

MSDS 7346

Cloud Computing

Mini Project 3 – CloudFront w/S3

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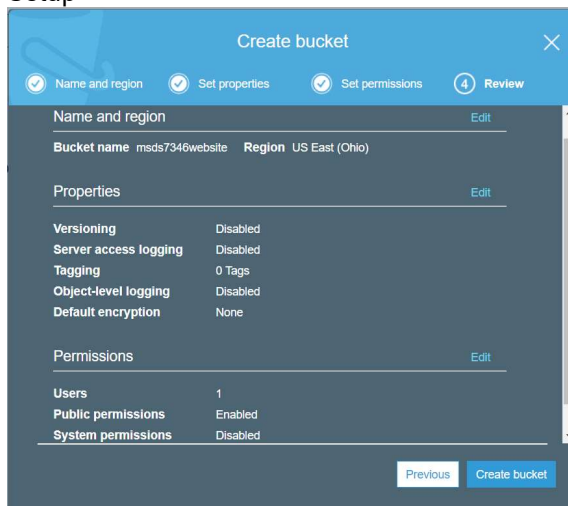
Abstract: 'CloudFront' is a web service that Amazon provide that reduces a latency to deliver web contents by caching the web contents at multiple data centers, edge locations. This project will show how to store .html file on AWS S3 and use the CloudFront service.

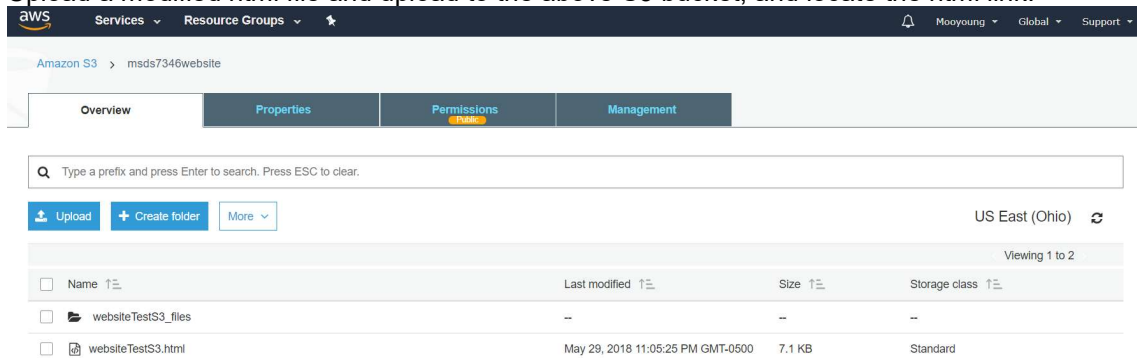
Question 1 : Host a static website on AWS S3

I have provided a static website as part the mini project. Upload the website to AWS S3 bucket as we did in the class. Change the title of the website to Make the website public. Make sure it is accessible from outside.

Submission: Submit screenshots of **S3 bucket**, and the **website**.

A. Setup



B. Upload a modified html file and upload to the above S3 bucket, and locate the html link.

aws Services Resource Groups

Amazon S3 > msds7346website

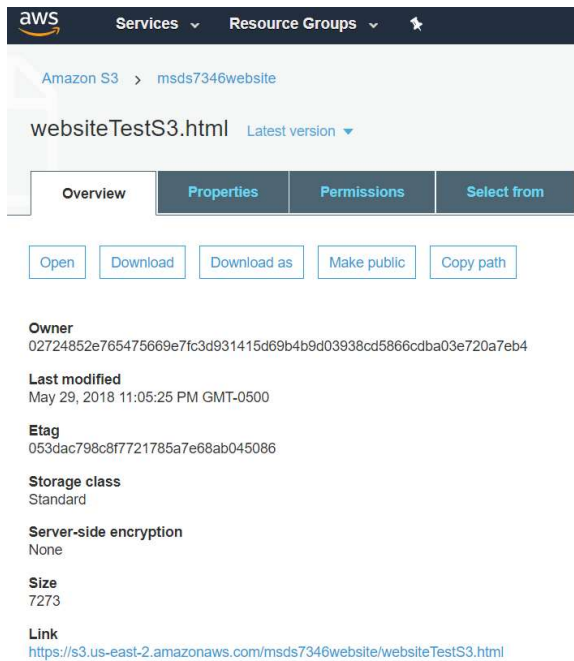
Overview Properties Permissions Management

Search: Type a prefix and press Enter to search. Press ESC to clear.

