

The screenshot displays the AWS Lambda console in Google Chrome. The browser's address bar shows the URL: `us-west-2.console.aws.amazon.com/lambda/home?region=us-west-2#/functions/FAQ?tab=testing`. The page title is "FAQ - Lambda - Google Chrome". The AWS console header shows the user is logged in as "awsstudent @ 8623-9885-4196" in the "Oregon" region.

The main content area shows the "Execution result: succeeded (logs)" for the "FAQ" function. The "Details" section indicates the function returned a result. The "Summary" section provides the following information:

Code SHA-256	Request ID
2AzuzNAwNMJlI9T/35RHIVuNETgrHag9G1hppMb8I=	6006fc15-0177-4a72-8858-9c036704d761

Additional summary details:

Duration	Billed duration
1.73 ms	2 ms

Resources configured	Max memory used
128 MB	65 MB

The "Log output" section shows the following logs:

```
START RequestId: 6006fc15-0177-4a72-8858-9c036704d761 Version: $LATEST
2021-03-30T06:31:20.601Z    6006fc15-0177-4a72-8858-9c036704d761    INFO    Quote selected: 6
2021-03-30T06:31:20.601Z    6006fc15-0177-4a72-8858-9c036704d761    INFO    {
  "body": "[\"q\": \"How does AWS Lambda isolate my code?\", \"a\": \"Each AWS Lambda function runs in its own isolated environment, with its own resources and file system view. AWS Lambda uses the same techniques as Amazon EC2 to provide security and separation at the infrastructure and execution levels.\"]"
}
END RequestId: 6006fc15-0177-4a72-8858-9c036704d761
REPORT RequestId: 6006fc15-0177-4a72-8858-9c036704d761 Duration: 1.73 ms Billed Duration: 2 ms Memory Size: 128 MB Max Memory Used:
```

The footer of the console shows "Feedback", "English (US)", and copyright information: "© 2008 - 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved." It also includes links for "Privacy Policy", "Terms of Use", and "Cookie preferences".