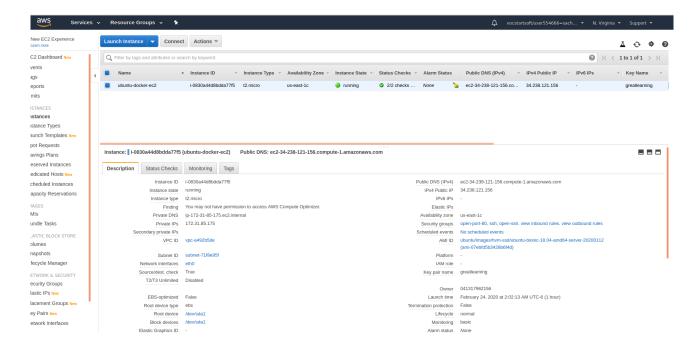
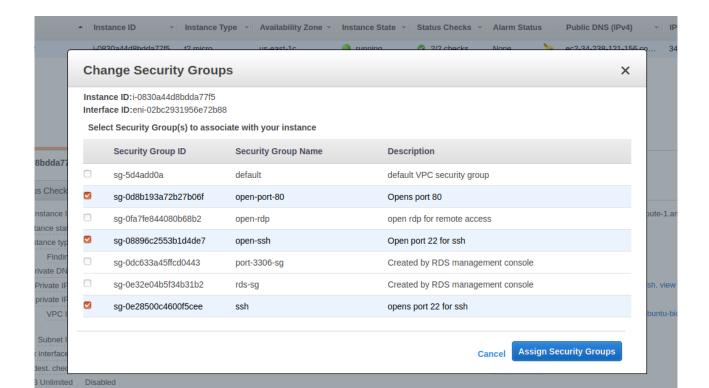
Project 3

Task 1 Local Docker Setup, Docker Image, Dockerfile and Push the image to cloud Steps:

1. Create an ec2 ubuntu instance.



2. Open port 22, 80, 8080 in security groups and assign it to this ec2 instance.



- 3. ssh in this ec2 instance
- 4. sudo apt-get update
- 5. sudo apt install docker.io
- 6. sudo usermod -aG docker ubuntu
- 7. bash
- 8. exit
- 9. ssh again
- 10. docker version
- 11. sudo chown ubuntu:ubuntu -R /opt
- 12. ls -al /opt/
- 13. cd /opt/
- 14. mkdir myapp
- 15. cd myapp/
- 16. download war file

wget https://storage.googleapis.com/skl-training/aws-codelabs/aws-intro/ HelloWorld.war

17. create Dockerfile - touch Dockerfile

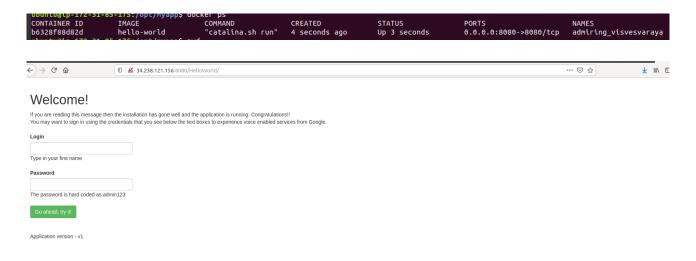
FROM tomcat:jre8
MAINTAINER Janit Sachdeva
COPY HelloWorld.war /usr/local/tomcat/webapps/

- 18. Build the docker image \rightarrow docker build -t hello-world.
- 19. docker images

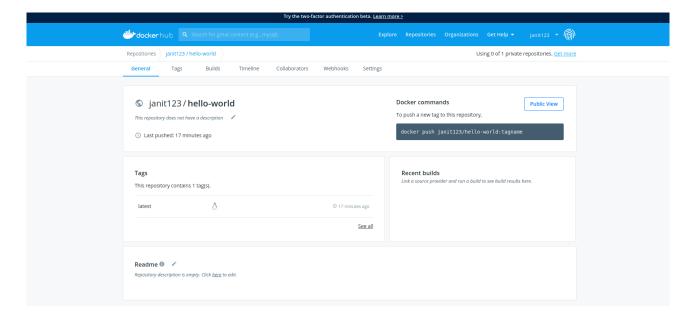
Jbuntu@ip-172-31-85-175:/opt/myapp\$ docker images				
REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
nello-world	latest	9dd633996c70	10 seconds ago	473MB
tomcat	jre8	3639174793ba	9 months ago	463MB

