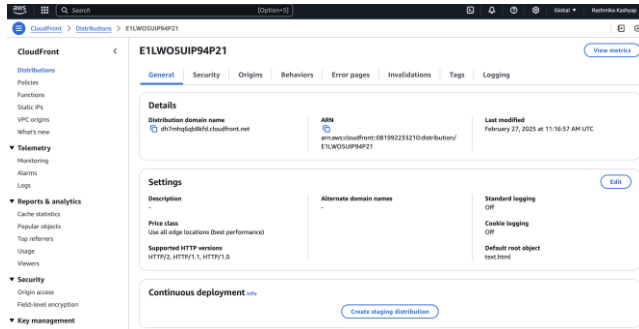


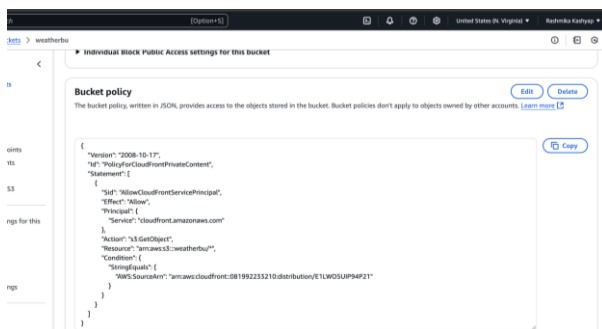
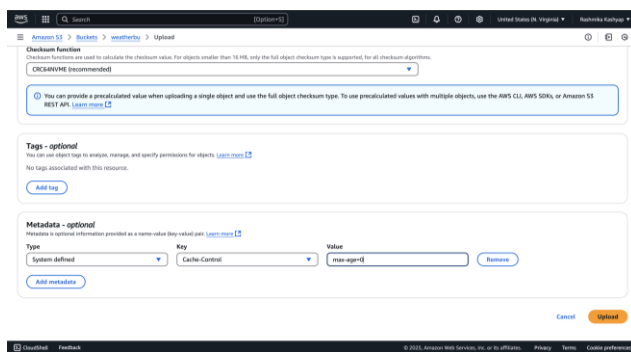
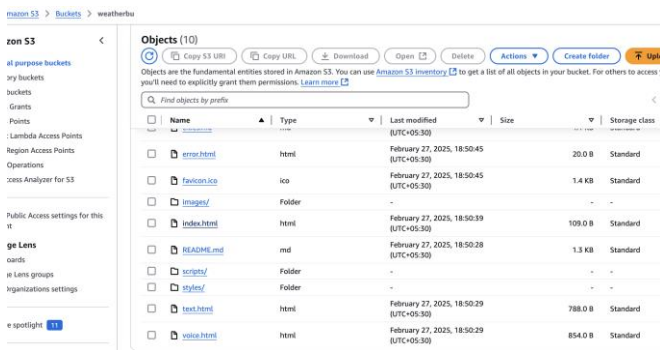
CLOUD LAB ASSIGNMENT 3

RASHMIKA KASHYAP

Creating cloudfront distribution:



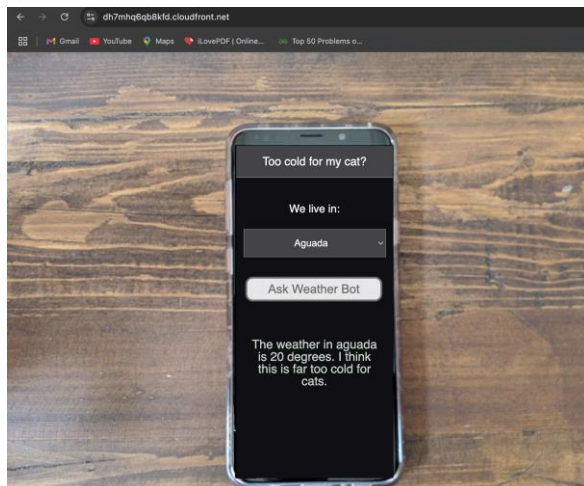
Uploading files to s3 and updating permissions policy:



