

**A Practical Activity Report For
Cloud Computing**

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Experiment 10

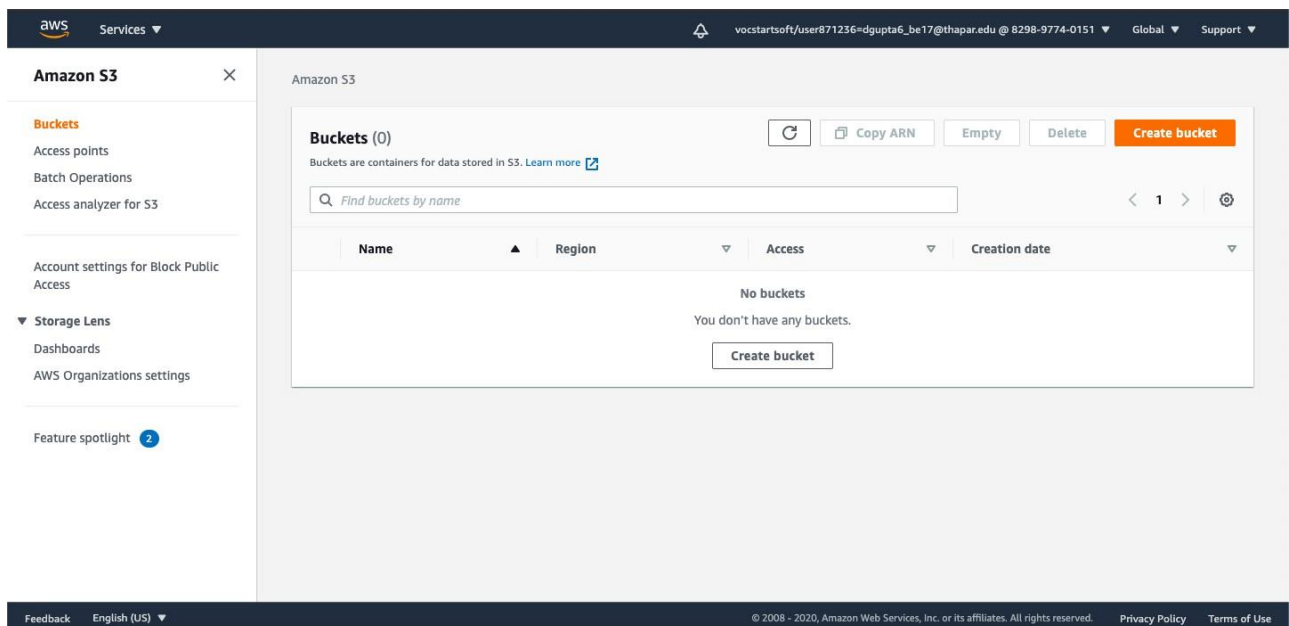
Aim: To Create CloudFront Distribution using Amazon S3.

Introduction: Amazon CloudFront is a web service that speeds up distribution of your static and dynamic web content, such as .html, .css, .js, and image files, to your users. CloudFront delivers your content through a worldwide network of data centres called edge locations. When a user requests content that you're serving with CloudFront, the user is routed to the edge location that provides the lowest latency (time delay), so that content is delivered with the best possible performance.

- If the content is already in the edge location with the lowest latency, CloudFront delivers it immediately.
- If the content is not in that edge location, CloudFront retrieves it from an origin that you've defined—such as an Amazon S3 bucket, a Media Package channel, or an HTTP server (for example, a web server) that you have identified as the source for the definitive version of your content.

STEPS TO CREATE CLOUDFRONT DISTRIBUTION

1 Go to S3 services and CREATE Bucket.



2 Provide the Bucket Name and uncheck the **Block all Public Access** and check the **Acknowledgement** box.

The screenshot shows the AWS S3 console interface. The top navigation bar includes the AWS logo, 'Services' dropdown, a user profile icon, and user information: 'vocstartsoft/user871236=dgupta6_be17@thapar.edu @ 8298-9774-0151'. The main content area is divided into two sections. The first section, 'General configuration', contains a 'Bucket name' input field with 'riri1' entered, a note that the name must be unique and not contain spaces or uppercase letters, a 'Region' dropdown menu set to 'US East (N. Virginia) us-east-1', and a 'Copy settings from existing bucket - optional' section with a 'Choose bucket' button. The second section, 'Bucket settings for Block Public Access', explains that public access is granted through ACLs, bucket policies, or all. It contains a checkbox for 'Block all public access' which is currently unchecked. Below it, there is a sub-section for 'Block public access to buckets and objects granted through new access control lists (ACLs)' which is also unchecked. The bottom of the console shows a footer with 'Feedback', 'English (US)', and copyright information for 2008-2020 Amazon Web Services, Inc.



