Containerization, Docker, and Docker Hub

SUBMITTED BY: ADESH ARUN ADHAV

SUBMITTED TO: MR. VIKUL SIR

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L2 - Create the Container using the same Application Image and run the application in a Web Browser using container port mapping

STEP 1: LAUNCH EC2 INSTANCE

CONFIGURE THE INBOUND RULE(1312)

STEP 2: CONNECT INSTANCE

STEP 3: ADD GIT REPOSITIRY TO THE MACHINE

Clone the repository

Git clone https://github.com/adesh8484/addressbook-cicd-project

- Remove unneccesrory file (rm file name)
 - Apt update
- Apt install openjdk-17-jdk -y
 - Apt install maven
 - Mvn package
 - Apt install docker.io

STEP 4: CREATE DOCKER FILE

vi Dockerfile

[FROM tomcat:9

COPY target/*.war /usr/local/tomcat/webapps/addressbook.war EXPOSE 8080

CMD ["catalina.sh","run"] }

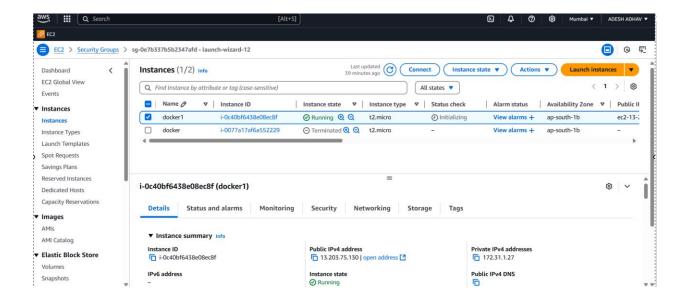
STEP 5: CREATE IMAGE

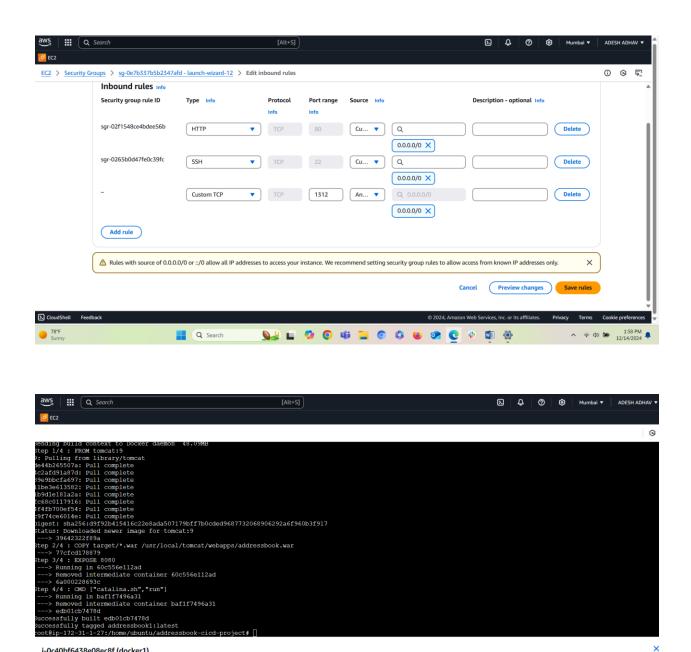
Docker build -t addressbook1

STEP 6: CRAETE CANTAINER

Docker run -it -p 1312:8080 addressbook1

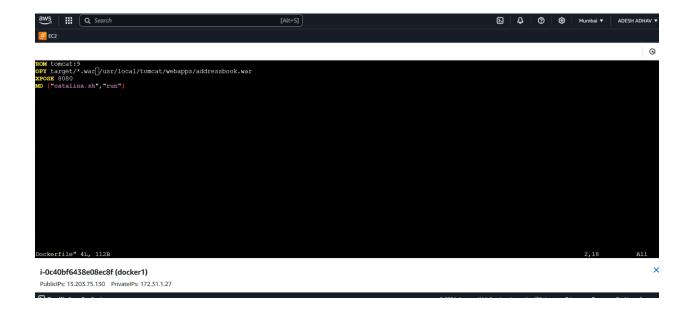
• HERE MAPPING TAKE PLACE FROM 8080 TO 1312

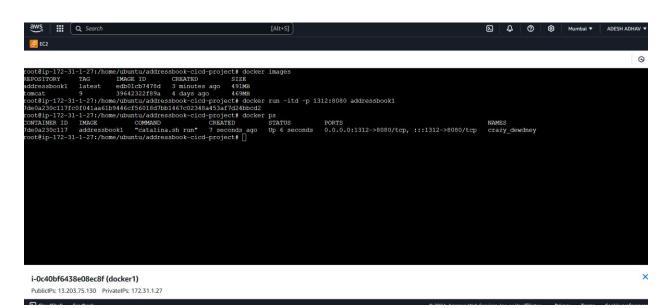


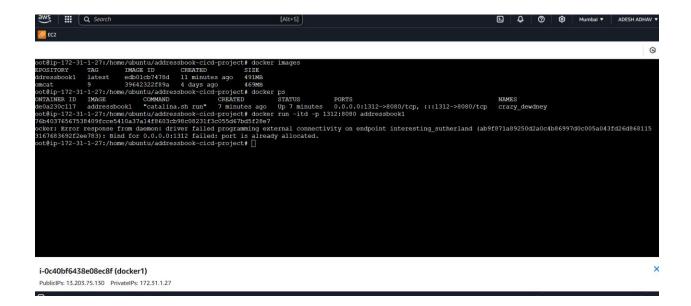


i-0c40bf6438e08ec8f (docker1)

PublicIPs: 13.203.75.130 PrivateIPs: 172.31.1.27 CloudShall Feed







IP ADDRESS http://13.203.75.130:1312/addressbook/

