Phase 5

Lesson 3

**Deploy Application on Cloud**

**Write up:**

**objective:**

As a developer, deploy your Spring Boot application on Cloud.

**problem statement:**

You have been assigned a new task during the sprint planning. You have been asked to deploy your Spring Boot application on the Cloud. You need to create and launch an instance, provide all the required privileges, and run your application.

**1:** create an ec2 instance.

* Go to aws console and select launch instances
* Then follow 7 steps to create instance

Step1: choose AMI 🡪 Amazon Linux

Step2: choose instance type 🡪 t2.micro

Step3: configure the instance 🡪 select necessary details and click next

Step4: add storage 🡪 add the volume for storage required

Step5: add tags 🡪 give the key and value

Step6: configure security group 🡪 generate new key pair and download it .

Step7: review 🡪 once review the instance and then launch the instance.

**2:** select your angular application and generate the build file using **ng build**

**3:** And make that build file to zip file.

**4:** create a bucket in the aws console and add the zip file to it.

**5:** Assign the s3 read only IAM role to the instance so that user can able to download the file from the S3 bucket.

**6:** open the ec2 instance in the linux terminal mode.

* run this command to install the zip file

$ aws s3 cp s3://deployingangularapp/Personal-Portfolio-Angular.zip .

* to unzip:

$ unzip Personal-Portfolio-Angular.zip –d /var/www/html

**7:** copy the instance public IP address and browse it.