

Cloud Computing Lab Week 1

Name – B Pravena

Section - B

SRN – PES2UG19CS076

Task 1 – Create the Amazon S3 Buckets

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

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Global awsstudent @ 4199-8145-488

We're continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose **Provide feedback**.

Successfully created bucket "pes2ug19cs076"
To upload files and folders, or to configure additional bucket settings choose **View details**.

Learn how to effectively use the S3 Storage Classes. **Learn more**

Amazon S3

Account snapshot **View Storage Lens dashboard**
Last updated: Jun 2, 2021 by Storage Lens. Metrics are generated every 24 hours. [Learn more](#)

Total storage	Object count	Avg. object size	You can enable advanced metrics in the "default-account-dashboard" configuration.
9.5 MB	679	14.3 KB	

Buckets (3) [Info](#) [Refresh](#) [Copy ARN](#) [Empty](#) [Delete](#) [Create bucket](#)

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

Find buckets by name

Name	AWS Region	Access	Creation date
pes2ug19cs076	US West (Oregon) us-	Bucket and objects not	January 28, 2022, 14:14:39

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We're continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose **Provide feedback**.

Successfully created bucket "pes2ug19cs076-resized"
To upload files and folders, or to configure additional bucket settings choose **View details**.

Learn how to effectively use the S3 Storage Classes. **Learn more**

Amazon S3

Account snapshot **View Storage Lens dashboard**
Last updated: Jun 2, 2021 by Storage Lens. Metrics are generated every 24 hours. [Learn more](#)

Total storage	Object count	Avg. object size	You can enable advanced metrics in the "default-account-dashboard" configuration.
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Buckets (4) [Info](#) [Refresh](#) [Copy ARN](#) [Empty](#) [Delete](#) [Create bucket](#)

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Find buckets by name

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pes2ug19cs076	US West (Oregon) us-	Bucket and objects not	January 28, 2022, 14:14:39

Task 2 – Create an AWS Lambda Function

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Lambda > Functions > Create-Thumbnail

Create-Thumbnail


Throttle Copy ARN Actions


✓ The trigger pes2ug19cs076 was successfully added to function Create-Thumbnail. The function is now receiving events from the trigger.

▼ Function overview Info

 S3

+ Add trigger

 Create-Thumbnail

 Layers (0)

+ Add destination

Description

-

Last modified


2 minutes ago

Function ARN


arn:aws:lambda:us-west-2:419981454886:function:Create-Thumbnail


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✓ Successfully updated the function Create-Thumbnail.

 S3

+ Add trigger

 Create-Thumbnail

 Layers (0)

+ Add destination

Description

Create Thumbnail

Last modified

3 seconds ago

Function ARN

arn:aws:lambda:us-west-2:419981454886:function:Create-Thumbnail

General configuration

Triggers

Permissions

Destinations

Environment variables

Tags

VPC

General configuration Info

Edit

Description	Memory	Timeout
Create Thumbnail	128 MB	0 min 3 sec

 **AWS Compute Optimizer**
Opt in to see memory recommendations for your Lambda functions. [View details](#)

Task 3 – Test your function

✓ The test event **ImageUpload** was successfully saved.

✓ Execution result: succeeded (logs) ✕

▼ Details

The area below shows the result returned by your function execution. [Learn more](#) about returning results from your function.

null

Summary

Code SHA-256 hDKiLU+8k2GwuE02YjCSXBeYkrr5auTN90I84Ub5sY4=	Request ID a9f97e31-7e5a-48c2-ab42-819911920a08
Init duration 455.75 ms	Duration 995.61 ms
Billed duration 996 ms	Resources configured 128 MB
Max memory used 68 MB	

Log output

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

```
START RequestId: a9f97e31-7e5a-48c2-ab42-819911920a08 Version: $LATEST
END RequestId: a9f97e31-7e5a-48c2-ab42-819911920a08
REPORT RequestId: a9f97e31-7e5a-48c2-ab42-819911920a08  Duration: 995.61 ms    Billed Duration: 996 ms Memory Size: 128 MB    Max Memory Used: 68 MB    Init
Duration: 455.75 ms
```

Size of image in pes2ug19cs076 bucket

pes2ug19cs076 [Info](#)

Objects Properties Permissions Metrics Management Access Points

Objects (1)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

Copy S3 URI Copy URL Download Open Delete Actions Create folder Upload

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	HappyFace.jpg	jpg	January 28, 2022, 14:19:22 (UTC+05:30)	128.2 KB	Standard

Size of image in pes2ug19cs076-resized bucket

pes2ug19cs076-resized [Info](#)

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Copy S3 URI Copy URL Download Open Delete Actions Create folder Upload