Turning off block all public access might result in this bucket and the objects within becoming public
AWS recommends that you turn on block all public access, unless public access is required for specific and verified use cases such as static website hosting.

☒ I acknowledge that the current settings might result in this bucket and the objects within becoming public.

3 Upload the Image by clicking on the Upload button.

The screenshot shows the 'Objects (0)' page in the AWS S3 console. It includes a description of objects and a link to 'Learn more'. Below the description is a toolbar with buttons for 'Refresh', 'Delete', 'Actions' (with a dropdown arrow), 'Create folder', and 'Upload' (in orange). A search bar with the placeholder 'Find objects by prefix' is also present. Below the toolbar is a table header with columns: 'Name', 'Type', 'Last modified', 'Size', and 'Storage class'. The table body is empty, displaying the message 'No objects' and 'You don't have any objects in this bucket.' at the bottom, with an 'Upload' button.

4 Now we have created our object using S3, now go to CloudFront and click on CREATE DISTRIBUTION.

awsServices

vocstartsoft/user871236=dgupta6_be17@thapar.edu @ 8298-9774-0151GlobalSupport

CloudFront

Distributions

Policies

What's new

Telemetry

Monitoring

Alarms

LogsNEW

How to accelerate your dynamic content with Amazon EC2 as an origin. [Learn more](#)

Amazon CloudFront - Get started

Either your search returned no results, or you do not have any distributions. Click the button below to create a new CloudFront distribution. A distribution allows you to distribute content using a worldwide network of edge locations that provide low latency and high data transfer speeds ([learn more](#))

Create Distribution

5 We will be creating the CloudFront using the WEB.

awsServices

vocstartsoft/user871236=dgupta6_be17@thapar.edu @ 8298-9774-0151GlobalSupport

Step 1: Select delivery method

Step 2: Create distribution

Select a delivery method for your content.

Web

Create a web distribution if you want to:

- Speed up distribution of static and dynamic content, for example, .html, .css, .php, and graphics files.
- Distribute media files using HTTP or HTTPS.
- Add, update, or delete objects, and submit data from web forms.
- Use live streaming to stream an event in real time.

You store your files in an origin - either an Amazon S3 bucket or a web server. After you create the distribution, you can add more origins to the distribution.

Get Started

RTMP

CloudFront is discontinuing support for RTMP distributions on December 31, 2020. For more information, please [read the announcement](#).

6 We will give Domain name that we have created earlier using S3 service.

Step 1: Select delivery method

Step 2: Create distribution

Create Distribution

Origin Settings

Origin Domain Name

Origin Path

Origin ID

Origin Custom Headers

— Amazon S3 Buckets —

riri1.s3.amazonaws.com

— Elastic Load Balancers —

open-web-1228897288.us-east-1.elb.amazonaws.com

— MediaPackage Origins —

No Accessible Origins

— MediaStore Containers —

Failed to List your origins

Value

7 Create txt file and write the html content in it and instead of Domain name give the name Domain name that you have get after creating the CloudFront.

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Reports & analytics

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CloudFront Distributions

Create Distribution

Distribution Settings

Delete

Enable

Disable

Viewing: Any Delivery Method Any State

	Delivery Method	ID	Domain Name	Comment	Origin	CNAMEs	Status	State	Last Modified
<input type="checkbox"/>	Web	E18TL58OENE91J	dj77cpbcqv2pq.ck	-	riri1.s3.amz	-	Deployed	Enabled	2020-11-19 12:28

Viewing 1 to 1 of 1 Items

```
CF.txt
<html>
<head>My CloudFront Test</head>
<body>
<p>THIS IS MY CLOUDFRONT TEST PAGE.</p>
<p></p>
</body>
</html>
```

Results:

