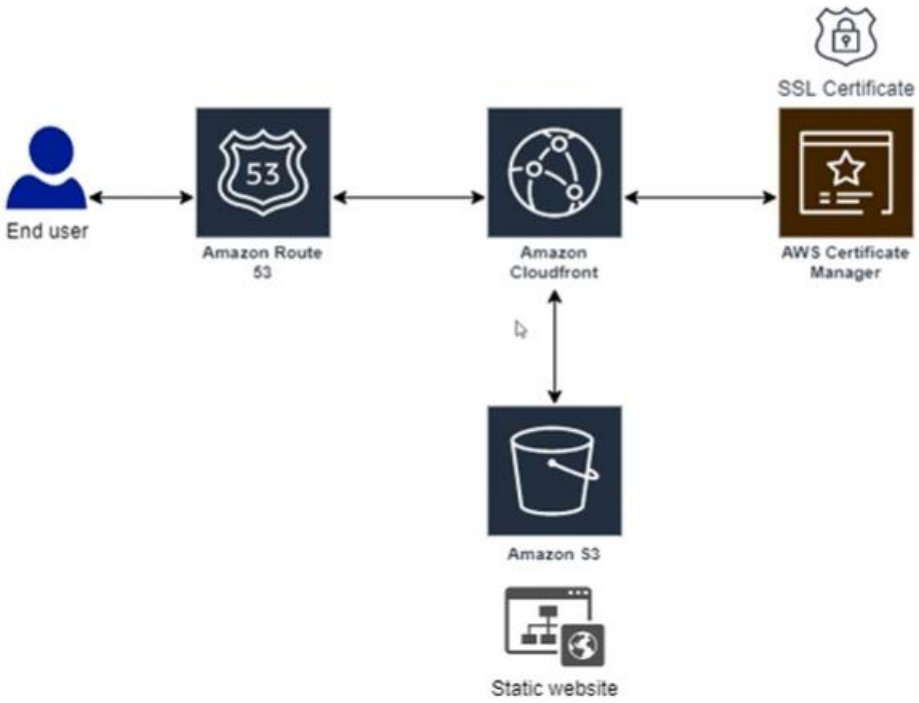


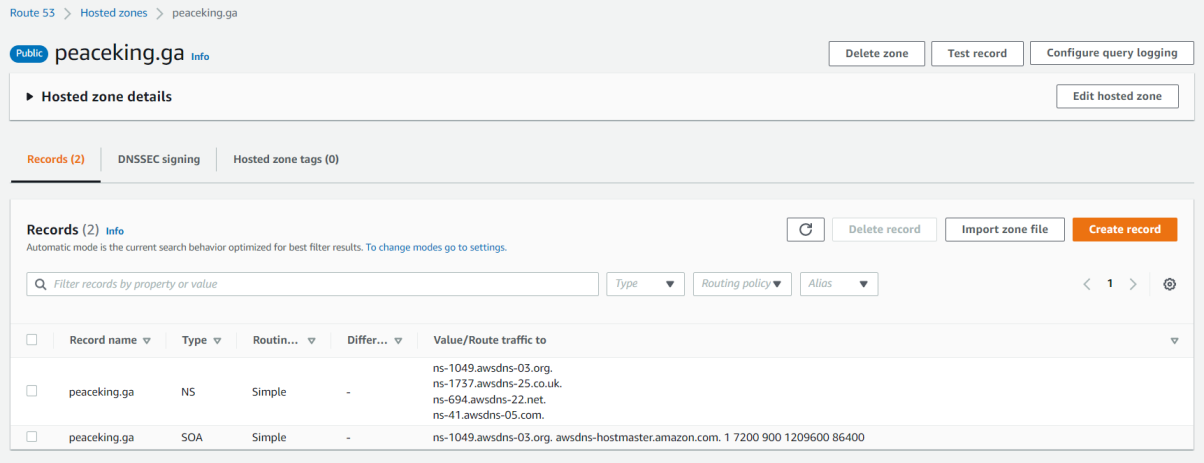
Scenario: - we have to configure some AWS services for HTTPS static website, we will use this following AWS services to get this task done.

