

# Cloud Computing

## UE19CS352

### 6th Semester, Academic Year 2021-22

#### Week #: 1 - Serverless Computing with AWS Lambda

Date: 31/1/2022

Name :  
SUMUKH RAJU BHAT

SRN :  
PES1UG19CS519

Section :  
H

#### 1. a. 2 buckets created

Activities Google Chrome Jan 31 2:48 PM

s3.console.aws.amazon.com/s3/home?region=us-west-2

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aws Services Search for services, features, blogs, docs, and more [Alt+S]

**Amazon S3**

**Buckets**

Access Points  
Object Lambda Access Points  
Multi-Region Access Points  
Batch Operations  
Access analyzer for S3

Block Public Access settings for this account

**Storage Lens**  
Dashboards  
AWS Organizations settings

Feature spotlight

AWS Marketplace for S3

**Successfully created bucket "pes1ug19cs519-resized"**  
To upload files and folders, or to configure additional bucket settings choose [View details](#).

Amazon S3

**Account snapshot**  
Last updated: Jan 21, 2022 by Storage Lens. Metrics are generated every 24 hours. [Learn more](#)

[View Storage Lens dashboard](#)

Total storage	Object count	Avg. object size	You can enable advanced metrics in the "default-account-dashboard" configuration.
295.9 KB	172	1.7 KB	

**Buckets (4)** [Info](#)

Buckets are containers for data stored in S3. [Learn more](#)

Find buckets by name

Name	AWS Region	Access	Creation date
<input type="radio"/> pes1ug19cs519	US West (Oregon) us-west-2	Bucket and objects not public	January 31, 2022, 14:47:41 (UTC+05:30)
<input type="radio"/> pes1ug19cs519-resized	US West (Oregon) us-west-2	Bucket and objects not public	January 31, 2022, 14:48:17 (UTC+05:30)
<input type="radio"/> ql-cf-templates-1643620481-Of46c6e727dffe0c-us-west-2	US West (Oregon) us-west-2	Objects can be public	January 31, 2022, 14:44:43 (UTC+05:30)
<input type="radio"/> qltrail-lab-4100-1643620484	US East (N. Virginia) us-east-1	Objects can be public	January 31, 2022, 14:44:46 (UTC+05:30)

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## 1. b. Successful test run

The screenshot shows the AWS Lambda console for the 'Create-Thumbnail-Lambda' function. A green banner at the top indicates 'The test event Upload was successfully saved.' The 'Test' tab is selected, showing the execution result: 'Execution result: succeeded (logs)'. The details section shows the function returned 'null'. The summary section provides the following information:

Code SHA-256	Request ID
hDKILU+8k2GwuE02YjCSXBeykr5auTN90i84Ub5y4=	7e181b50-c0a7-4641-b5c7-122f40b9249b

Init duration: 489.33 ms  
Billed duration: 1022 ms  
Max memory used: 68 MB  
Duration: 1021.19 ms  
Resources configured: 128 MB

**Log output**  
The section below shows the logging calls in your code. [Click here](#) to view the corresponding CloudWatch log group.

```
START RequestId: 7e181b50-c0a7-4641-b5c7-122f40b9249b Version: $LATEST  
END RequestId: 7e181b50-c0a7-4641-b5c7-122f40b9249b  
REPORT RequestId: 7e181b50-c0a7-4641-b5c7-122f40b9249b Duration: 1021.19 ms Billed Duration: 1022 ms Memory Size: 128 MB Max Memory Used: 68 MB Init Duration: 489.33 ms
```

At the bottom, there are buttons for 'Delete', 'Format', 'Save changes', and 'Test'.

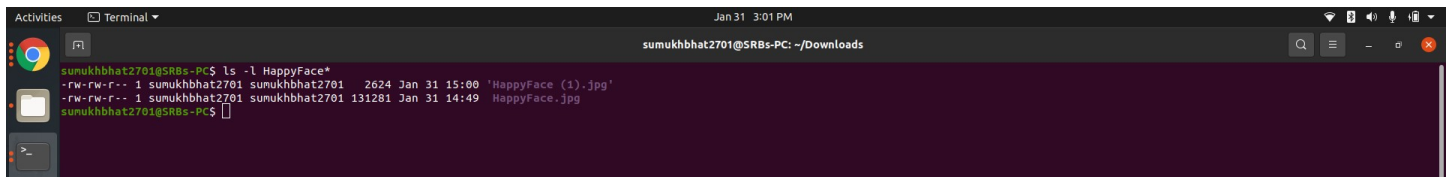
## 1. c. Thumbnail created in resized bucket

The screenshot shows the AWS S3 console for the 'pes1ug19cs519-resized' bucket. The object 'HappyFace.jpg' is selected. The 'Properties' tab is active, showing the following details:

Property	Value
Owner	aws032798
AWS Region	US West (Oregon) us-west-2
Last modified	January 31, 2022, 14:59:28 (UTC+05:30)
Size	2.6 KB
Type	Jpg
Key	HappyFace.jpg
S3 URI	s3://pes1ug19cs519-resized/HappyFace.jpg
Amazon Resource Name (ARN)	arn:aws:s3:::pes1ug19cs519-resized/HappyFace.jpg
Entity tag (Etag)	06669e6fbde5b5a8e77f61fef9a2661
Object URL	https://pes1ug19cs519-resized.s3.us-west-2.amazonaws.com/HappyFace.jpg

The 'Object management overview' section provides additional context on bucket properties and management configurations.

(Proof of resize after downloading)



A terminal window titled "Terminal" with a dark background. The window shows the output of the command `ls -l HappyFace*`. The output lists two files: `'HappyFace (1).jpg'` and `HappyFace.jpg`, both owned by `sumukhbhat2701` and `sumukhbhat2701` respectively, with permissions `-rw-rw-r--`. The terminal prompt is `sumukhbhat2701@SRBs-PC: ~/Downloads`.

```
sumukhbhat2701@SRBs-PC$ ls -l HappyFace*
-rw-rw-r-- 1 sumukhbhat2701 sumukhbhat2701  2624 Jan 31 15:00 'HappyFace (1).jpg'
-rw-rw-r-- 1 sumukhbhat2701 sumukhbhat2701 131281 Jan 31 14:49 HappyFace.jpg
sumukhbhat2701@SRBs-PC$
```