CLOUD TRAIN
ACCELERATE YOUR GROWTH

ASSIGNMENT - MODULE 3

AUTO SCALING, LOAD BALANCING & ROUTE 53

AWS Workshop

Contact us

TO ACCELERATE YOUR CAREER GROWTH

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Exercise 1: Classic Load Balancer (CLB)

a) Create and configure a Classic Load Balancer following hands-on doc
b) Assign security group with appropriate inbound rules to this LB
c) Configure Health check rule for the Load Balancer created
d) Register a running EC2 instance (Preferably from Module 1 Exercise) with this Load Balancer and try to access the webpage using Load Balancer IP or DNS.

Exercise 2: Application Load Balancer (ALB)

a) Create and configure an Application Load Balancer following hands-on doc
b) Assign security group with appropriate inbound rules to this LB
c) Configure Health check rule for the Load Balancer created
d) Register a running EC2 instance (Preferably from Module 1 Exercise) with this Load Balancer and try to access the webpage using Load Balancer IP or DNS.

Exercise 3: Auto Scaling Group (ASG)

a) Create and configure Launch Configuration to attach with Auto Scaling Group following hands-on doc. Use custom AMI that you created in Module 1 Exercise 2 that will deploy webpage with EC2.
b) Create an Auto Scaling Group using this Launch configuration with minimum capacity = 1, desired capacity = 2 and maximum capacity = 4.
c) Test that desired number of instances are spinning up as part of ASG setup in EC2 dashboard.

Exercise 4: Attach ALB with Auto Scaling

a) Use the ALB created in Exercise 2 to attach to the ASG we created in Exercise 3.
b) Attach it to the Auto scaling group and test if its able to forward the traffic to running EC2 instances behind ASG.

NOTE: DELETE ALL THE RESOURCES CREATED TO AVOID UNNECESSARY COSTS IN YOUR AWS ACCOUNT