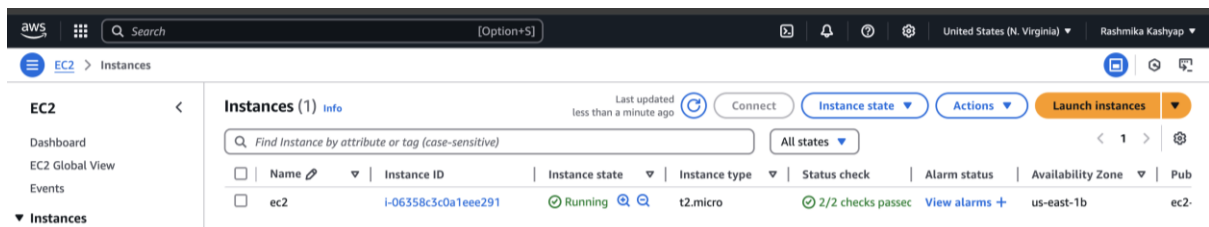
Objects cannot be accessed using url:



Accessing text.html using Cloudfront distribution:



Creating an ec2 , 2 lambda functions and schedules using eventbridge to start and stop the instance:



aws

Search

[Option+S]

United States (N. Virginia)

Rashmika Kashyap

Amazon EventBridge

Schedules

Create schedule

None

Select an Amazon SQS queue in my AWS account as a DLQ

Specify an Amazon SQS queue in other AWS accounts as a DLQ

Encryption

By default, EventBridge Scheduler encrypts event metadata and message data that it stores under an AWS owned key (encryption at rest). EventBridge Scheduler also encrypts data that passes between EventBridge Scheduler and other services using Transport Layer Security (TLS) (encryption in transit).
Your data is encrypted by default with a key that AWS owns and manages for you. To choose a different key, customize your encryption settings.

☐ Customize encryption settings (advanced)

Permissions

Permissions
EventBridge Scheduler requires permission to send events to the target, and based on the preferences you select, integrate with other AWS services such as AWS KMS and Amazon SQS.

Execution role

Create new role for this schedule

Use existing role

Role name

This is the role name we will be creating on your behalf. You can change the name.

Amazon_EventBridge_Scheduler_LAMBDA_2d595b2ee7

Go to IAM console

Cancel

Previous

Next

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Rashmika Kashyap

Amazon EventBridge

Schedules

StartEC2Scheduler

Disable

Edit

Delete

Amazon EventBridge

Dashboard

Developer resources

Event buses

Pipes

Scheduler

Integration

Schedule detail

Schedule name

StartEC2Scheduler

Description

Schedule group name

default

Status

Enabled

Schedule ARN

arn:aws:scheduler:us-east-1:06358c3c0a1eee291:schedule/default/StartEC2Scheduler

Action after completion

NONE

Schedule start time

Schedule end time

Execution time zone

Asia/Calcutta

Flexible time window

Created date

Last modified date

5 minutes

Feb 27, 2025, 19:22:58 (UTC+05:30)

Feb 27, 2025, 19:22:58 (UTC+05:30)

Schedule

Target

Retry policy

Dead-letter queue

Encryption

Schedule

One time schedule

Your schedule is set for Thu, Feb 27, 2025, 19:25:00 (UTC+05:30).

CloudShell Feedback

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EC2

Instances

Instances (1)

Info

Last updated less than a minute ago

Connect

Instance state

Actions

Launch instances

Find Instance by attribute or tag (case-sensitive)

All states

<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Pub
<input type="checkbox"/>	ec2	i-06358c3c0a1eee291	Running	t2.micro	2/2 checks passed	View alarms	us-east-1b	ec2-

Lambda

Functions

startEC2

The test event t1 was successfully saved.

EXPLORER

STARTEC2

lambda_function.py

DEPLOY

Deploy

Test

lambda_function.py

1 import boto3

2

3 def lambda_handler(event, context):

4 ec2 = boto3.client('ec2')

5 instance_id = 'i-06358c3c0a1eee291'

6 ec2.start_instances(InstanceIds=[instance_id])

7 return f"Started instance: {instance_id}"

8

aws

Search

[Option+S]

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Rashmika Kashyap

Lambda > Functions > stopEC2

Code source Info

Upload from

EXPLORER

STOPEC2

lambda_function.py

DEPLOY

Deploy (U)

Test (i)

lambda_function.py

1 import boto3

2

3 def lambda_handler(event, context):

4 ec2 = boto3.client('ec2')

5 instance_id = 'i-06358c3c0a1eee291'

6 ec2.stop_instances(InstanceIds=[instance_id])

7 return f"Stopped instance: {instance_id}"

8

aws

Search

[Option+S]

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Rashmika Kashyap

EC2 > Instances

Instances (1) Info

Last updated less than a minute ago

Connect

Instance state

Actions

Launch instances

Find Instance by attribute or tag (case-sensitive)

All states

1

ec2

i-06358c3c0a1eee291

Stopped

t2.micro

-

View alarms +

us-east-1b

-

aws

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[Option+S]

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Rashmika Kashyap

Amazon EventBridge > Schedules > Create schedule

StartAssessmentRun

PutRecord

PutRecord

Invoke

Amazon SNS Publish

Amazon SQS SendMessage

SageMaker StartPipelineExecution

AWS Step Functions StartExecution

Invoke

AWS Lambda

Lambda function

stopEC2

Create new Lambda function

Configure version/alias

Universal target definition

aws

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United States (N. Virginia)

Rashmika Kashyap

Amazon EventBridge > Schedules > Create schedule

Description - optional

Enter description

Maximum of 512 characters.