1. S3
2. CloudFront
3. Route 53
4. AWS Certificate Manager **(N. Virginia) region**

Purchase Free Domain from

1. Freenom.com
2. Freedomini.com

Create Hosted Zone in Route53

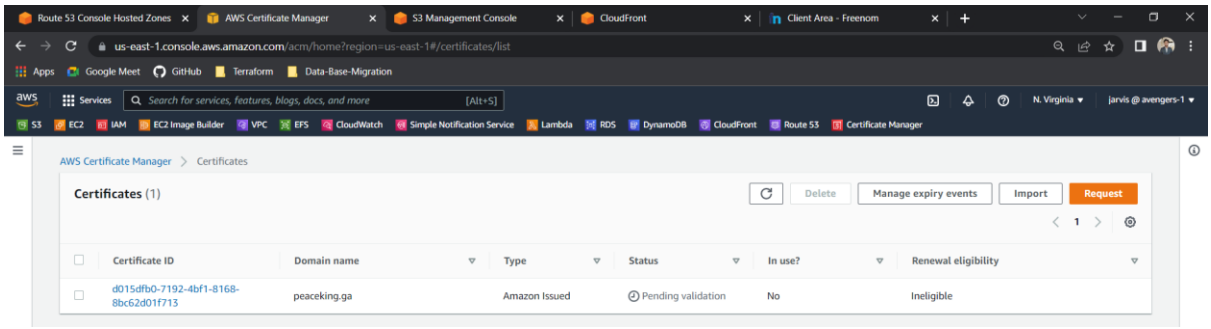


We have our domain name and we are able to create DNS records for it, we can **request our certificate for CloudFront.** This will allow us to serve traffic over HTTPS.

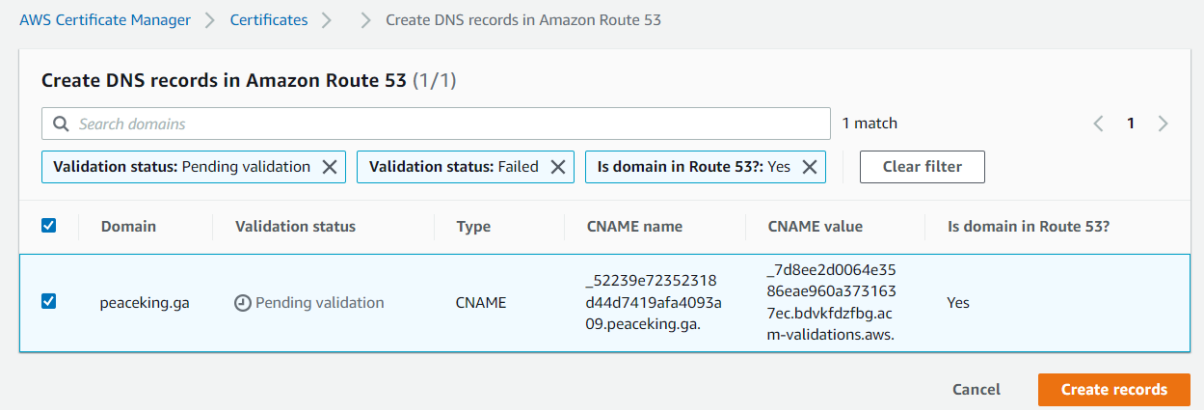
Note: - To use an ACM certificate with Amazon CloudFront, you must request or import the certificate in the US East (N. Virginia) region only.

[Supported Regions - AWS Certificate Manager (amazon.com)]

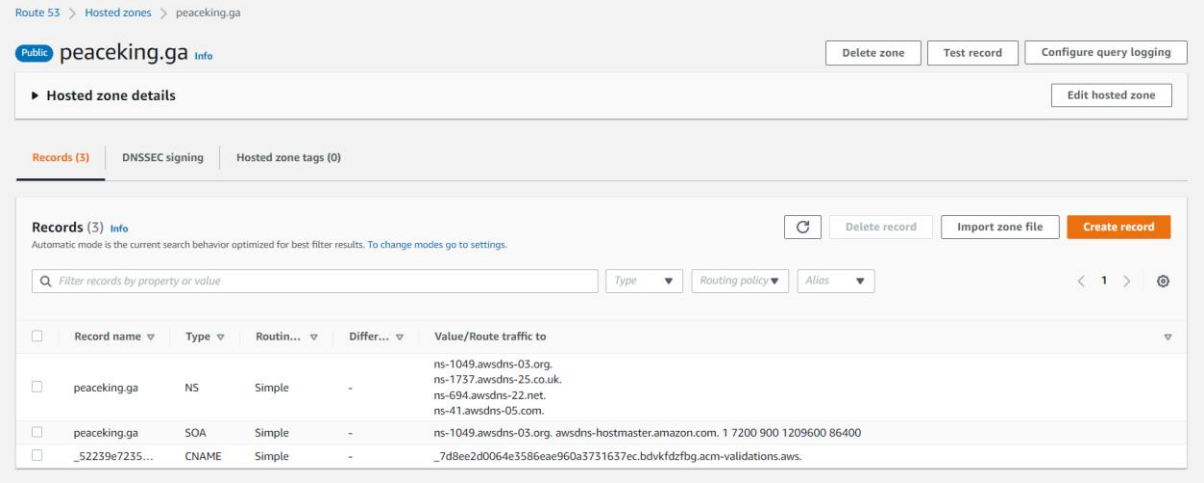
Issue amazon SSL certificate from **amazon certificate manager service** in only North Virginia region



