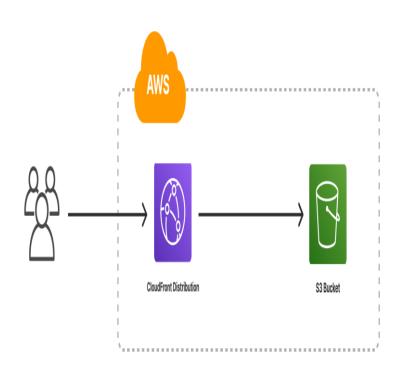
October project

New project launches In AWS

Project: Deploy Static Website on AWS

Hello, my name: Aya Rabih working! Dev-ops engineering in multinational lovely company and today we will learn Deploy Static Website on AWS. This project it is so critical to lean it and get more info for cloud and AWS.

So, in this documentation you will find all steps you need it to create it with deep details.



Create by Aya Rabih



PROJECT OVERVIEW

The cloud is perfect for hosting static websites that only include HTML, CSS, and JavaScript files that require no server-side processing. The whole project has two major intentions to implement:

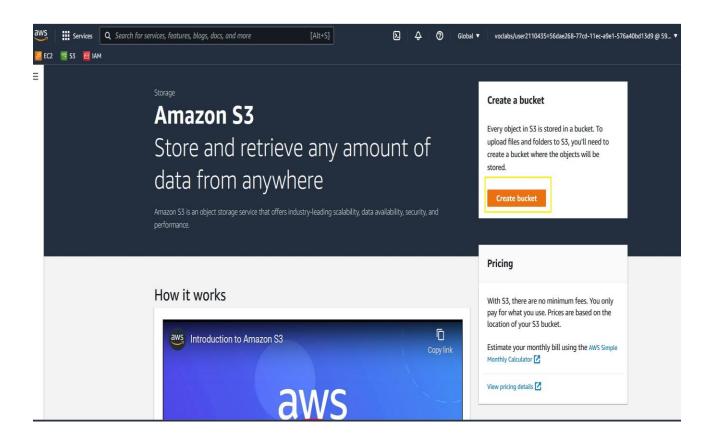
Hosting a static website on S3 and

Accessing the cached website pages using Cloud Front content delivery network (CDN) service. Recall that Cloud Front offers low latency and high transfer speeds during website rendering.

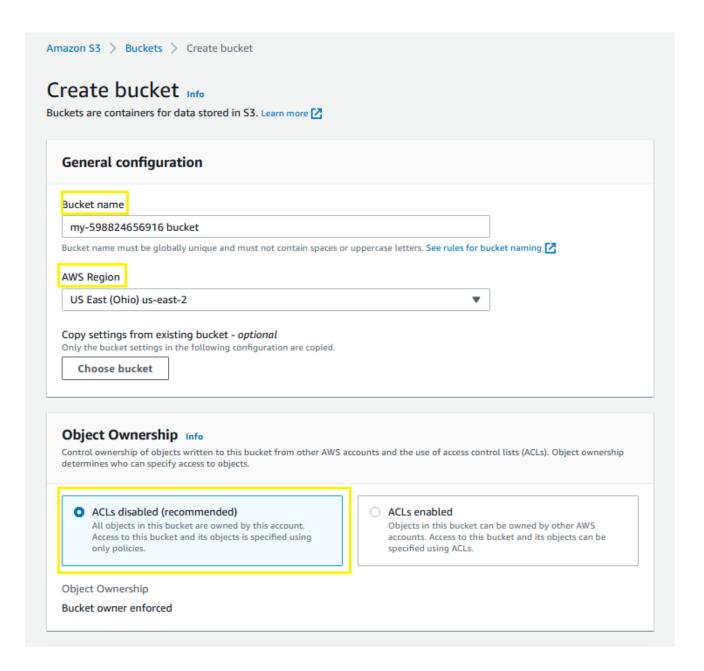
Note that Static website hosting essentially requires a public bucket, whereas the Cloud Front can work with public and private buckets.

