**Sign in to AWS Management Console:**

1. Click Open Console under AWS Management Console.
2. Sign in to the console with these credentials:
   1. In the User Name box, type <<username>>
   2. In the Password box, paste the <<password>>
3. Click Sign In.

Storing a publicly accessible image file in an Amazon S3 bucket

First we will store the file that you wish to distribute using Amazon CloudFront in a publicly accessible location. For this lab, we will store an image file in a publically accessible Amazon S3 bucket.

1. In the AWS Management Console homepage, click S3 to open the Amazon S3 console.
2. In the Amazon S3 console, click Create Bucket
3. In the Create a Bucket dialog box, enter a bucket name, such as “mytestbucket”.
4. Leave the Region set to “Select a Region”.
5. Click Create.

*Note:*

*If you receive an error saying that your bucket name is not available, try a different bucket name (i.e. mytestbucket123). For your bucket to work with CloudFront, the name must conform to DNS naming requirements. For more information, go to Bucket Restrictions and Limitations in the Amazon Simple Storage Service Developer guide.*

1. Click on your bucket in the Bucket pane.
2. Click Upload.
3. In the Upload – Select Files and Folders dialog box, click Add Files.
4. Choose the file that you want to upload.
5. Enable public read privileges for this file:
   1. Click Set Details.
   2. On the set Details dialog box, click Set Permissions.
   3. On the Set Permissions dialog box, selected the Make everything public option.
6. Click Start Upload.

After the upload completes, we can navigate to this items by its URL.

1. To obtain a link to the file, click on the file name and then on Properties.
2. Click on the displayed Amazon S3 Link to verify that your content is publicly accessible, but remember that this is not the URL we will use when we are ready to distribute our content.
3. Copy the object name to a text file for later use.

**Creating an Amazon CloudFront Web Distribution**

Now we will create Amazon CloudFront web distribution that distributes the file stored in the publicly accessible Amazon S3 bucket.

1. In the AWS Management Console homepage, click on Services at the top of the console and then click CloudFront to open the Amazon CloudFront console.
2. Click Create Distribution.
3. On the **Select a delivery method for our content** page, in the **Web** section, clicks **Get Started** to select Web as the delivery method.
4. On the next page, click in the Origin Domain Name box and select our Amazon S3 bucket that contains a publicly accessible image that we want to distribute.
5. Accept the default values for the rest of the parameters on that page, and click Create Distribution.

The status column shows In Progress for our distribution on the next page. After Amazon CloudFront has created your distribution, the value of the status column for our distribution will change to Deployed and it will then be ready to process requests. This should take less than 15 minutes.

The domain name that Amazon CloudFront assigns to our distribution appears in the list of distributions. It will normally look something like “dm2afijy05tegj.cloudfront.net”. ( it also appears on the **General** tab for a selected distribution.)

Using the Amazon CloudFront Web Distribution

Amazon CloudFront now knows where our Amazon S3 origin server is, and we know the domain name associated with the distribution. We can create a link to our Amazon S3bucket content with that domain name, and have Amazon CloudFront serve it.

Copy a Link to our Object

1. Copy the following HTML into a new text file:
   1. Replace <domain name> with the domain name that Amazon CloudFront assigned to our distribution.
   2. Replace <object name> with the name of the file we uploaded in our Amazon S3 bucket

**<html>**

**<head>Cap demo</head>**

**<body>**

**<p>My text content goes here.</p>**

**<p>**

**<img src="http://<domain name>/<object name>">**

**</p>**

**</body>**

**</html>**

For example, if our domain name was d23xwwsojirfor.cloudfront.net and our object was image.jpg. the URL for the link would be:

http:// d23xwwsojirfor.cloudfront.net/image.jpg

1. Save the text file has an .html extension.
2. Open the web page and load the html file to check the content.

The browser returns our page with the embedded image file, served from the edge location that Amazon CloudFront determined was appropriate to serve the object.

**Deleting the Amazon CloudFront Distribution**

We can clean up our resources by deleting the Amazon CloudFront distribution and the Amazon S3 bucket

**To delete a distribution:**

1. In the right pane of the Amazon CloudFront console, check the check box for our distribution, and click Disable.
2. Confirm that we want to disable the distribution by clicking Yes, Disable in the dialog box.
3. Then click Close.

The value of the State column immediately changes to Disabled. Wait until the value of the Status column changes to Deployed.

1. Check the check box for our distribution.
2. Click Delete.
3. Click Yes, Delete to confirm.
4. Click Close.

**To delete an Amazon S3 bucket:**

1. In the AWS Management Console homepage, click S3 to open the Amazon S3 console
2. In the Amazon S3 console, select the bucket we want to delete.
3. Click Actions.
4. Click Delete.
5. Click OK in the message box.

We have now released the resources used by our CloudFront distribution and Amazon S3 bucket.

**End of Lab:**

1. Click sign out in the AWS Management Console.