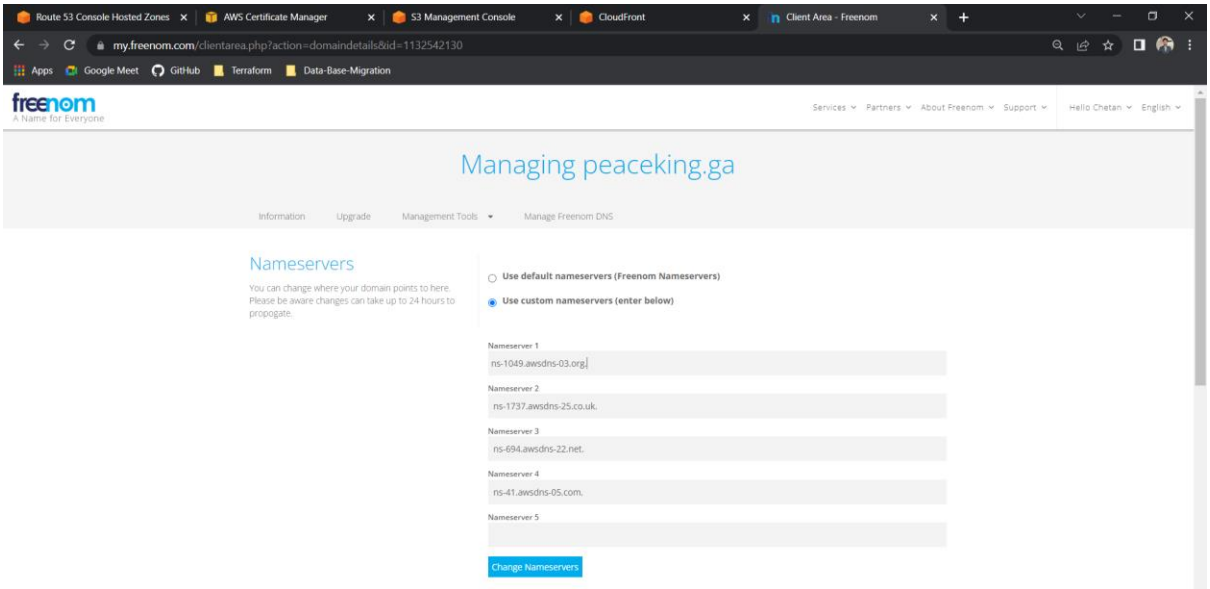
Create CNAME Record in SSL certificate



Successfully CNAME Record updated in Route53 hosted Zone

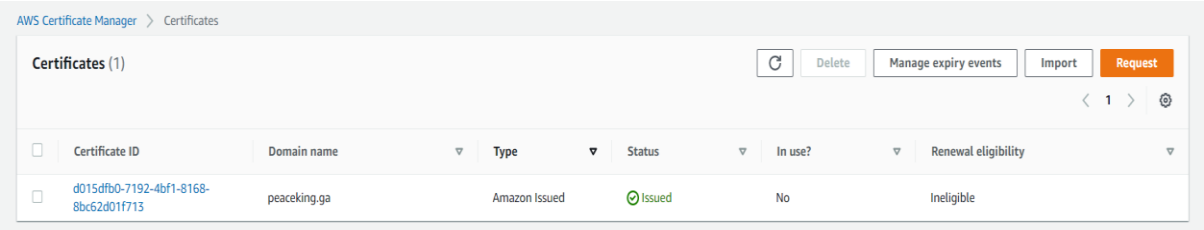


Add All Route53s NS records entry into Freenom.com purchased domain.



It will help to validate our SSL certificate

SSL certificate successfully validated



Now create S3 bucket in North Virginia where SSL certificate created.

