

Dockerizing JAVA application

SSH to your AWS Workstation

ssh devops@<public-ip-addr> of your Workstation

Password is : Dev0p\$!!/

Replace <your-name> with your name throughout the lab.

1. SSH to your AWS Workstation.

```
$ sudo su
```

2. Clone the Gitrepo that contains the python code.

```
# cd /home/devops/Docker/  
# git clone https://github.com/LovesCloud/java-docker.git
```

```
# cd java-docker/  
# mvn clean  
# mvn package
```

3. Now create a Dockerfile to Dockerize the JAVA application

```
# vim Dockerfile
```

Add the below content to the Dockerfile

```
FROM tomcat:8.0.51-jre8-alpine  
COPY target/ /target  
CMD java -jar /target/dependency/webapp-runner.jar /target/*.war
```

(:wq Save and Exit)

4. Build the docker image by running the below command.

```
# docker build . -t java-app-<your-name>  
# docker images
```

```
root@ip-172-31-34-212:/home/devops/java-docker# docker images  
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE  
java-app             latest             8f5da9fb0ae4       6 seconds ago     123MB
```

5. Run a Docker container from the created Image.

```
# docker run -d -p 80:8080 --name <your-name>-java-app java-app-<your-name>  
# docker ps
```

The JAVA Docker Container running on port 80, and can be accessed from the public IP of your AWS Workstation on default Port 80

```
http://<Public-IP-Workstation>
```



STOP THE CONTAINER BEFORE PROCEEDING TO THE NEXT LAB

6. Stop the Docker container by running the below command

```
# docker stop <your-name>-java-app
```