Project 1: host a static website with custom domain.

* Created a custom domain name using Amazon Route 53 by the following steps.
* Opened console – Route 53 – Registered domain – Register domain – created Ahmedproject.click which was available. After this I accepted the terms and condition and had to wait for the domain registration to be completed.
* Go to Amazon S3 – create a bucket (to host website) – type in domain name that used to register – choose to closest region to you to reduce latency – scroll down uncheck block public access, so users have access to your bucket and its accessible to the public.
* Once bucket is created – click into and select upload the website which in this case it’s a demo (single page – index.html) – make sure this bucket is enable for static website hosting and making sure it has the right permission for users to access it.
* Scroll down to static website hosting – enable it – type index.html in the index document and save changes.
* On permissions attach a bucket policy

Now its configured for the website for it to be publicly accessible for viewers and it should be hosted on Amazon S3.

As you can you see it’s not your custom URL but an Amazon provided URL , so we need to redirect AhmedProject.click to this S3 project. To do this, we must:

* Go back Route 53 – hosted zone – click our domain name.
* Add an additional record to make sure the bucket is connected to the Route 53 domain name.
* Click create record – choose simple routing policy – next – define simple record – type in for the value alias to S3 website endpoint – For the region where you hosted your bucket – select S3 endpoint – create record.

It will take few minutes to for the changes to occur.

Conclusion

In summary what I did was create a S3 bucket, uploaded my website content and connected it to a custom domain name. So that when users type my domain name into the browser, they can view the website.

User - Route 53 – S3 bucket

1. Create a custom domain name using amazon Route 53.
2. Use an Amazon S3 bucket to host sample website.
3. Enable static website hosting and direct domain to the S3 bucket.