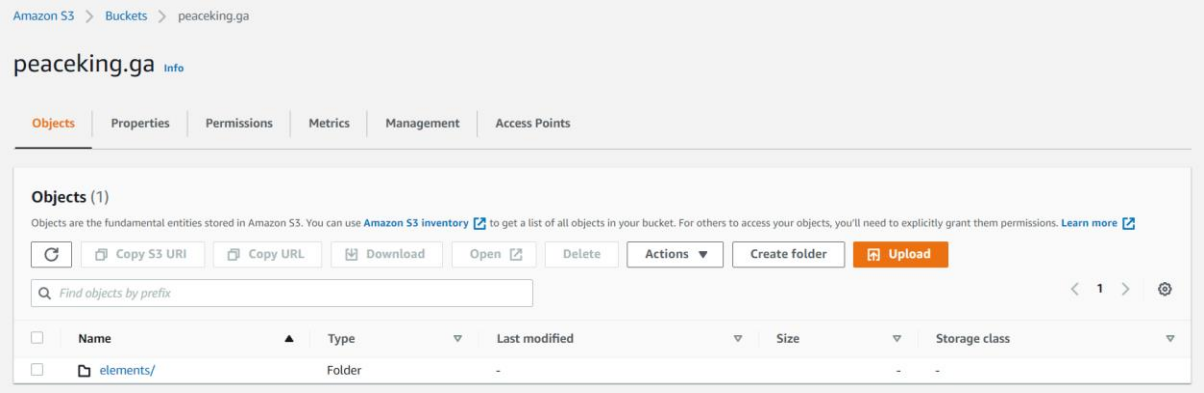
Domain Name and Bucket name should be same

