MSDS 7346
Cloud Computing
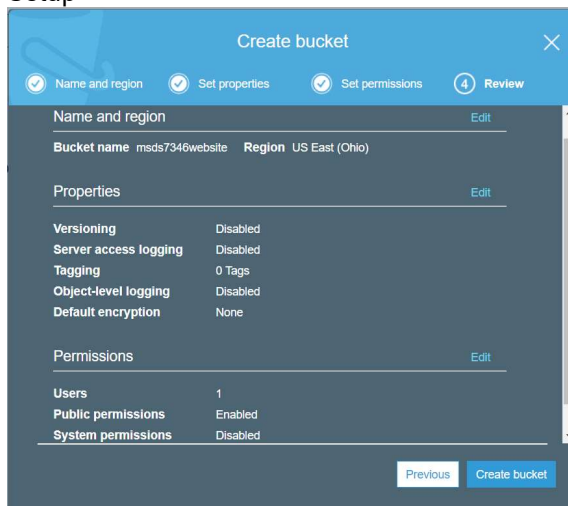# Mini Project 3 – CloudFront w/S3

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Abstract: 'CloudFront' is a web service that Amazon provide that reduces a latency to deliver web contents by cashing 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.
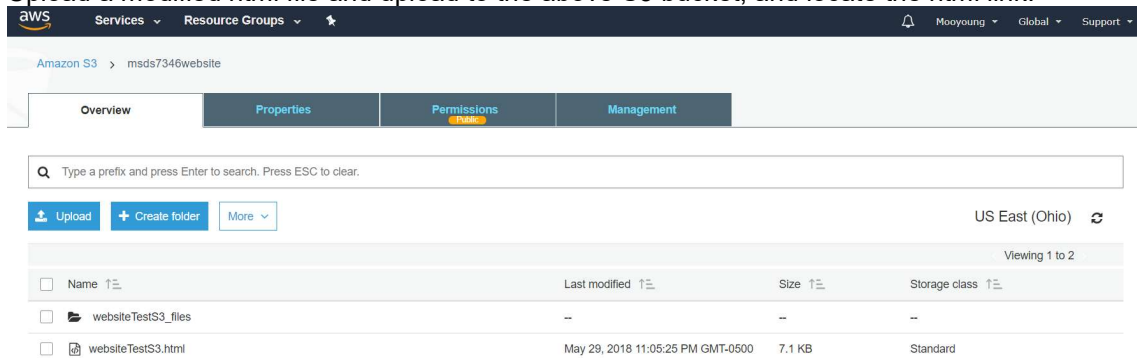
Question 1 : Host a static website on AWS S3

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.