- ➤ In this project, you will deploy a static website to AWS by performing the following steps:
- 1. You will create a public S3 bucket and upload the website files to your bucket.
- 2. You will configure the bucket for website hosting and secure it using IAM policies.
- 3. You will speed up content delivery using AWS's content distribution network service, Cloud Front.
- 4. You will access your website in a browser using the unique Cloud Front endpoint.

- 1) You will create a public S3 bucket and upload the website files to your bucket.
 - ➤ Click create bucket



- > Click create bucket name
- ➤ Click create Region you will create your bucket there
- ➤ Click create Acls disabled



- ➤ Click to remove block all public access
- ➤ Click to sure that you want be public

Block Public Access settings for this bucket Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to this bucket and its objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to this bucket or objects within, you can customize the individual settings below to suit your specific storage use cases. Learn more [2] Block all public access Turning this setting on is the same as turning on all four settings below. Each of the following settings are independent of one another. Block public access to buckets and objects granted through new access control lists (ACLs) 53 will block public access permissions applied to newly added buckets or objects, and prevent the creation of new public access ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 resources using ACLs. Block public access to buckets and objects granted through any access control lists (ACLs) 53 will ignore all ACLs that grant public access to buckets and objects. Block public access to buckets and objects granted through new public bucket or access point policies 53 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change any existing policies that allow public access to S3 resources.

Δ

policies

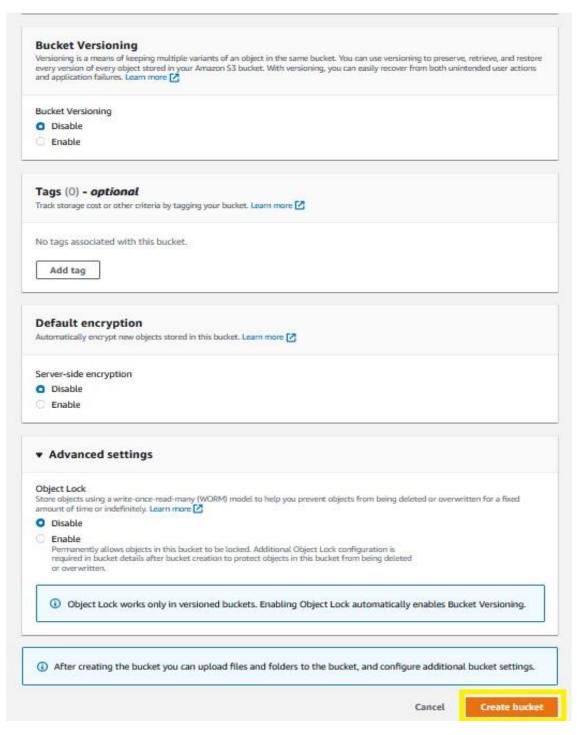
Turning off block all public access might result in this bucket and the objects within becoming public AWS recommends that you turn on block all public access, unless public access is required for specific and verified use cases such as static website hosting.

Block public and cross-account access to buckets and objects through any public bucket or access point

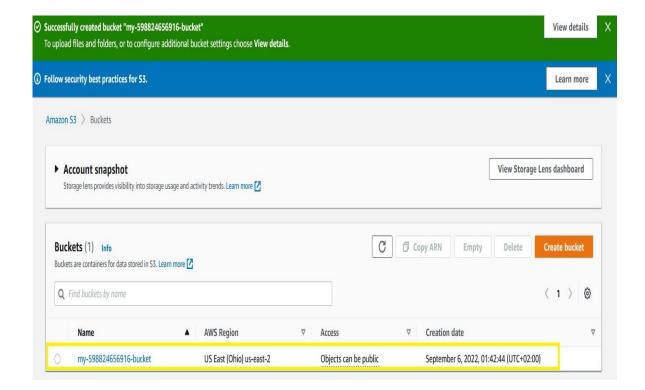
53 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and

I acknowledge that the current settings might result in this bucket and the objects within becoming public.