Region: - North Virginia

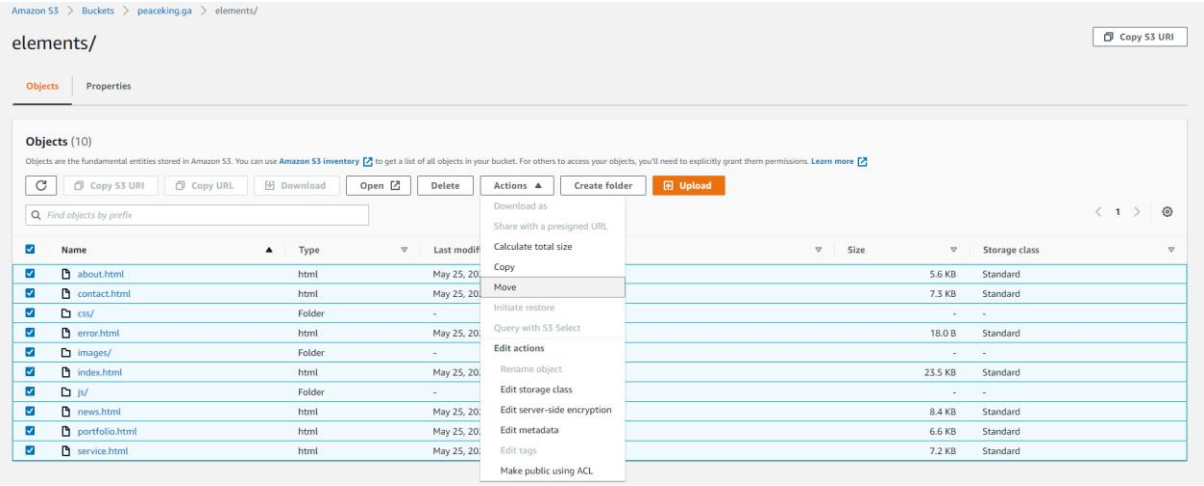
Object Ownership: - ACL Enabled

Block Public Access settings for this bucket: - Uncheck all

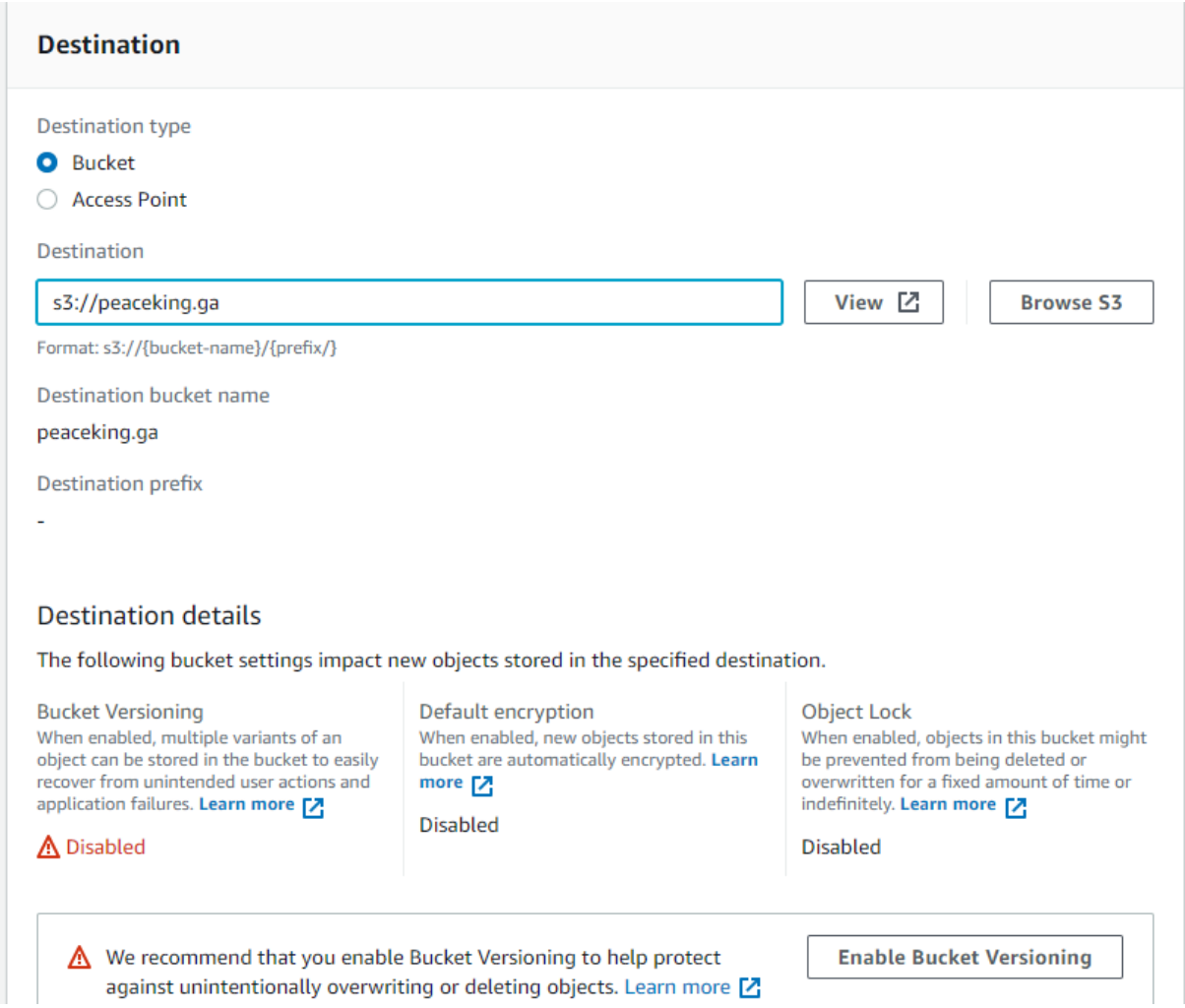
Upload our static website content into S3 bucket



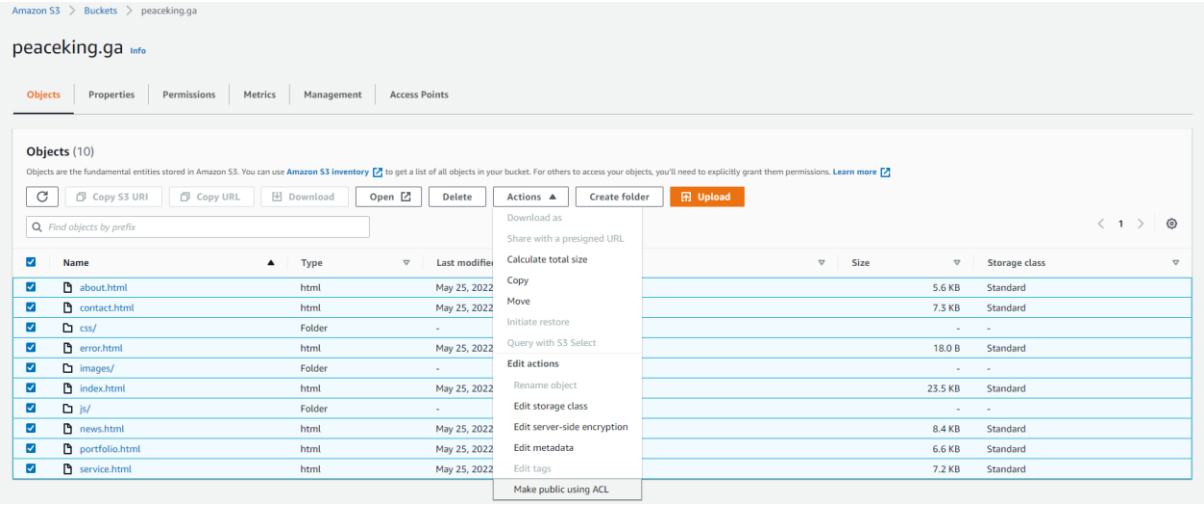
Move all contetnt in that directory into S3 bucket, it will help to easily get the make public.