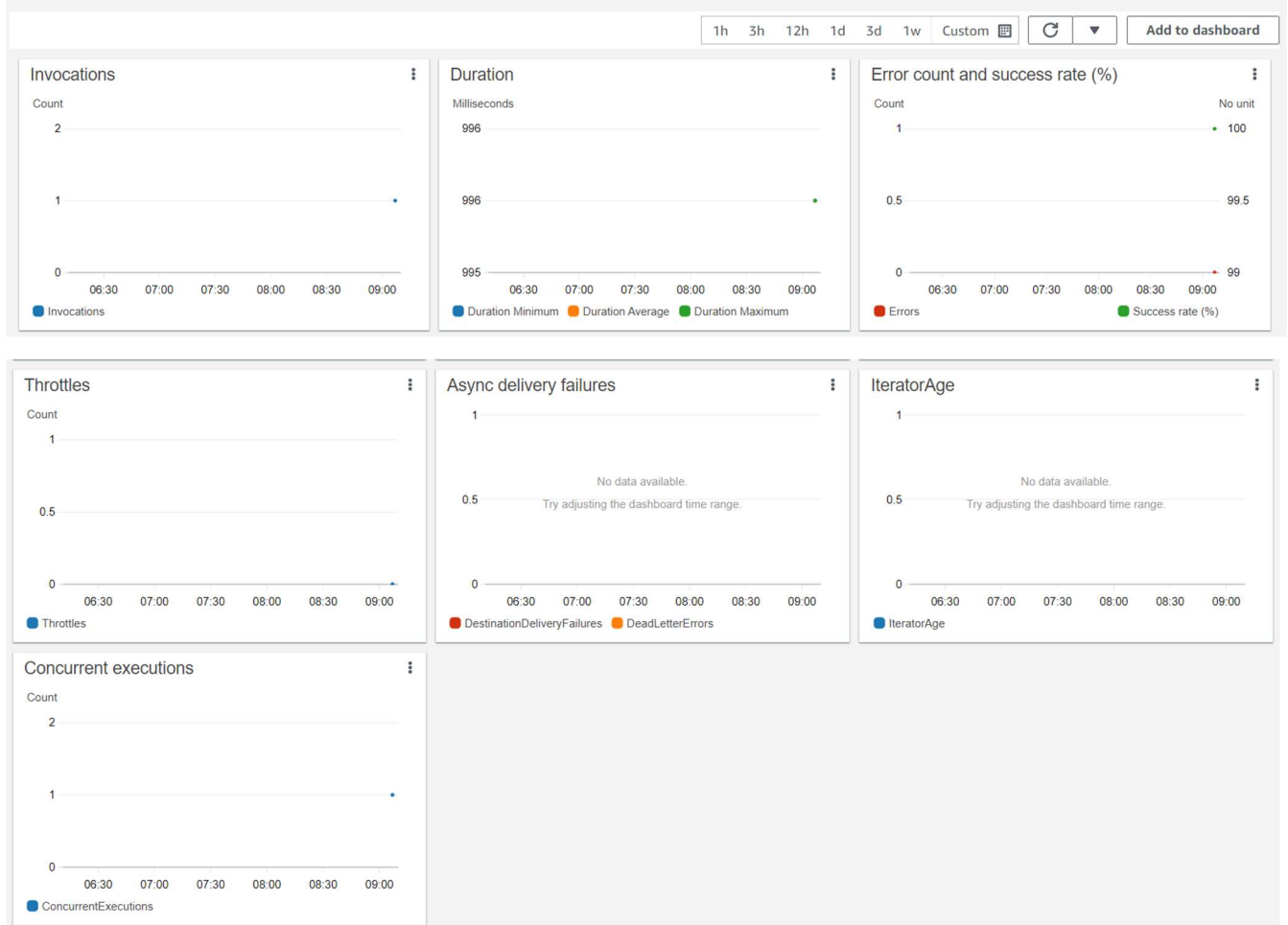
<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	HappyFace.jpg	jpg	January 28, 2022, 14:37:28 (UTC+05:30)	2.6 KB	Standard

Task 4 – Monitoring and Logging

CloudWatch metrics [Info](#)

Filter by **Function** ▼

Lambda sends runtime metrics for your functions to Amazon CloudWatch. The metrics shown are an **aggregate** view of all function runtime activity. To view metrics for the unqualified or \$LATEST resource, choose an option in the dropdown list. To view metrics for a specific function version or alias, choose the qualifier name on the Function details page, and select the Monitoring page.



Cloudwatch log events

CloudWatch > Log groups > /aws/lambda/Create-Thumbnail > 2022/01/28/[\$LATEST]560f44948b914663b44caab6826a091b

Log events

You can use the filter bar below to search for and match terms, phrases, or values in your log events. [Learn more about filter patterns](#)

☐ View as text

▶	Timestamp	Message
		No older events at this moment. Retry
▶	2022-01-28T14:37:26.228+05:30	START RequestId: a9f97e31-7e5a-48c2-ab42-819911920a08 Version: \$LATEST
▶	2022-01-28T14:37:27.227+05:30	END RequestId: a9f97e31-7e5a-48c2-ab42-819911920a08
▶	2022-01-28T14:37:27.227+05:30	REPORT RequestId: a9f97e31-7e5a-48c2-ab42-819911920a08 Duration: 995.61 ms Billed Duration: 996 ms Memory Size: 128 MB Max Me...
		No newer events at this moment. Auto retry paused . Resume