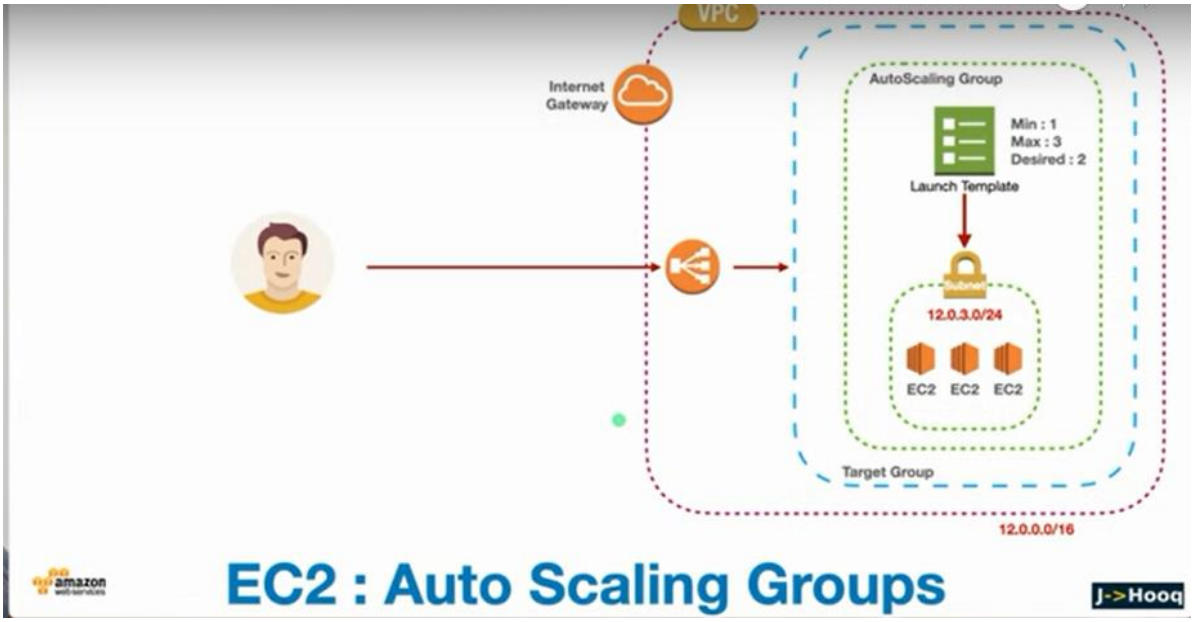
Program-10

Demonstrate auto scaling group concept in cloud



In auto scaling predefine the Min, Max and desired nunber of EC2 instances to vary inbetween to avoid the running of constant number of EC2 instances and increase the number of instances only when required.

Step 1: Create a VPC

Step 2: Create an Internet Gateway (IGW) and attach to VPC

Step 3: Create TWO public subnets

Step 4: Create Routing Table and attach to both the subnets and make RT accessable in internet

Step 5: Create target group, Launch Template

EC2→ load balancing→ Target group → create target group→ instances→target name→create target group
Loadbalancer → laodbalcer name→ internet facing→ select the created VPC→ Select both the subnets → security group→ new scurity group→ Add rule → HTTP→0.0.0.0/0→ create security group→ Listner and routing → Select the Target Group→create loadbalncer

Left side Autoscaling→ Name of Autoscaling group→ Launch Template →Template name→choose AMI→instance type → Keypair→ Network settings→ subnet→ Security group→VPC→Security group→ Add rule→ bothHTTP & SSH→ Auto assignpublic IP→enable → Advanced Detail → Type the commands for update, install apache 2 and create index file → Create launch template→Auto scaling group specify the name of the template created → Attach to existing loadbalncer → choose the created target group→ choose Turn On Elastic Loadbalancing health checks → Next→ Configure group size → specify Desired capacity→ Min → Max→ Next→ Create auto scaling group Loadbancer → click on loadbancer id → Copy the DNS → Goto newab in browser and paste

Checking working of Autoscaling by terminating one of the terminals

Reference video: https://www.youtube.com/watch?v=LrVWHCWnecI