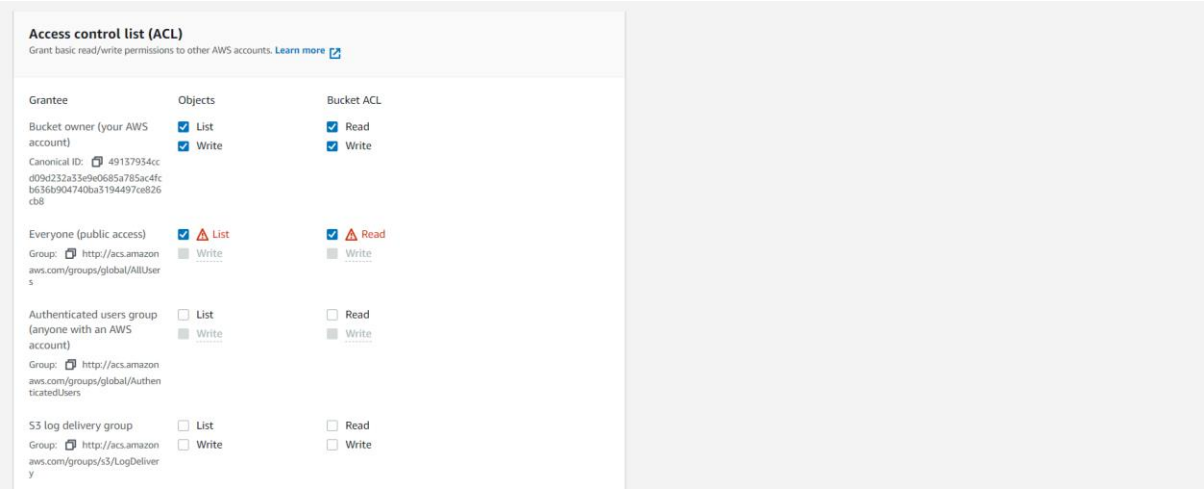
Choose destnination of our bucket



All contetnt move into S3 bucket, now do all make them public



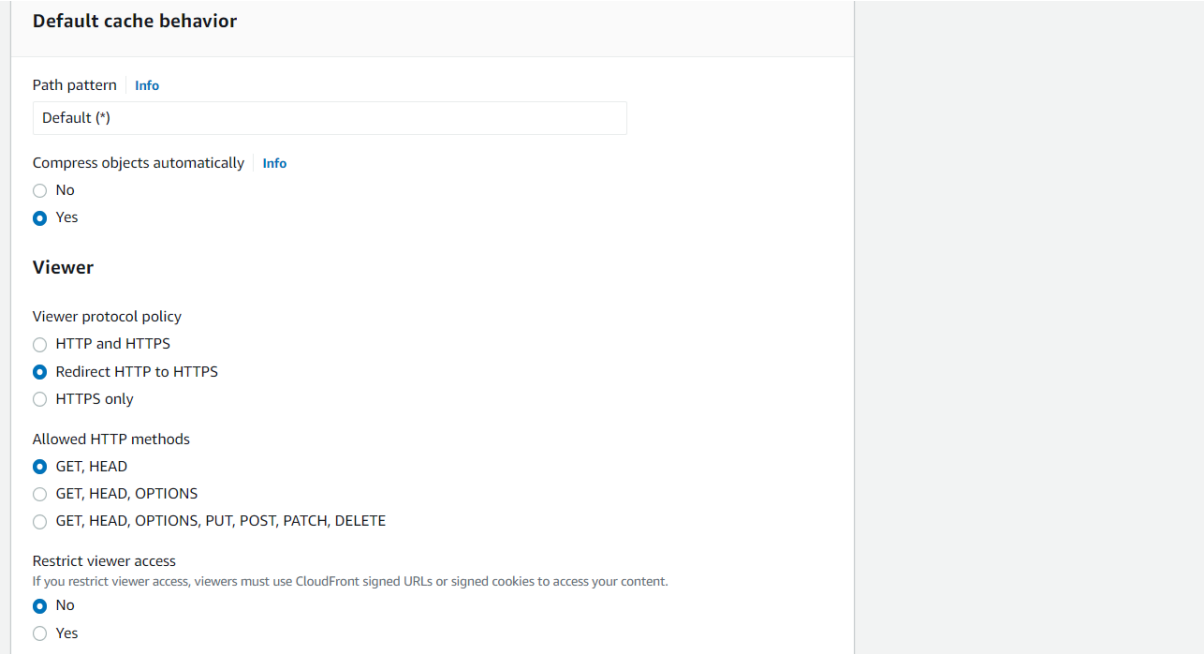
Give **List & Read** permission to everyone (public)



