
AWS Lab 30

Cloudfront

Overview of the lab

In this lab you will learn how to enable cloudfront distribution for s3 origin

Cloudfront

It is an aws service used to securely deliver content with low latency and high transfer speed

Origin

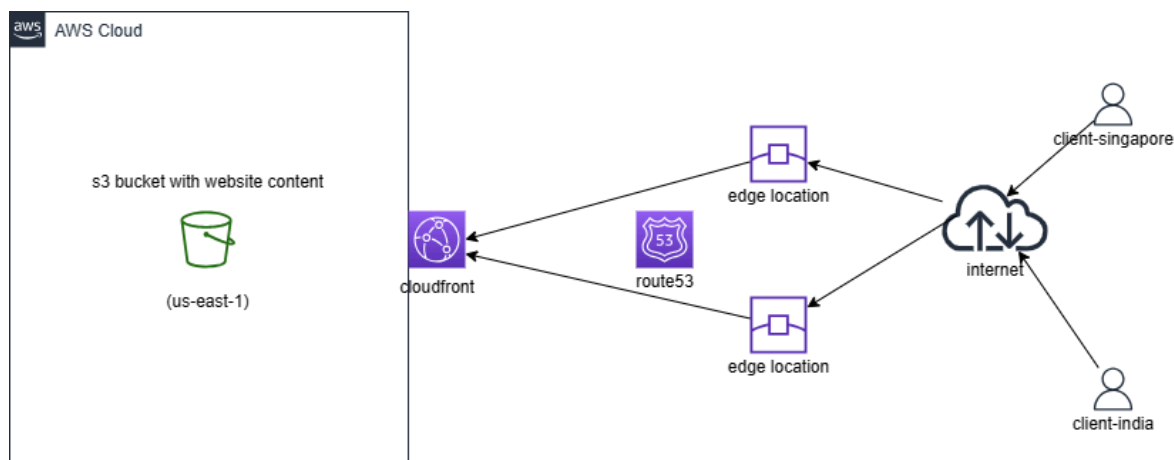
It is the original location of data

eg: within s3

Distribution

The data will be cached in different parts of the globe within aws managed datacenter called edge location

Architecture



Step by Step Lab

Create a S3 bucket with website content

1. In S3 click on [create bucket](#)
 - a. Bucket name - [jamesbond007](#) (should be unique name)
 - b. AWS region - [us-east-1](#)
2. Click on [create bucket](#)

Upload sample website code

3. Click on the [bucket name](#)
 4. Click on [Upload](#) and click on [Add files](#)
 5. Select the files from your local laptop and click on [Upload](#)
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Create a Cloudfront Distribution

6. In CloudFront - Click on [Create a CloudFront distribution](#)
7. Origin domain - [select s3 bucket \(domain name\)](#)
8. Origin access
 - a. Select [Origin access control settings \(recommended\)](#)
 - b. Click on [Create new OAC](#) and Click on [Create](#)
9. Web Application Firewall
 - a. [Do not enable security protections](#)
10. Default root object - [index.html](#)
11. Click on [Create distribution](#)
12. Copy the [policy](#) from the top

Update Bucket Policy

13. In S3 [Select the bucket](#)
14. Click on [permissions](#) - Click on [Edit bucket policy](#) and paste the earlier copied policy
15. Click on [Save changes](#)

(now with cloudfront distribution domain name you will be able to access website)

Clean Up Step

1. Select the cloudfront distribution and **Disable** and after few minutes **delete**
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2. **Empty** the s3 bucket and **delete** the bucket