Schedule group

Each schedule needs to be placed in a schedule group. By default, a schedule is placed in the 'Default' group. You can also create your own schedule group. You can only add tags to a schedule group, not a schedule.

default

Schedule pattern

Occurrence Info

You can define an one-time or recurrent schedule.

One-time schedule

Recurring schedule

Date and time

The date and time to invoke the target.

2025/02/27

19:40

(UTC+05:30) Asia/Calcutta

Flexible time window

If you choose a flexible time window, Scheduler invokes your schedule within the time window you specify. For example, if you choose 15 minutes, your schedule runs within 15 minutes after the schedule start time.

5 minutes

Cancel

Next

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[Option+S]

United States (N. Virginia)

Rashmika Kashyap

CloudWatch

Log groups

/aws/lambda/startEC2

2025/02/27/[\$LATEST]f9eab510a23947058010d9eb5e7abd9e

CloudWatch

Favorites and recents

Dashboards

AI Operations

Alarms

Logs

Log groups

Log Anomalies

Live Tail

Logs Insights

Contributor Insights

Metrics

All metrics

Explorer

Streams

X-Ray traces

Events

Application Signals

Network Monitoring

Timestamp

Message

No older events at this moment.

2025-02-27T13:55:58.054Z

INIT_START Runtime Version: python:3.13.v13 Runtime Version ARN: arn:aws:lambda:us-east-1::runtime:b881cbc9a10a8b...

2025-02-27T13:55:58.357Z

START RequestId: 9e8b7774-074b-4a1c-bf30-c9547d352e2e Version: \$LATEST

2025-02-27T13:56:01.464Z

END RequestId: 9e8b7774-074b-4a1c-bf30-c9547d352e2e

2025-02-27T13:56:01.464Z

REPORT RequestId: 9e8b7774-074b-4a1c-bf30-c9547d352e2e Duration: 3000.00 ms Billed Duration: 3000 ms Memory Size:...

2025-02-27T13:57:08.574Z

START RequestId: d4da4b81-215c-42cf-bd69-fcf6760b08d6 Version: \$LATEST

2025-02-27T13:57:11.623Z

END RequestId: d4da4b81-215c-42cf-bd69-fcf6760b08d6

2025-02-27T13:57:11.623Z

REPORT RequestId: d4da4b81-215c-42cf-bd69-fcf6760b08d6 Duration: 3000.00 ms Billed Duration: 3000 ms Memory Size:...

2025-02-27T13:58:15.395Z

START RequestId: 5567c06e-b402-43e3-8ea7-dc32b7a51b73 Version: \$LATEST

2025-02-27T13:58:18.446Z

END RequestId: 5567c06e-b402-43e3-8ea7-dc32b7a51b73

2025-02-27T13:58:18.446Z

REPORT RequestId: 5567c06e-b402-43e3-8ea7-dc32b7a51b73 Duration: 3000.00 ms Billed Duration: 3000 ms Memory Size:...

2025-02-27T13:59:19.855Z

START RequestId: 5567c06e-b402-43e3-8ea7-dc32b7a51b73 Version: \$LATEST

2025-02-27T13:59:22.885Z

END RequestId: 5567c06e-b402-43e3-8ea7-dc32b7a51b73

2025-02-27T13:59:22.885Z

REPORT RequestId: 5567c06e-b402-43e3-8ea7-dc32b7a51b73 Duration: 3000.00 ms Billed Duration: 3000 ms Memory Size:...

2025-02-27T14:01:35.315Z

START RequestId: 5567c06e-b402-43e3-8ea7-dc32b7a51b73 Version: \$LATEST

2025-02-27T14:01:38.345Z

END RequestId: 5567c06e-b402-43e3-8ea7-dc32b7a51b73

2025-02-27T14:01:38.345Z

REPORT RequestId: 5567c06e-b402-43e3-8ea7-dc32b7a51b73 Duration: 3000.00 ms Billed Duration: 3000 ms Memory Size:...

C Loading newer events

CloudShell

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