

Section 4 Lab Instructions

1. Direct Storage Hosting Pattern- Setting up a static website in S3

Implementation

- Upload, onto Amazon Simple Storage Service (S3) Internet storage, the static content to be published (HTML, CSS, JavaScript, images, video, or the like).
- Set up the S3 bucket to publish the content. Set up the bucket policies to permit public access of the content of the bucket.
- Turn on the website hosting function of S3 and set up an index page and an error page, to host the website on S3 alone.

Instructions:

<http://docs.aws.amazon.com/AmazonS3/latest/dev/HostingWebsiteOnS3Setup.html>

2. Content Delivery Networks Pattern- Setting up Cloudfront CDN

Implementation

You can use CloudFront in AWS to use cache servers ("edge servers") throughout the world.

- Determine the origin server that is to be the delivery origin for the content, and place the content there.
- Setup CloudFront to use a master server. When performing the setup, a Domain Name System (DNS) name of "xxxx.cloudfront.net" (where the xxxx portion is generated at random) will be issued.
- You may use the DNS name that is issued automatically, or you may use an independent domain name. At this time, set the CloudFront DNS name that has been issued in the CNAME record for the DNS name of the origin server.

Instructions:

- [Step 1: Sign up for Amazon Web Services](#)
- [Step 2: Upload your content to Amazon S3 and grant object permissions](#)
- [Step 3: Create a CloudFront Web Distribution](#)
- [Step 4: Test your links](#)