Deploy HTML Template on HA Architecture with images stored in EFS, Mapped to domain with HTTPS access and monitored using CloudWatch & notification received using SNS.

Description:

- Deploy Moso-Interior template on Ubuntu based instances launched in 2 different AZs with a Load balancer in front of them and Autoscaling enabled.
- The images of the template should be stored in efs volume.
- This should be created in your own VPC with 2 Public Subnets, Internet Gateway, but no Private Subnets.
- Monitor the instances in Autoscaling group using CloudWatch and receive notifications through SNS.
- Map the load balancer to a domain (registered in AWS Route53 or godaddy.com or namecheap.com)
- Add the SSL/TLS certificate for https protocol and add to the https listerner in load balancer.

Hints:

- Follow VPC practical and create a VPC, Internet Gateway, 2 Public Subnets (no need to create private subnets), Route Table with route through Internet Gateway and 2 public subnets associated to it.
- Follow the Autoscaling practical for AutoScaling and Application Load Balancer.
- For this, create a security group in the newly created VPC and use it to launch an instance in same newly created VPC.
- Deploy Moso-Interior template.
- Create EFS volume and mount it permanently in above instance to store the images of the template.
- Access the Moso-Interior template.
- Create AMI (image) of the instance and use it in creating the Launch Template (first step in Autoscaling practical)
- Follow the remaining steps of Autoscaling practical
- In Autoscaling practical monitor using cloudwatch and add SNS topic with a subscription to receive notifications.
- Register a domain in AWS Route53 and the hosted zone will be created.
  [OR]
- Register the domain in godaddy.com/namecheap.com, then created a hosted zone for the domain and change the nameservers in godaddy.com/namecheap.com to the values of NS record in hosted zone.
- Create a A record to route the traffic to load balancer
- Create a SSL/TLS certificate and validate it in Amazon Certificate Manager (ACM)
- Add the listener for https in load balancer