➤ Click create bucket

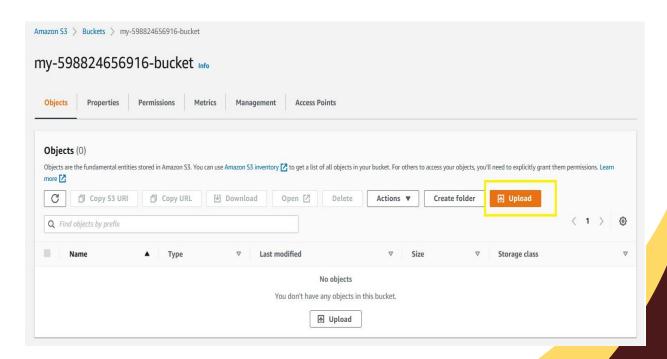


> Now we create bucket

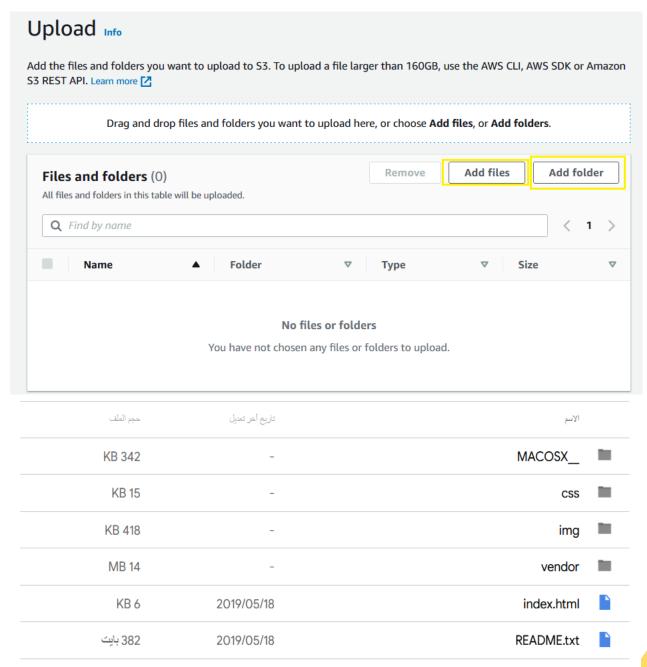


2. You will configure the bucket for website hosting and secure it using IAM policies

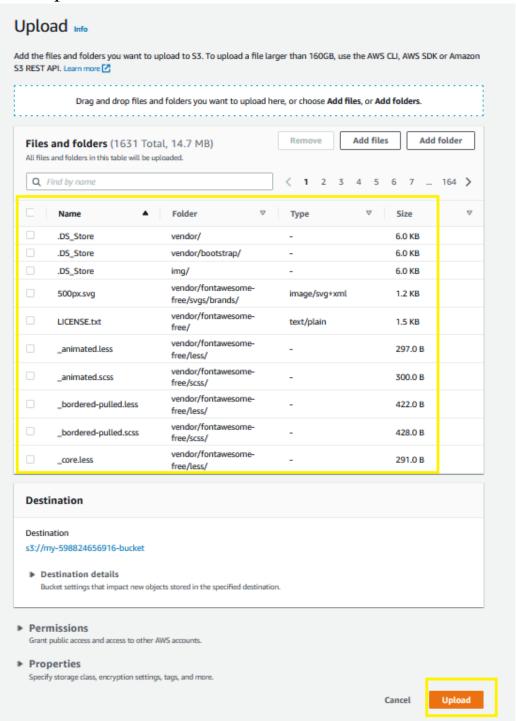
➤ Upload files to S3 Bucket



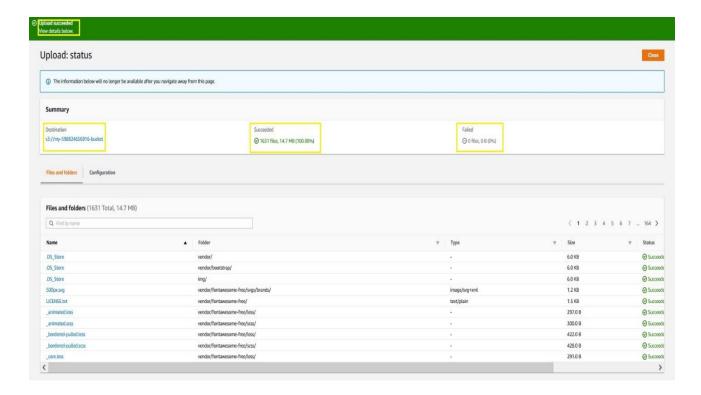
➤ Click "Add files" to upload the index.html file, and click "Add folder" to upload the css, img, and vendor folders.