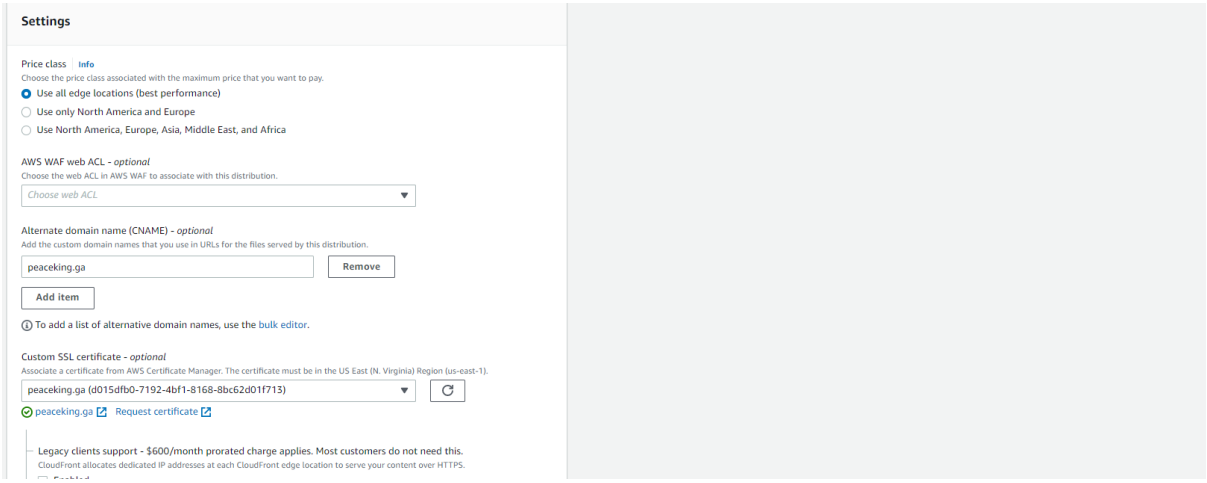
Go to Cloudfront >> create distributuion

Origin Domian:- Select the bucket that we are created.

