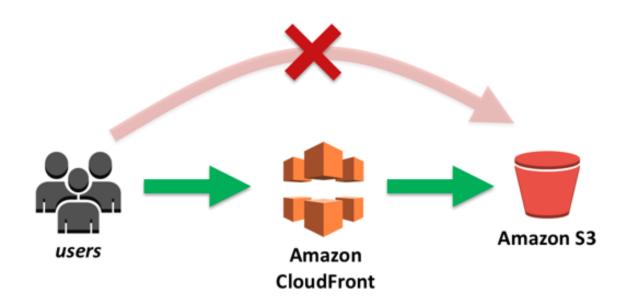
CDN- Cloud-Front DEMO How CDN works in AWS.

Connect on Linked In. https://www.linkedin.com/in/ritikktiwari/



AWS Free Usage Tier

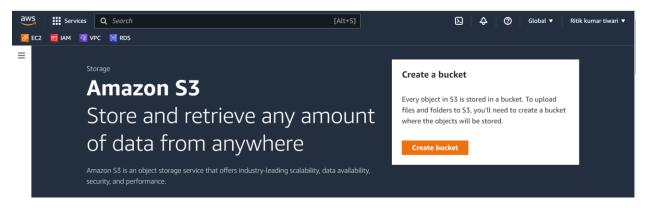
As part of the AWS Free Usage Tier, you can get started with Amazon CloudFront for free. Upon sign-up, new AWS customers receive 50 GB Data Transfer Out and 2,000,000 HTTP and HTTPS Requests, and 2,000,000 CloudFront Function invocations each month for one year.

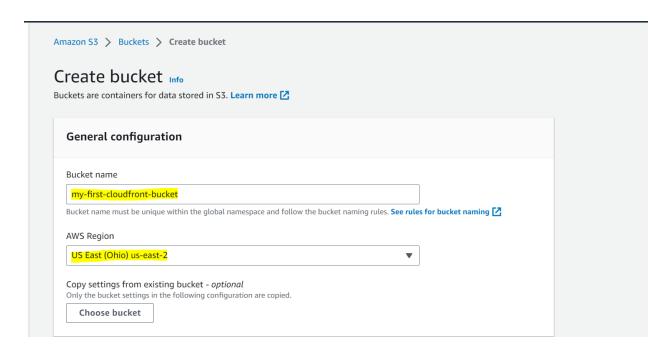
For On Demand:

- Data transfer out. (Internet/Origin)
- HTTPS/HTTP Requests
- Invalidation requests
- Dedicated IP Custom SSL certifications Associated with a CloudFront Distribution

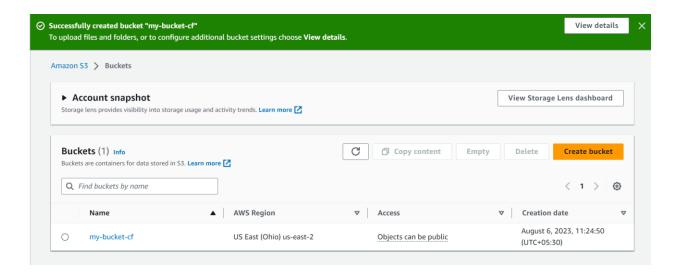
1-Connect on LinkedIn: Ritik Kumar Tiwari

Make **S3 bucket** and upload any object like: images, text file, json file, index.html file anything for accessing through CDN -CloudFront

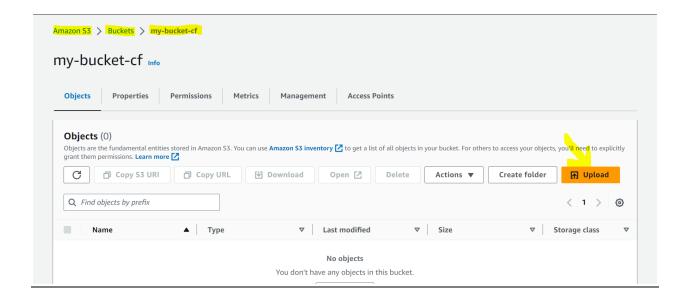


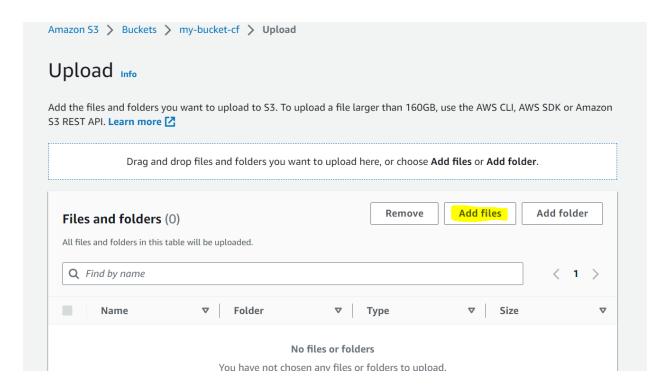


Block Public Access settings for this bucket Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to this bucket and its objects is blocked, turn on Block all public access. These settings 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 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) S3 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) S3 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 S3 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. Block public and cross-account access to buckets and objects through any public bucket or access point policies S3 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.