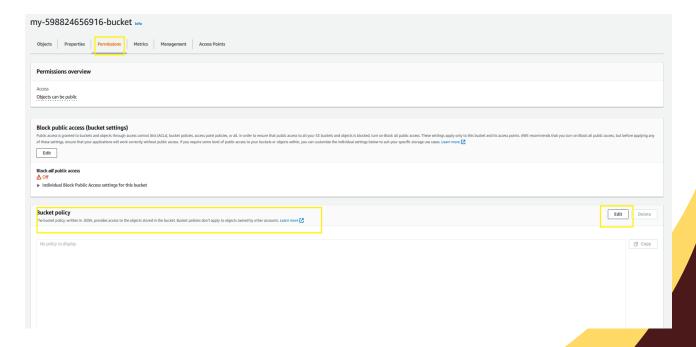
➤ Now update files to S3 Bucket



➤ Now complete update files to S3 Bucket

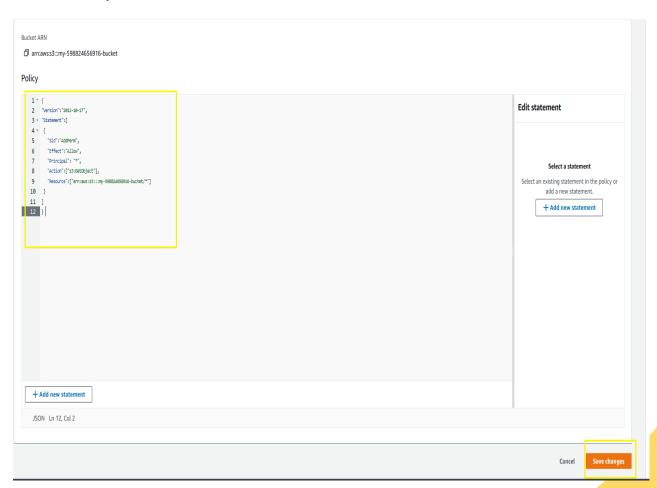


1. Click on the "Permissions" tab.



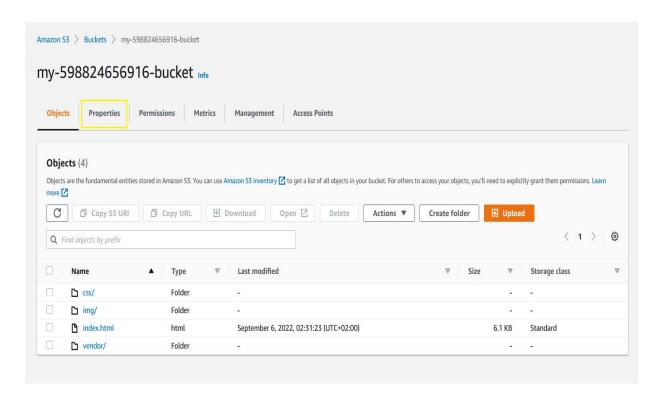
2. The "Bucket Policy" section shows it is empty. Click on the Edit button.

3- Enter the following bucket policy replacing my-598824656916-bucketwith the name of your bucket and click "Save".