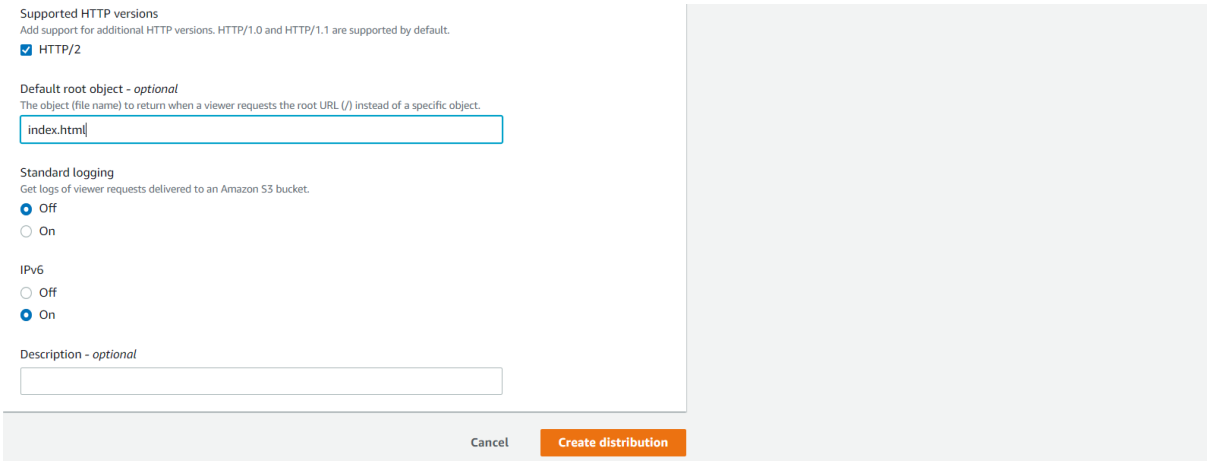
Redicrect http to https



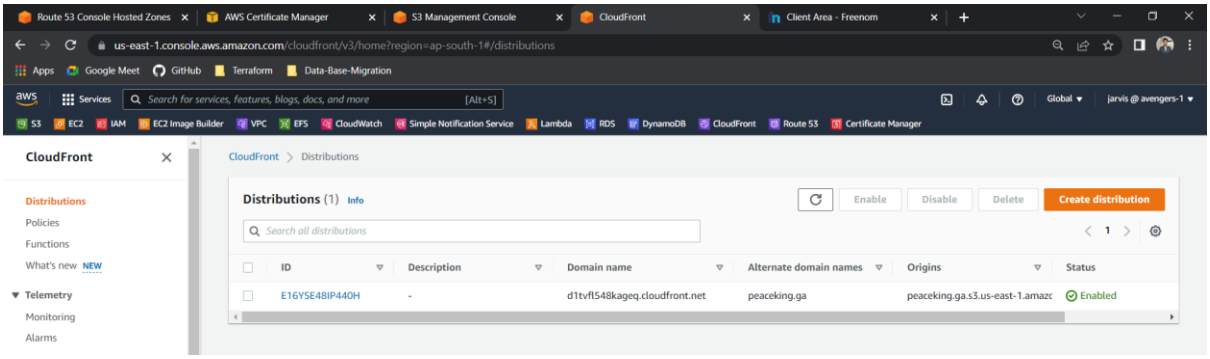
Provide Domain Name and add SSL ceritificate



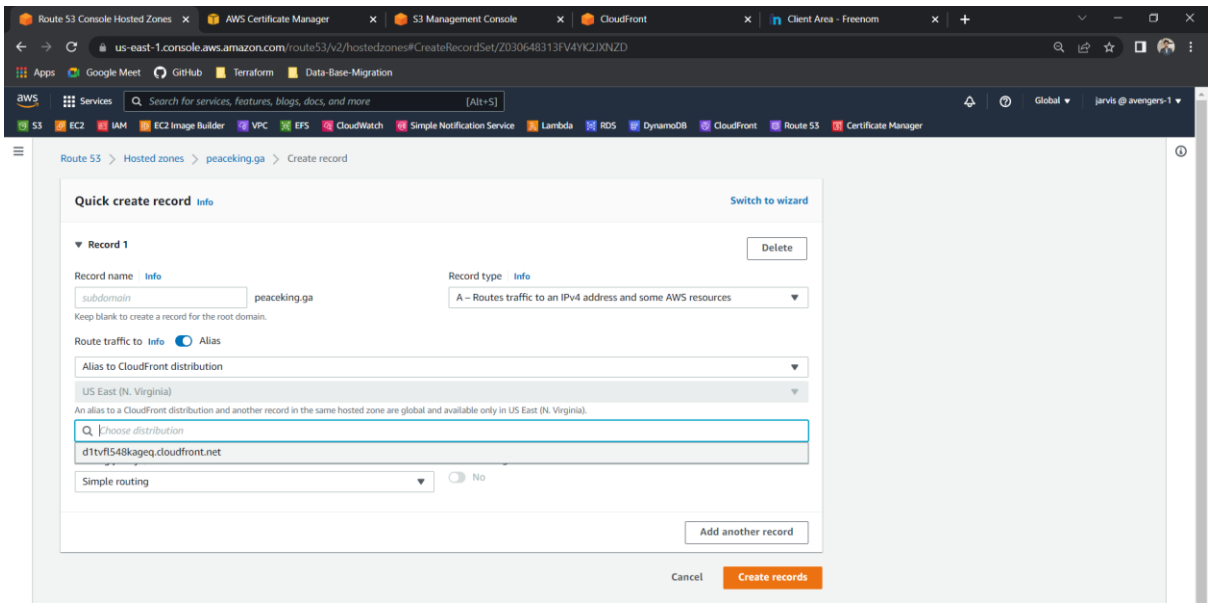
In default root object put “index.html” and create



Cloud distribution sucsesfully created and Enabled.



Go to Route53 and create A record by using CloudFront distribution >> save record



Our static website successfully hosted in https with SSL certificate