20. docker run -d -p 8080:8080 hello-world

21. docker ps



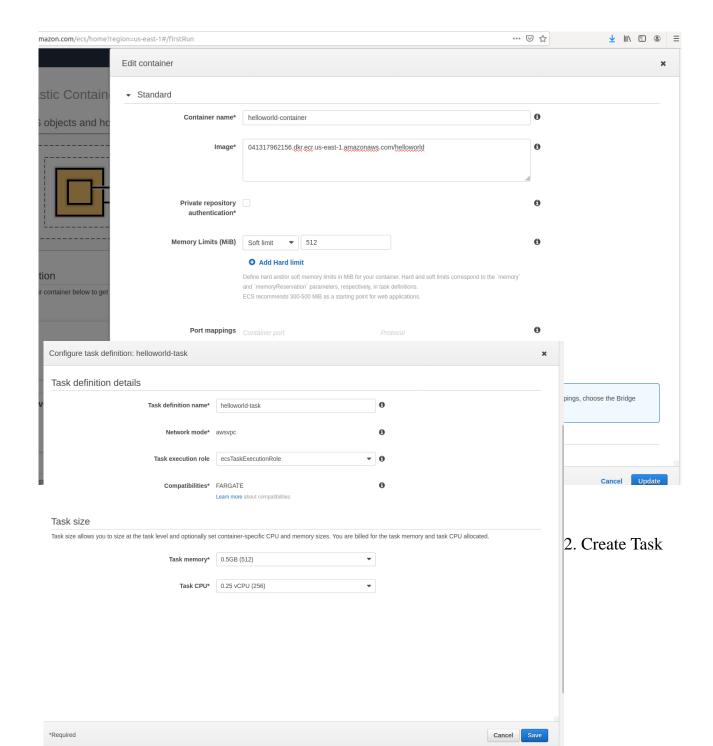
22. Create dockerhub repository



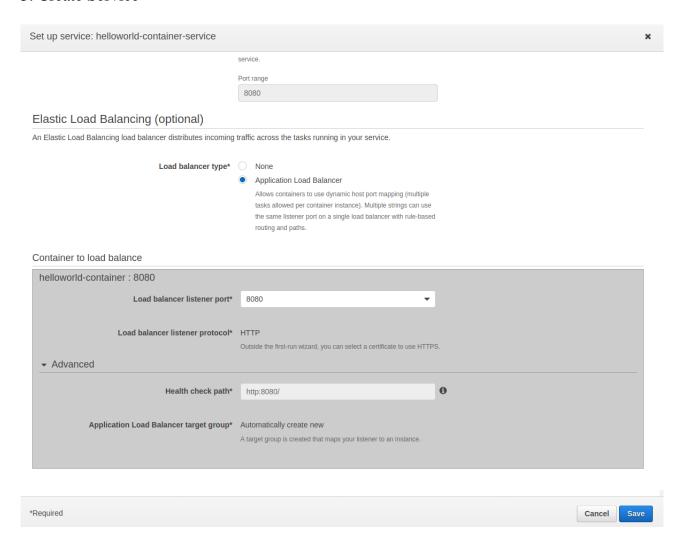
- 23. docker login
- 24. Tag the image -- sudo docker image tag hello-world janit123/hello-world
- 25. Push the image to dockerhub public repo --- **sudo docker image push janit123/hello-world**

Task 2: Setup Fargate ECS and run the Docker Image

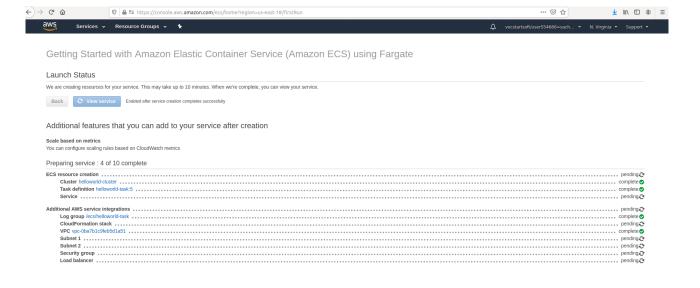
1. Create Container---- helloworld-container



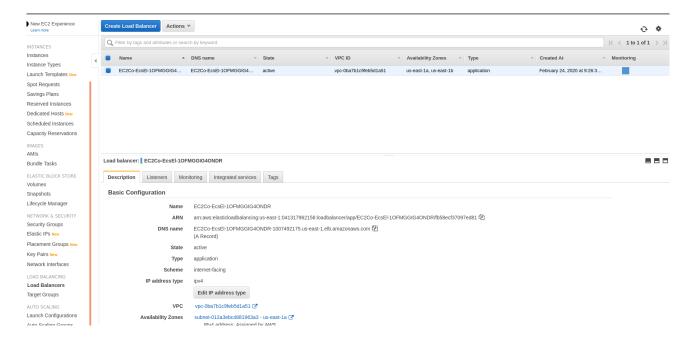
3. Create Service



4. Create Cluster and save



5. Load Balancer and Target Group created



6. Open web application in browser using load balancer DNS

You may want to sign in using the credentials that you see below the text boxes to experience voice enabled so
Login

Type in your first name

Password

The password is hard coded as admin123

Go ahead, try it!

Application version - v1