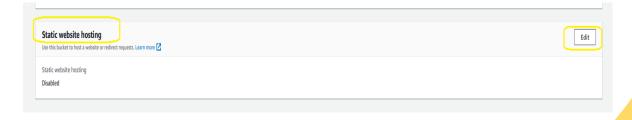


CONFIGURE S3 BUCKET

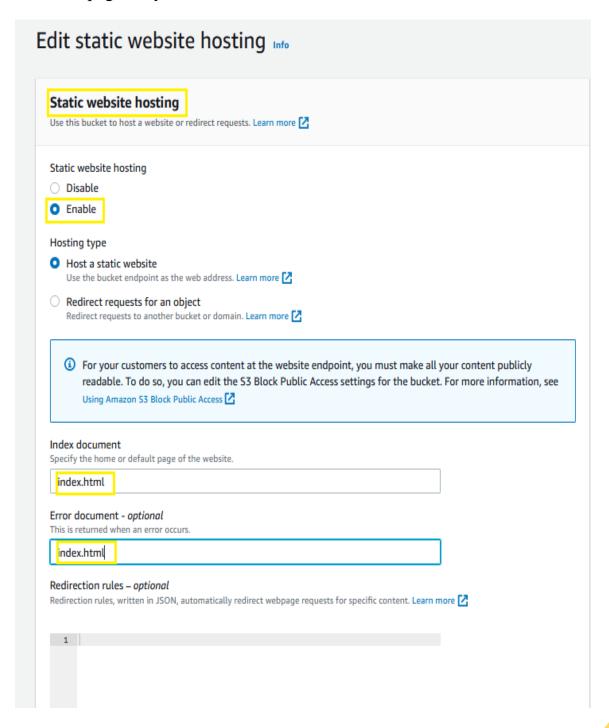
1. Go to the Properties tab and then scroll down to edit the Static website hosting section



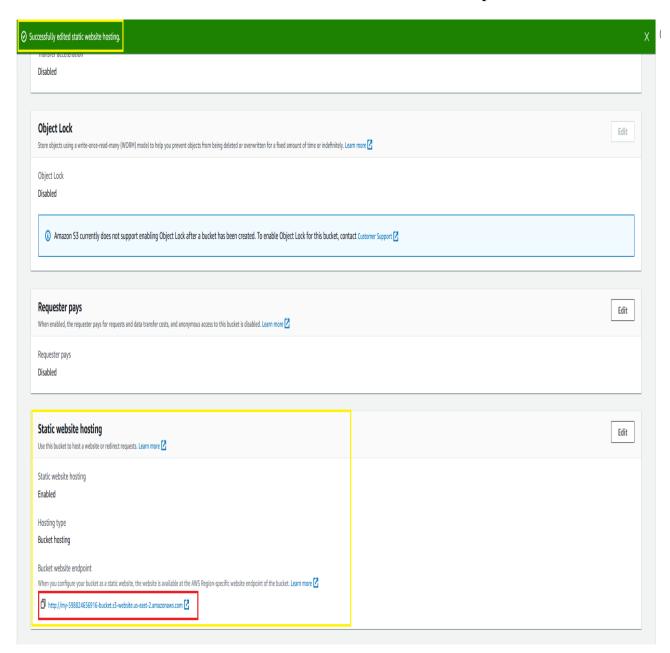
2. Click on the "Edit" button to see the Edit static website hosting screen.



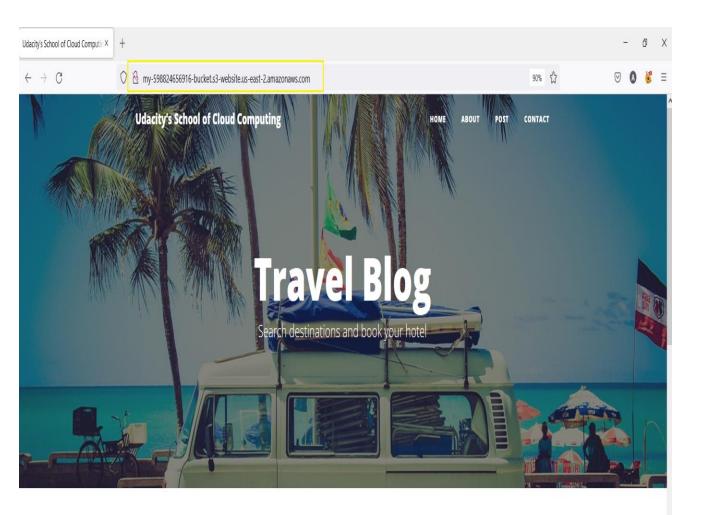
3. Now, enable the Static website hosting, and provide the default home page and error page for your website.