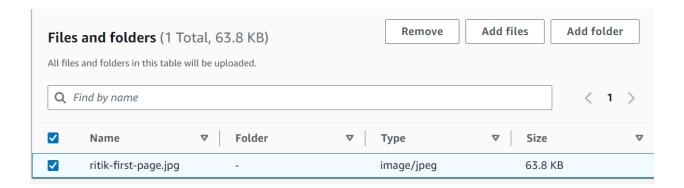


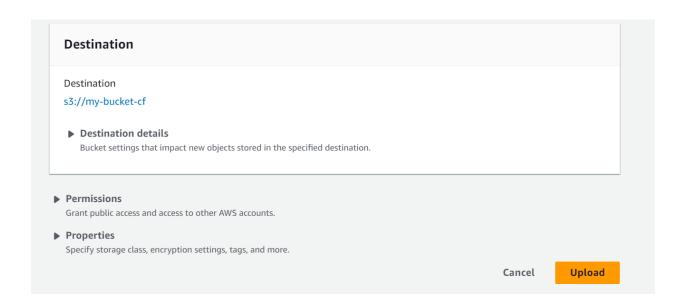
Now your bucket has been created, we need to upload a image in this bucket.

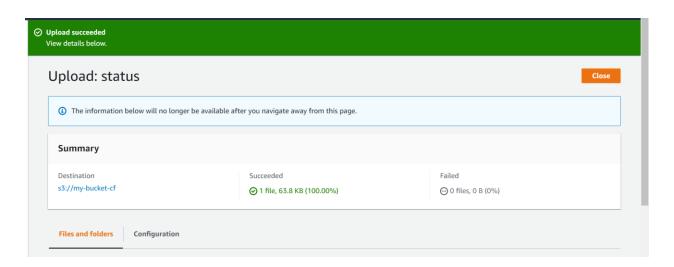




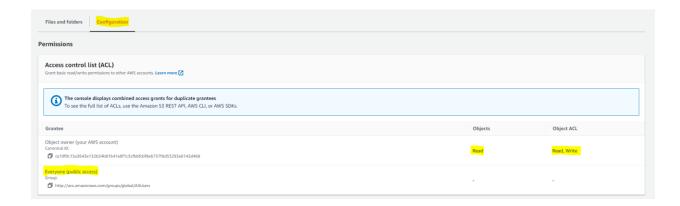
Upload a picture for accessing through CloudFront.



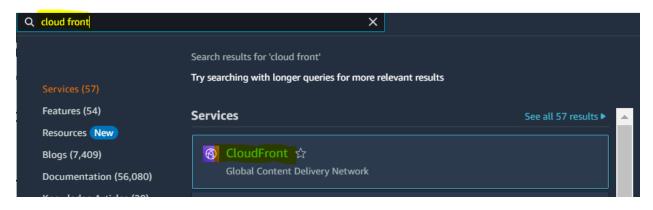




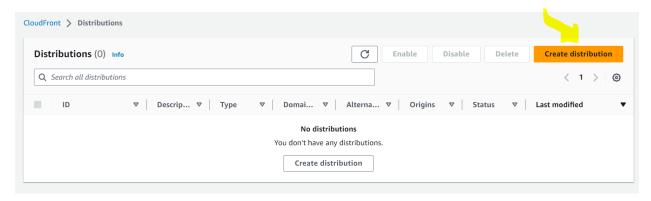




Now search CloudFront and go inside.



Click on create distribution.



