DEPLOY A STATIC WEBSITE USING S3, CLOUDFRONT AND ROUTE 53

1.Create a bucket

- Name =<unique name>
- Unblock the public access
- Choose create bucket

2.Enable Static Website Hosting on S3

- Select the created bucket
- Go to properties tab
    ⇒ In Static website hosting select edit and enable it.

    ⇒ index document = index.html

    ⇒Error document = error.html (optional)

    ⇒save changes

3.Upload website files to S3

- Go to object tab
    ⇒upload any file
- Then go to permissions tab
    ⇒ In bucket policy click edit
        ♥select policy generator
        ♥policy type =S3 bucket policy
        ♥effect=allow
        ♥principal = " * "
        ♥actions = get object
        ♥copy the bucket ARN and paste in Amazon
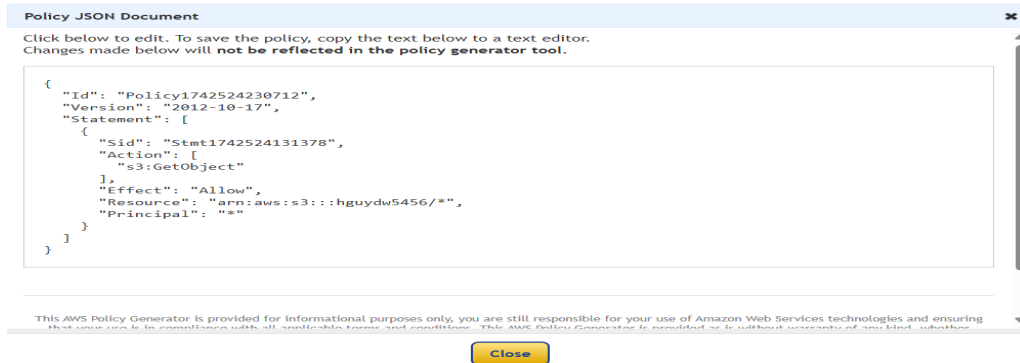   Resource Name (ARN)with " /* "

Eg:

Amazon Resource Name (ARN) arn:aws:s3:::hguydw5456/*

♥ add statement

♥ click generate policy you will get a policy JSON document copy it

⟹ copy them and paste in bucket policy and click save changes

- Then copy the object URL and paste in new tab uploaded image will appear

4.Configure CloudFront (CDN)

- Create distribution
- Origin domain = <copy and paste the static website endpoint>
- Viewer protocol policy = Redirect HTTP to HTTPS
- WAF = do not enable security protection

5.Route 53

- Create hosted zone
- Enter domain name (domain with ".com")
  Eg:

Domain name | Info
This is the name of the domain that you want to route traffic for.

jen.com

- Create
- Scroll down and create record
- Record name=<subdomain>
- In value =<copy the cloudfront domain name and paste >
- Record type =CNAME
- Create record

5.final step

- Wait 10-30 minutes for DNS propagation.
- Open your browser and enter your domain name (www.domain.com)