4. Check the **Static website hosting** section again under the **Properties** tab. You must now be able to view the website endpoint as shown below:



5. Copy the website endpoint for future use (WE GIT IT)



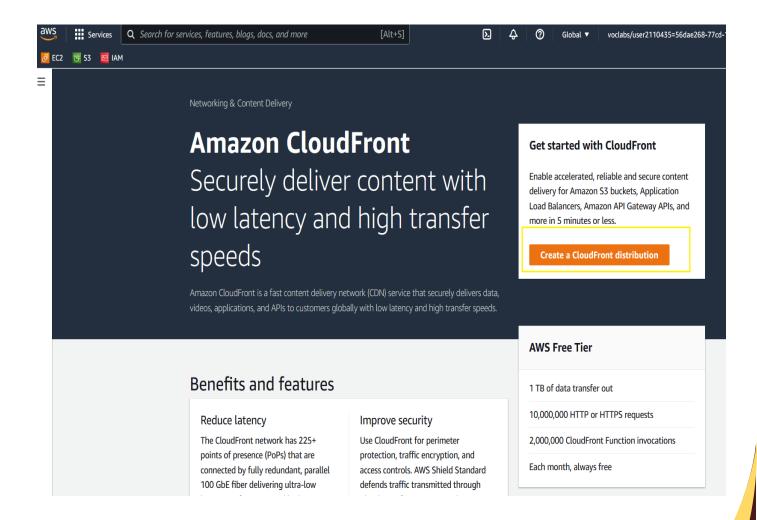
The Most Popular Destinations for Solo Travelers

Here are the spots where you're most likely to meet other people who are traveling alone.