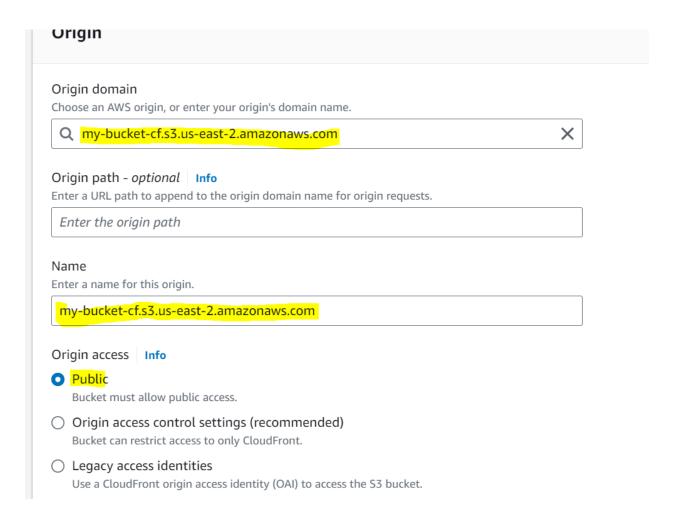
Choose your bucket which you have made.

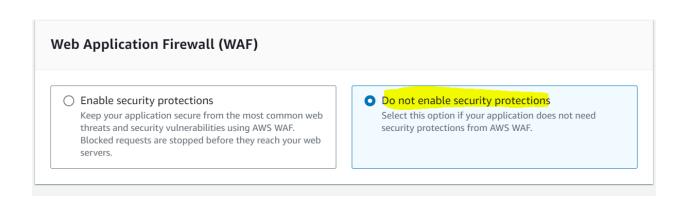
Origin

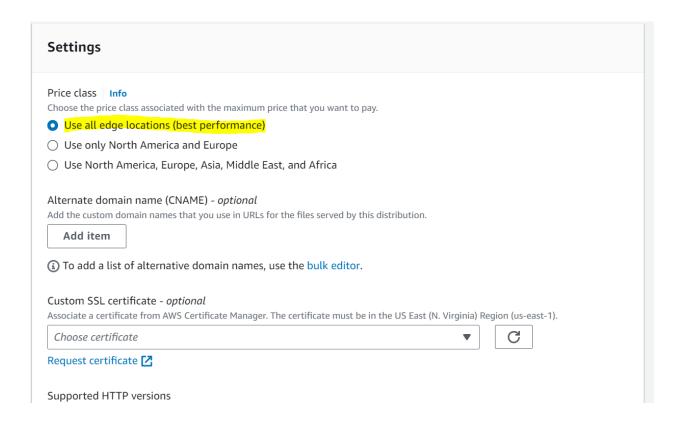
Origin domain

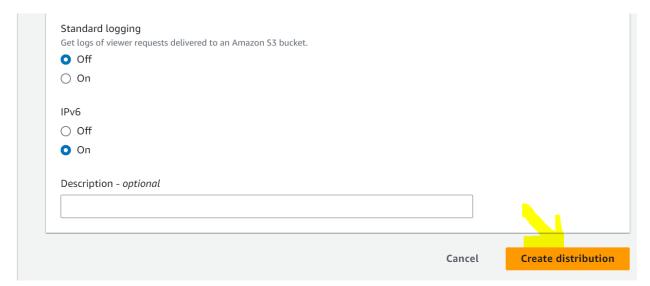
Choose an AWS origin, or enter your origin's domain name.

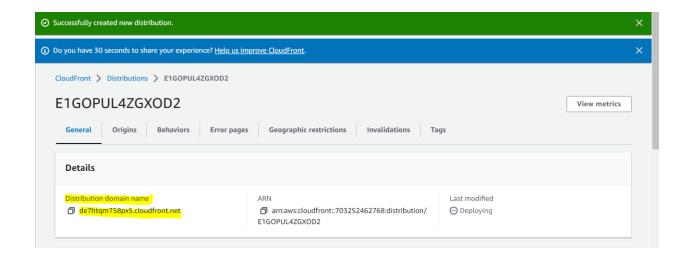












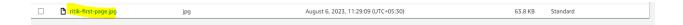
Copy the Distributed domain name!



If you paste only distributed domain name that will not be work.

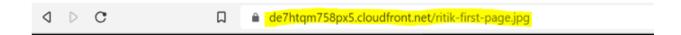


We need to paste uploaded content which is present in our bucket along with distributed domain name.

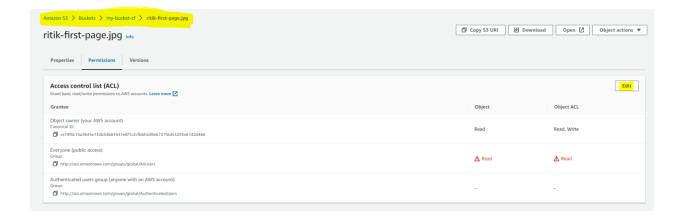


For eg:

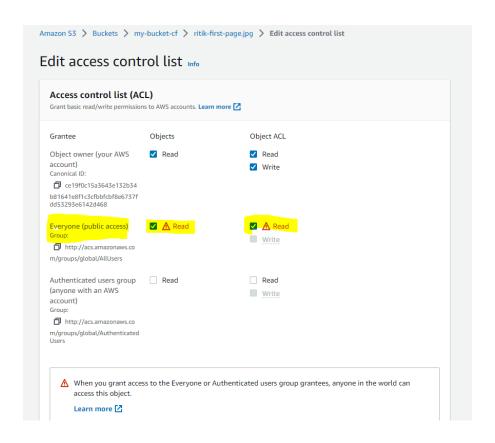
If you get error, then below is the steps to resolve the problem.