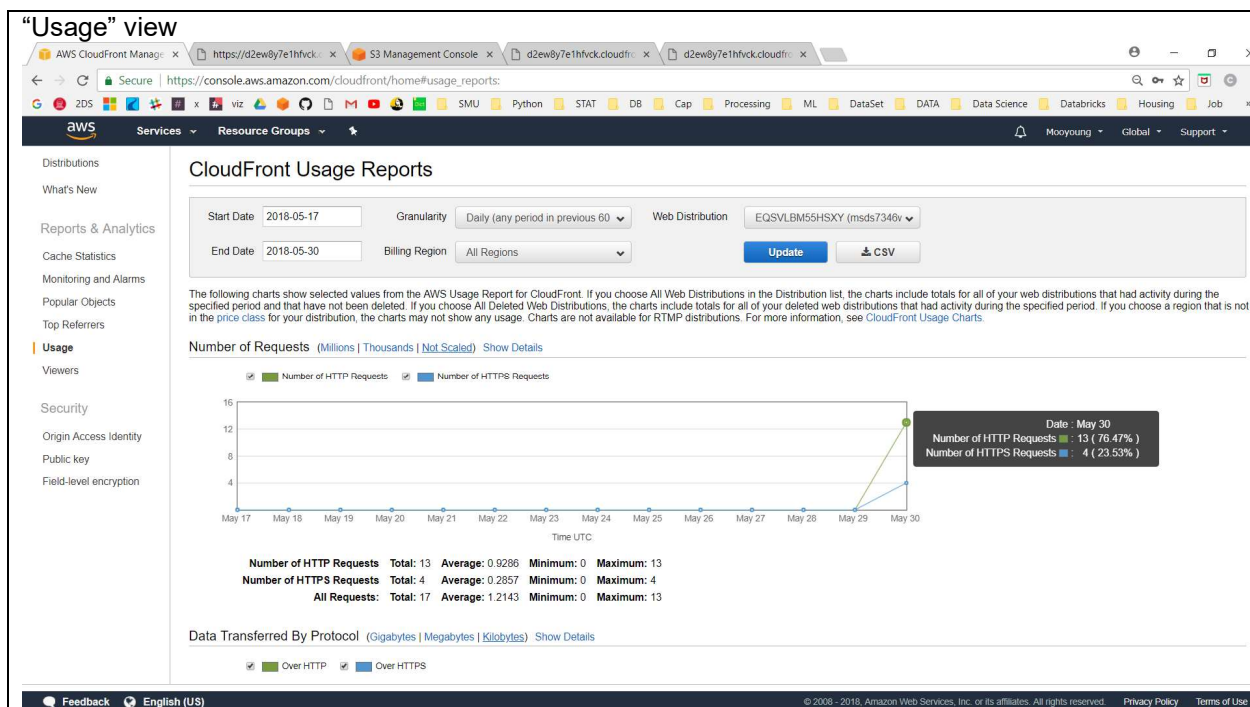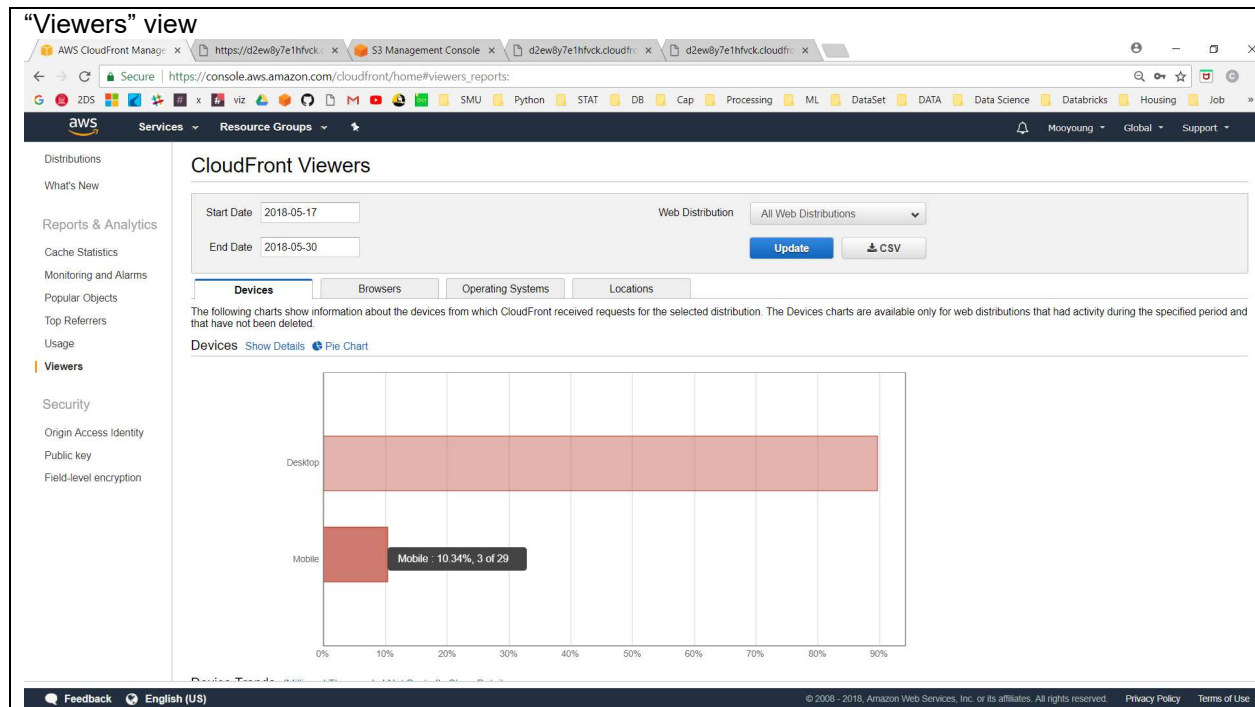C. Go to the link from any web browser.
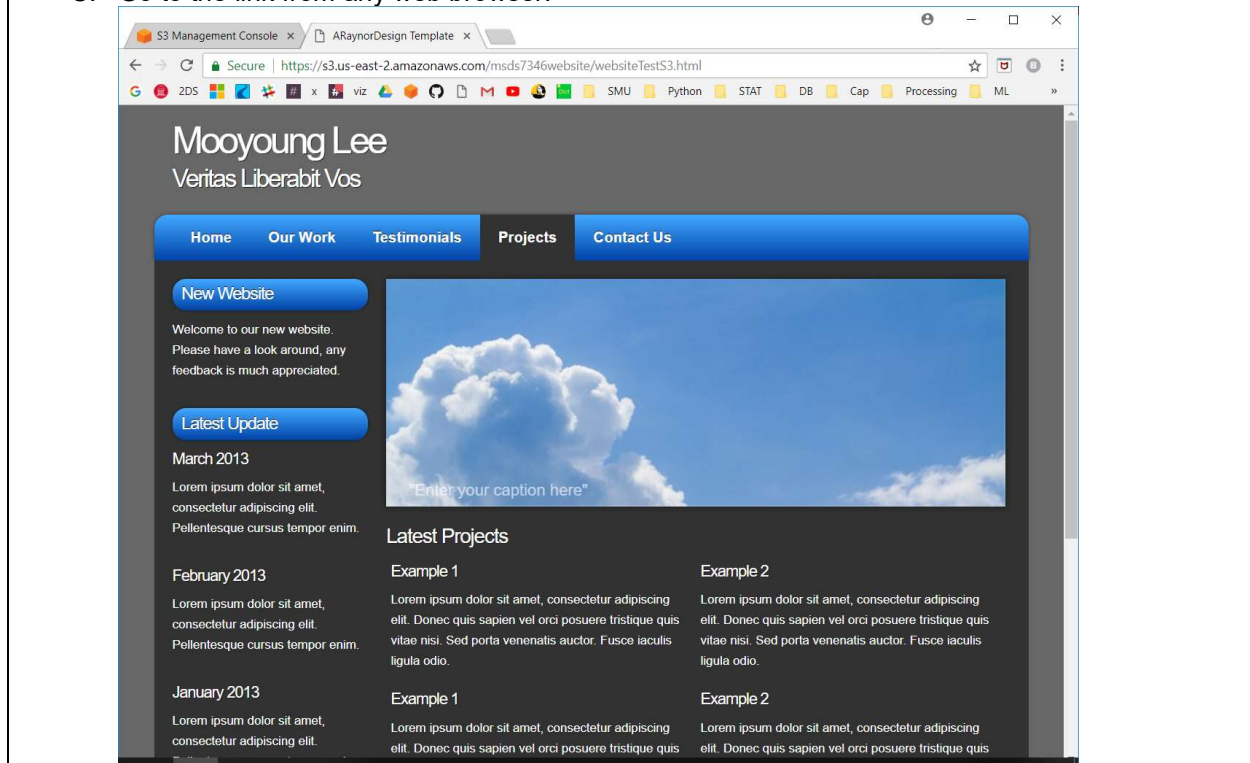
Question 2 : Distribute content using AWS CloudFront – CDN

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.

"Viewers" view

Collaborator: None.

Reference:

Amazon Documentation
https://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/Introduction.html