Posted by Jane Doe on September 24, 2019

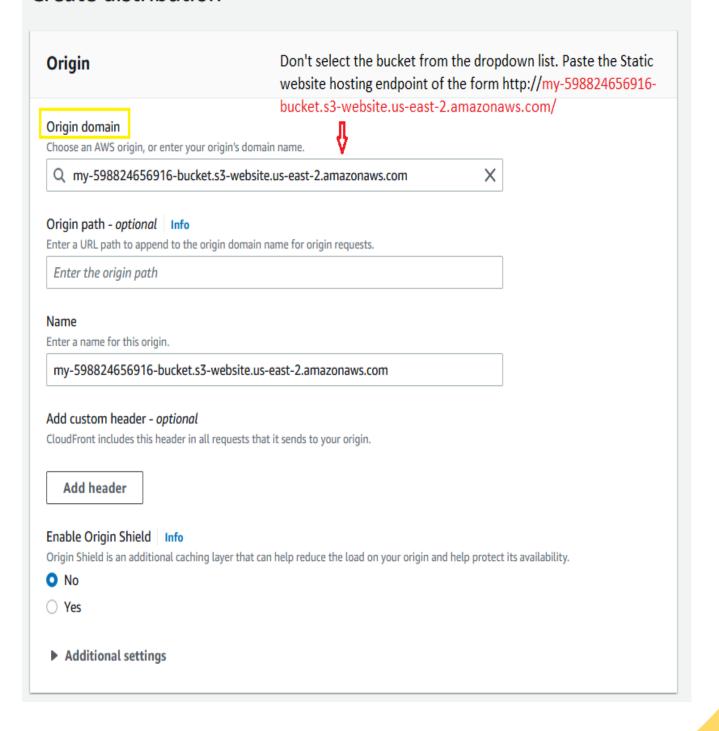
Distribute Website via CloudFront

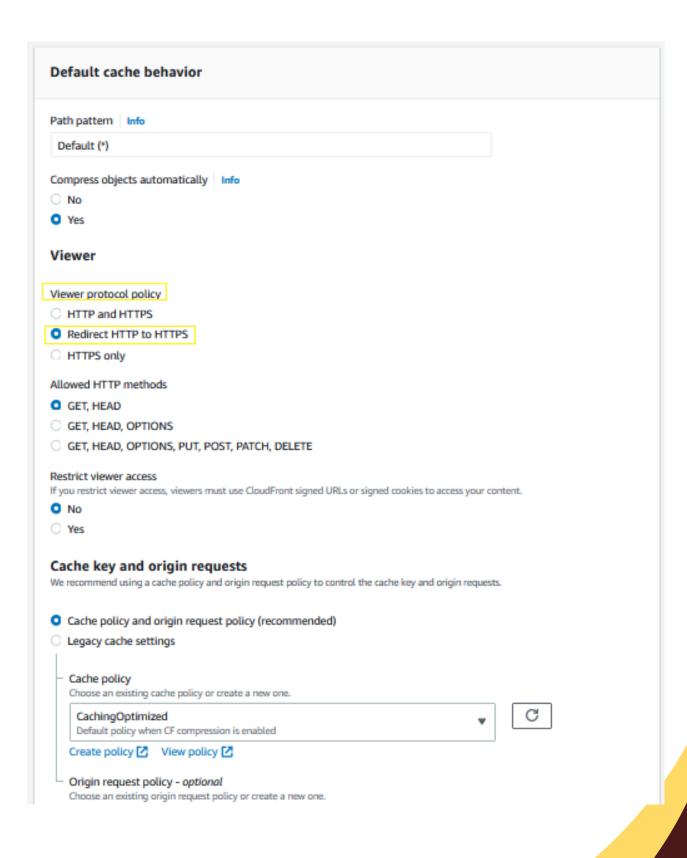
- 1. Select "cloud front"
- 2. Click "Create Distribution".



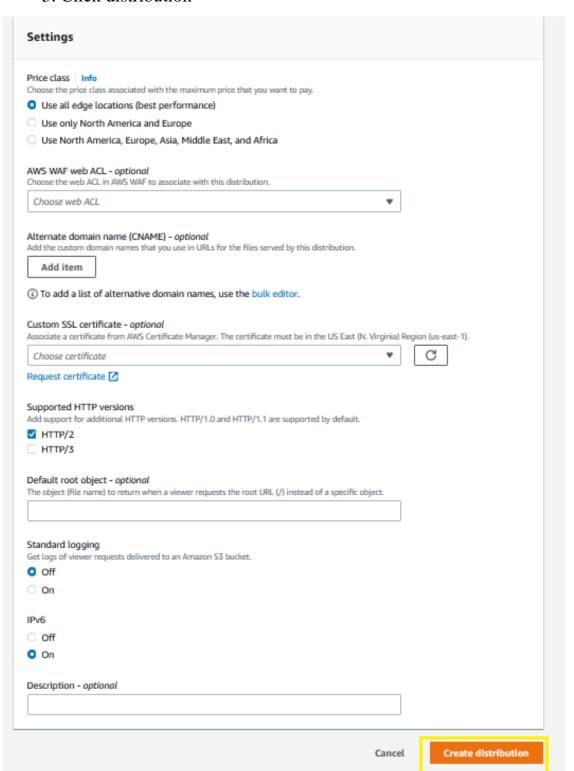
3. Configure distribution

Create distribution

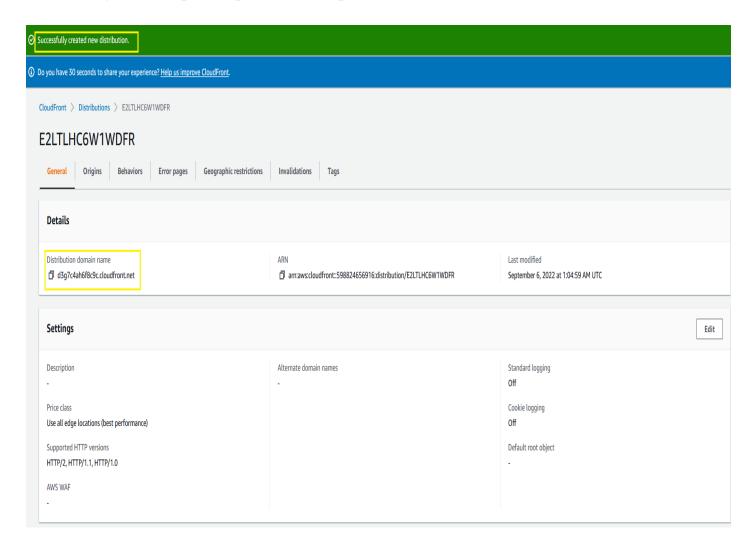




5. Click distribution



- 6. now all things is perfect distribution
- 7. get link cope and past in new tap



✓ NOW task DONE

