**Deliver content Faster with Amazon CloudFront**

Deliver content and decrease end-user latency of your web application using [Amazon CloudFront](https://aws.amazon.com/cloudfront/). CloudFront speeds up content delivery by leveraging its global network of data centers, known as edge locations, to reduce delivery time by caching your content close to your end users. CloudFront fetches your content from an origin, such as an Amazon Simple Storage Service (Amazon S3) bucket, an Amazon Elastic Compute Cloud (Amazon EC2) instance, an Elastic Load Balancing (ELB) load balancer, or your own web server, when it's not already in an edge location. CloudFront can be used to deliver your entire website or application, including dynamic, static, streaming, and interactive content.

**Steps**

**1.Prepare your content**

->we will upload sample static content to an Amazon S3 bucket. In later steps, we will use this bucket as a CloudFront origin. Amazon S3 is a good choice for an Amazon CloudFront origin that includes static content such as images, videos, HTML pages, .css files, and .js files.

-> The sample image we will use *cloudfrontdemo.png* ->open S3  console->Create bucket-> with unique bucket name**(**By default, S3 objects are set to private. You will need to make your image publicly readable. Select ACLs enabled under Object Ownership, deselect “Block all public access” and select the checkbox “I acknowledge that the current settings might result in this bucket and the objects within becoming public.”

If required We can use features of S3 bucket including [Versioning](http://docs.aws.amazon.com/AmazonS3/latest/dev/Versioning.html), [Server Access Logging](http://docs.aws.amazon.com/AmazonS3/latest/user-guide/server-access-logging.html), [Tags](https://docs.aws.amazon.com/AmazonS3/latest/dev/BucketBilling.html), [Object-level Logging](https://docs.aws.amazon.com/awscloudtrail/latest/userguide/logging-management-and-data-events-with-cloudtrail.html?icmpid=docs_cloudtrail_console#logging-data-events) and [Default Encryption](https://docs.aws.amazon.com/AmazonS3/latest/dev/bucket-encryption.html).)

  -> Upload the *cloudfrontdemo.png* file by selecting Add files and selecting the file *or* dragging the *cloudfrontdemo.png* file to the upload box.

Open the Permissions dropdown. Select Choose from predefined ACLs and then select Grant public-read access. Select the checkbox “I understand the risk of granting public-read access to the specified objects.”

**2.open CloudFront console**

-> Select Create a CloudFront distribution.

**3. Configure a web distribution**

  -> Origin domain select the name of the S3 bucket you stored cloudfrontdemo.png in and leave the rest of the configuration settings with the default

**4.Create a distribution**

->CloudFront will create the distribution and propagate it throughout the CloudFront network for you to use.  Select Create distribution.After this process is complete, your status column will change from *In Progress* to *Enabled.*The domain name that CloudFront assigns to your distribution appears in your list of distributions. Keep this in mind, you will need it for the next step. Clicking on the *Distribution ID* field takes you to a page where you will see the full CloudFront domain under Domain Name.

**5.Test your link**

After you create your web distribution, you can test it out by confirming that CloudFront gets your object from the origin and returns it to a web browser.  For this test, you will need the CloudFront domain name from Step 4 and the image name you uploaded to the S3 bucket in step 1.

a. Open a text editor on your computer. Copy and paste the following HTML code:

<html>

<head>My CloudFront Test</head>

<body>

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

<p><img src="https://dondf5yddwgq4.cloudfront.net/cloudfrontdemo.png" alt="my test image">

</body>

</html>

* Replace *domain name*with the domain name that CloudFront assigned to your distbribution, such as *d111111abcdef8.cloudfront.net.*
* Replace *object name*with the name of your image file in the Amazon S3 bucket - in our case, *cloudfrontdemo.png.*
* Save the text in a file as *mycloudfronttest.html*.

**6.Disable and delete your distribution**

->Select the checkbox next to the distribution you created and choose Disable.

->You will be asked to confirm. Choose Disable.

-> Select the checkbox next to the distribution you created and choose Delete.

->You will be asked to confirm. Choose Delete and terminate resources.

**Conclusion**

you created your first Amazon CloudFront web distribution and delivered a piece of static content hosted in the cloud through Amazon S3. With a few configuration changes, you can use CloudFront to deliver dynamic content, live events such as a meeting, conference, or concert, in real time over HTTP or HTTPS. Use Amazon Cloudfront to speed delivery of your entire website or application, including dynamic, static, streaming, and interactive content.