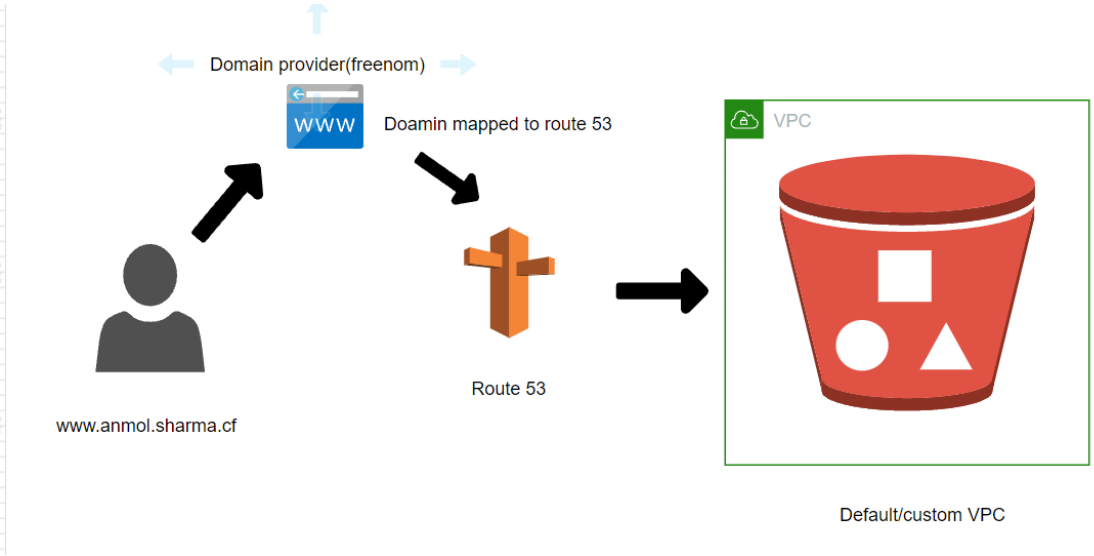
Project 1: Static Website Hosting

This project was a tier 1 project created during my training with Radical Technologies.

Architecture:



Components used:

1)Domain provider: Freenom

2) Amazon S3

3)Route 53

Steps:

>Create a bucket with same name as your domain.

>Create sample index file on your computer (notepad> write some lines> save as > all files and name as index.html), this will serve as a code to our website

>Upload this file to the to the bucket

>Make this file as public (object needs to be public to have a global access)

>Go to bucket properties > go to static website hosting > set the name in the “index document” field (as index.html)> hit save

>We need to add a bucket policy to this bucket, bucket policies were taken down from the internet directly. Following procedure was carried out:

Type in sample bucket policy in google > Get the bucket policy (my case “Granting read-only permission to an anonymous user) > Copy the bucket policy

>Go to permissions for bucket > Go to bucket policy > Paste this bucket policy

Note: Please update your bucket name in the policy before pasting it in policy section.

>Once the above steps are completed, Navigate to route 53

>Go to DNS management and Hit “Create hosted zone”

>Type the same domain name as your domain

>Once this is created, there will a set of nameservers that will come up in the console, make a note of these NS

>Go to Freenom (domain provider)

>Update your name servers from the AWS route 53 sections

>Once you finish updating the NS on the Freenom.

>Once you have updated the NS, go to route 53 in AWS and Hit “Create record set” > set Alias target = Yes > Alias target = bucket which was created in S3 > Hit Save

After the above-mentioned steps were completed, we were able to hit our website from our computer