Go to you bucket > click on you uploaded file > go to permission > edit >.



Check the mentioned box.

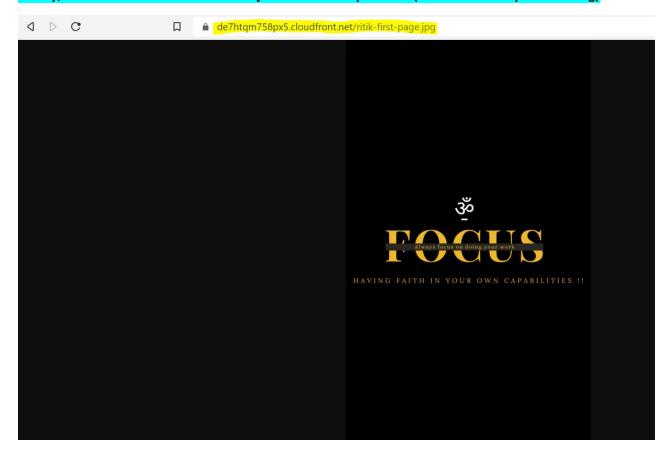




Then again paste the similar URL like below:

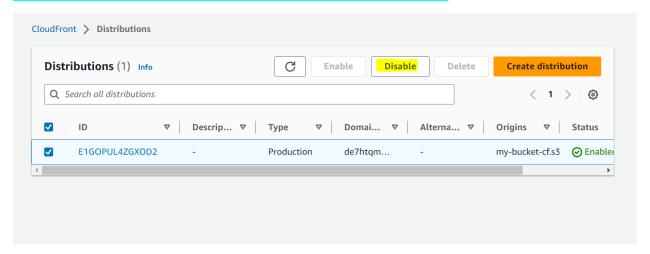


Finally, we can be able to access our object with the help of CDN (Content Delivery Networking).



After doing this lab, do not forget to delete your services which is used by you:

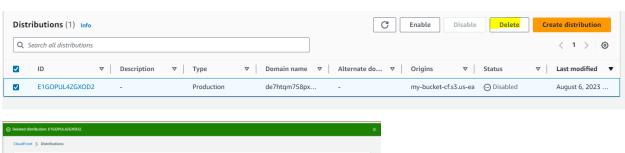
First you must disable then you can delete the Distributed domain name:



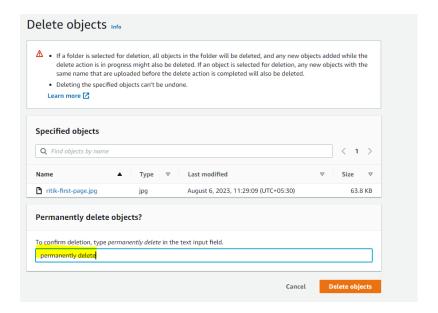
It will take time to disable it.

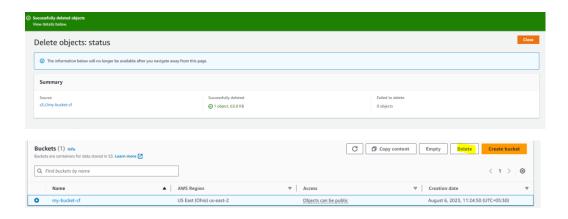


After disabling we can delete

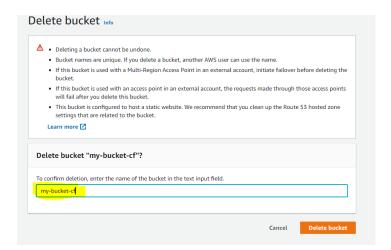


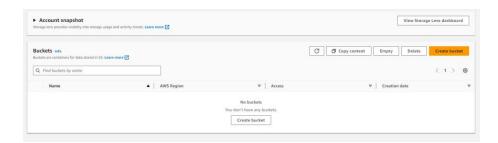
Without deleting the object which is present in bucket, you cannot delete your bucket so first delete object/files.





After deleting the object, you can delete your bucket now.





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Thank you!!