

Lab Assignment-09

CloudFront with S3 Bucket Origin

In this lab, we will host a static web content in an Amazon S3 bucket, protected and accelerated by Amazon CloudFront.

Task-1: Create S3 bucket.

The screenshot shows the AWS Management Console interface. A green notification banner at the top states: "Successfully created bucket 'static-cf-s3'. To upload files and folders, or to configure additional bucket settings choose [View details](#)." The left sidebar shows the navigation menu with 'Buckets' selected. The main content area displays the 'Buckets (2)' section. It includes a search bar and a table of buckets.

	Name	AWS Region	Access	Creation date
<input type="radio"/>	cf-templates-6diwj0pcl7a-ap-south-1	Asia Pacific (Mumbai) ap-south-1	Objects can be public	April 7, 2021, 17:18:14 (UTC+05:30)
<input type="radio"/>	static-cf-s3	Asia Pacific (Mumbai) ap-south-1	Bucket and objects not public	April 19, 2021, 22:37:05 (UTC+05:30)

Task-2: Upload html file of the static webpage.

Code for the website:

```
index.html - Notepad
File Edit Format View Help
<!DOCTYPE html>
<html>
  <head>
    <title> Static Web Site </title>
  </head>
  <body bgcolor = "yellow">
    <center><h1> M Vineeth Lab Assignment 9 </h1></center>
    <center><h1> Using CloudFront and S3 static website hosting </h1></center>
  </body>
</html>
```

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Upload succeeded
View details below.

Destination	Succeeded	Failed
s3://static-cf-s3	1 file, 253.0 B (100.00%)	0 files, 0 B (0%)

Files and folders | Configuration

Files and folders (1 Total, 253.0 B)

< 1 >

Name	Folder	Type	Size	Status	Error
index.html	-	text/html	253.0 B	Succeeded	-

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Task-3: Configure Amazon CloudFront

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Step 1: Select delivery method
Step 2: **Create distribution**

Create Distribution

Origin Settings

Origin Domain Name: static-cf-s3.s3.amazonaws.com ⓘ

Origin Path: ⓘ

Enable Origin Shield: ☐ Yes ☒ No ⓘ

Origin ID: S3-static-cf-s3 ⓘ

Restrict Bucket Access: ☒ Yes ☐ No ⓘ

Origin Access Identity: ☒ Create a New Identity ☐ Use an Existing Identity ⓘ

Comment: access-identity-static-website ⓘ

Grant Read Permissions on Bucket: ☒ Yes, Update Bucket Policy ☐ No, I Will Update Permissions ⓘ

Origin Connection Attempts: 3 ⓘ

Origin Connection Timeout: 10 ⓘ

Origin Custom Headers

Header Name	Value
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Step 1: Select delivery method
Step 2: Create distribution

Learn more about using custom SSL/TLS certificates with CloudFront.
Learn more about using ACM.

Supported HTTP Versions
☒ HTTP/2, HTTP/1.1, HTTP/1.0
☐ HTTP/1.1, HTTP/1.0

Default Root Object

Standard Logging
☐ On
☒ Off

S3 Bucket for Logs

Log Prefix

Cookie Logging
☐ On
☒ Off

Enable IPv6
☒
[Learn more](#)

Comment

Distribution State
☒ Enabled
☐ Disabled

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CloudFront

Distributions
Policies
What's new

Telemetry
Monitoring
Alarms
Logs

Reports & analytics
Cache statistics
Popular objects
Top referrers
Usage
Viewers

Security
Origin access identity

Use CloudFront to serve a static website hosted on Amazon Simple Storage Service.

Important: On March 23, 2021, CloudFront will begin migrating the Certificate Authority for the *.cloudfront.net certificate. For more information, refer to the [AWS Knowledge Center](#).

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
Web	E2N2Q7F5DN697E	drj3uvvcxja5o.clo	-	static-cf-s3	-	In Progn	Enabled	2021-04-19 22:46

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Task-4: Access the static website using the CloudFront Domain Name.

