CLOUD TRAIN
ACCELERATE YOUR GROWTH

ASSIGNMENT - MODULE 8

AWS LAMBDA, BEANSTALK & CLI

AWS Workshop

Contact us

TO ACCELERATE YOUR CAREER GROWTH

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Exercise 1: Elastic Beanstalk

a) Follow the hands-on document for python sample app deployment and deployment a NodeJS sample app on Elastic Beanstalk.
b) Test the application is accessible on browser.
c) Download the sample node.js zip file from nodejs.zip (https://docs.aws.amazon.com/elasticbeanstalk/latest/dg/samples/nodejs.zip) and upgrade your application that you deployed in first step.
d) Test the application again that it is accessible on browser.
e) Update the configuration of Elastic Beanstalk cluster as below:
    i. In the **Capacity** configuration category, choose **Edit**.
    ii. In the **Auto Scaling group** section, change **Environment type** to **Load balanced**.
    iii. In the **Instances** row, change **Max** to **3**, and then change **Min** to **2**.
    iv. Observe the changes in environment due to changes in the capacity and test the updated application.

Exercise 2: AWS CLI

Use AWS CLI that you configured earlier to perform below tasks:

a) Create a S3 bucket with any unique name on AWS S3 using CLI and upload some files to it using management console once created.
b) Use CLI to list the uploaded files and permissions on it. Also check, if your bucket if public facing or not.
c) Now, create an EC2 instance using AWS CLI and using CLI only describe, terminate, stop and start your instance.

Note: Use below link to AWS CLI cheat sheet to complete above tasks:
https://gist.github.com/apolloclark/b3f60c1f68aa972d324b

Exercise 3: AWS Lambda

a) Create and configure a Lambda function to deploy sample python app and test it as mentioned in hands-on document.
b) Invoke your Lambda function multiple times using varying inputs and verify the test results.
c) Monitor the function metrics and observe the usage pattern.

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