Upload Create folder More

US East (Ohio)

Name	Last modified	Size	Storage class
websiteTestS3_files	--	--	--
websiteTestS3.html	May 29, 2018 11:05:25 PM GMT-0500	7.1 KB	Standard



aws Services Resource Groups

Amazon S3 > msds7346website

websiteTestS3.html Latest version

Overview Properties Permissions Select from

Open Download Download as Make public Copy path

Owner
02724852e765475669e7fc3d931415d69b4b9d03938cd5866cdba03e720a7eb4

Last modified
May 29, 2018 11:05:25 PM GMT-0500

Etag
053dac798c8f7721785a7e68ab045086

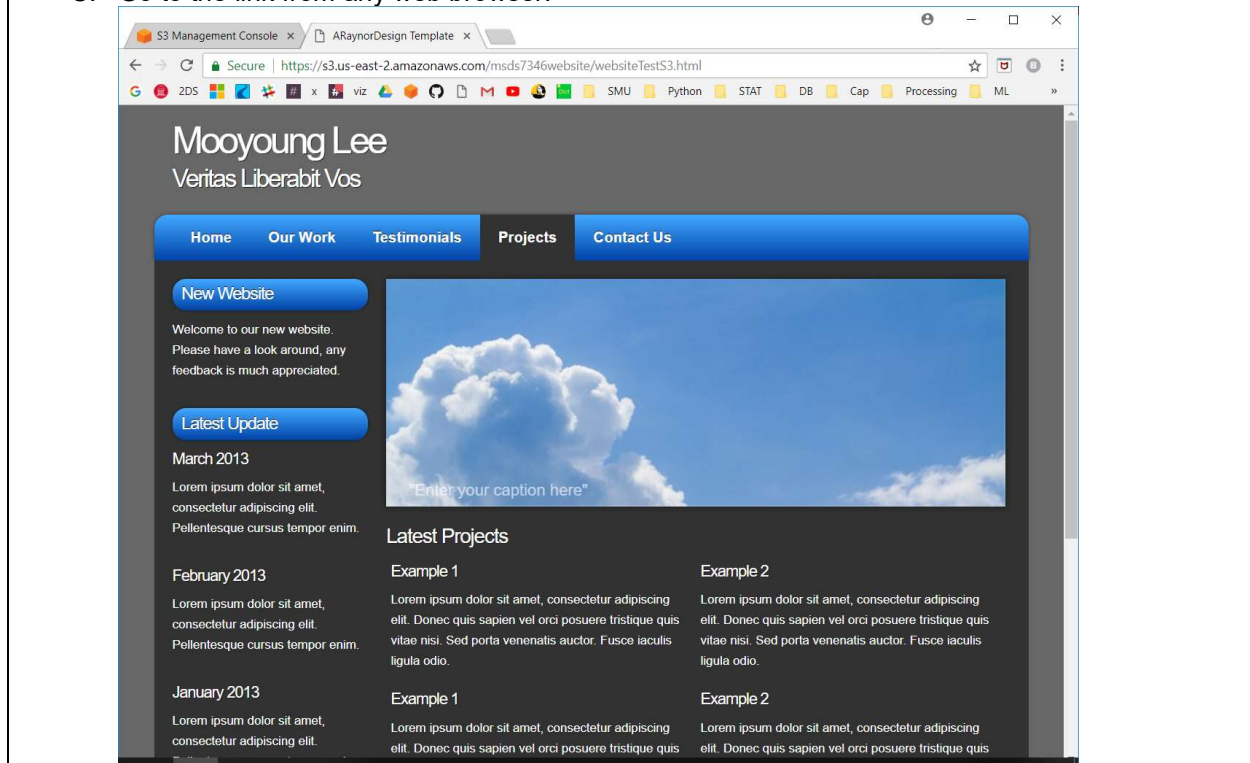
Storage class
Standard

Server-side encryption
None

Size
7273

Link
<https://s3.us-east-2.amazonaws.com/msds7346website/websiteTestS3.html>

C. Go to the link from any web browser.

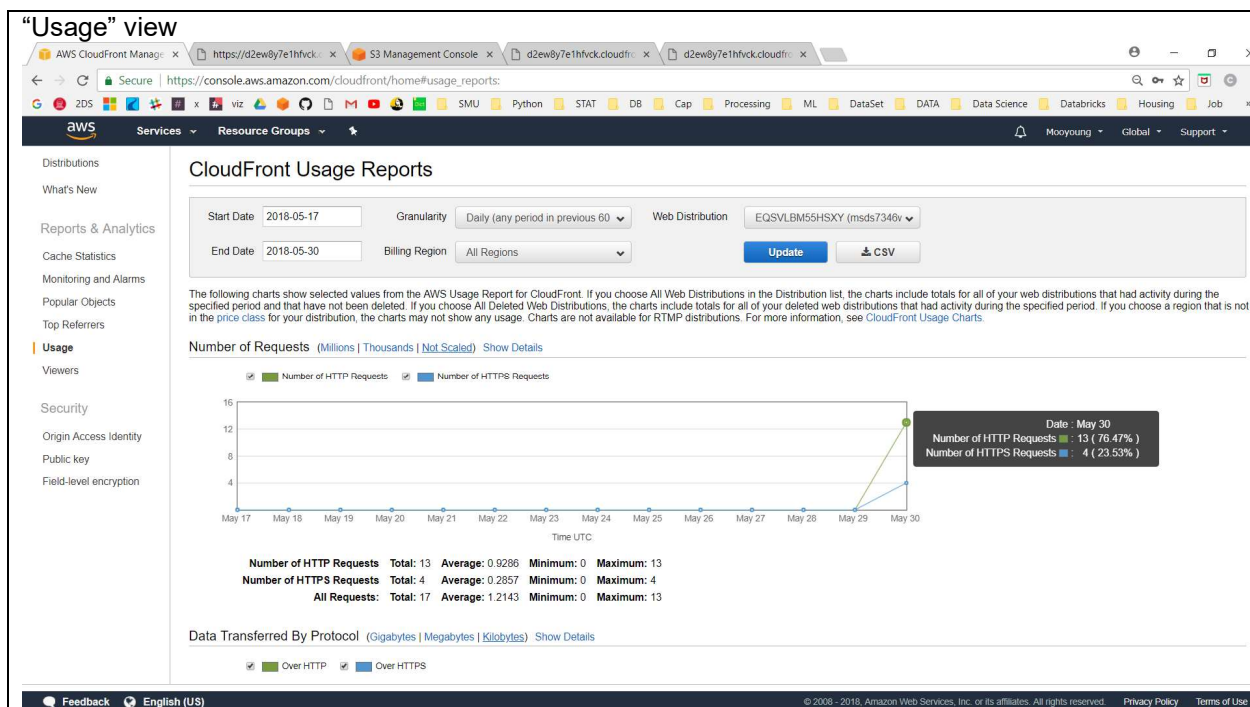


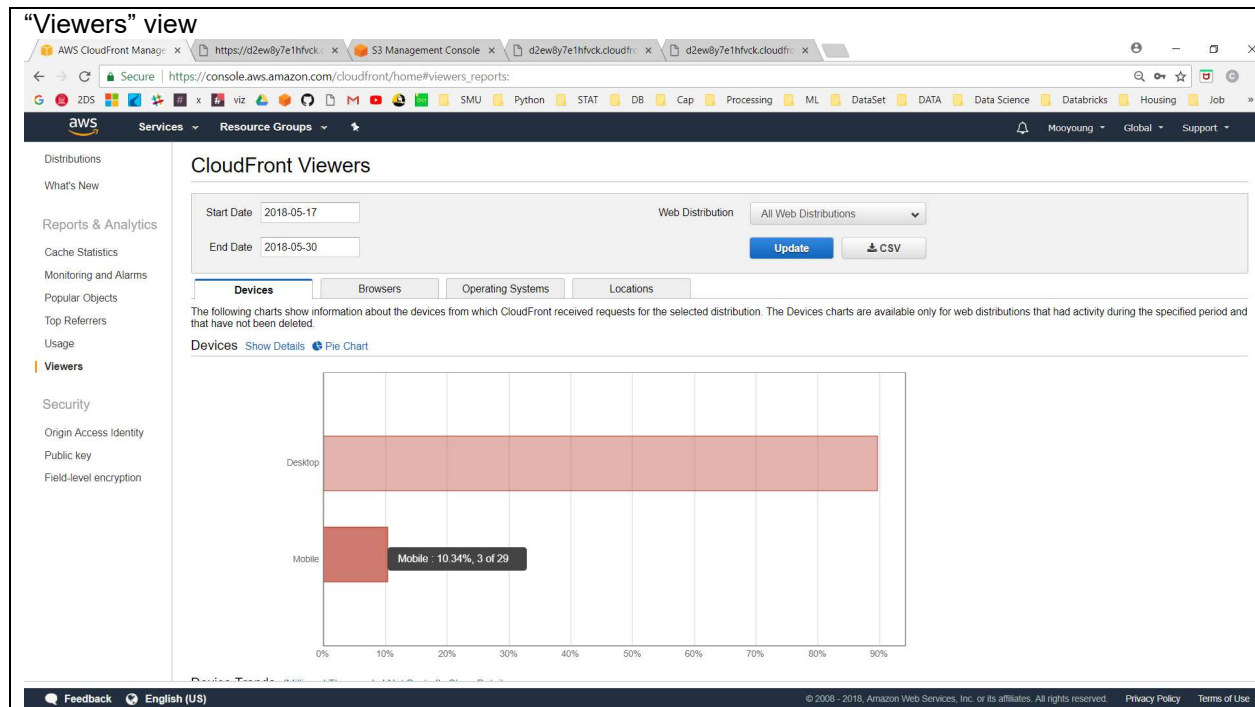
Question 2 : Distribute content using AWS CloudFront – CDN

In this problem you will take the static website developed in the previous question and distribute it to the edge network using AWS CloudFront. CloudFront is available in the "Network & Content delivery" section of AWS Services. This enables you to push the content closer to the user using edge network provided by AWS. You are expected to experiment with CloudFront and distribute your static website. Since you are distributing a static website, you will use HTTP/HTTPS to deliver the content. You can use all edge locations or only US and Europe, for the purposes of this exercise it is not critical which locations you use.

Once the website is deployed access it using couple of different browsers and a mobile device. In the CloudFront, look under "Report & Analytics" and check "Usage" and "Viewers".

Submission: Submit screenshots of the "Usage" and "Viewers" under CloudFront.





Collaborator: None.

Reference:

Amazon Documentation

<https://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/Introduction.html>