# **Containerization, Docker, and Docker Hub**

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**BATCH NO. SA240931** 

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L1 - Create Docker file and build the docker container Application Image for the application build in Jenkins Module

## **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 <a href="https://github.com/adesh8484/addressbook-cicd-project">https://github.com/adesh8484/addressbook-cicd-project</a>

- 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

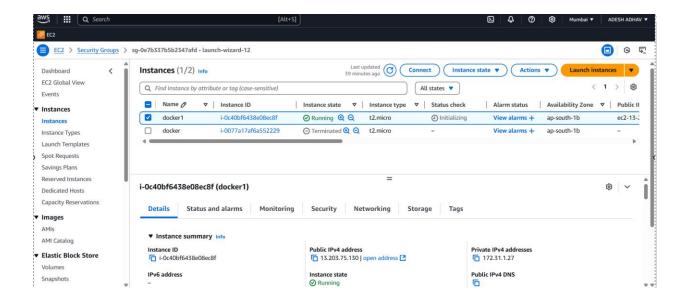
CMD ["catalina.sh","run"] }

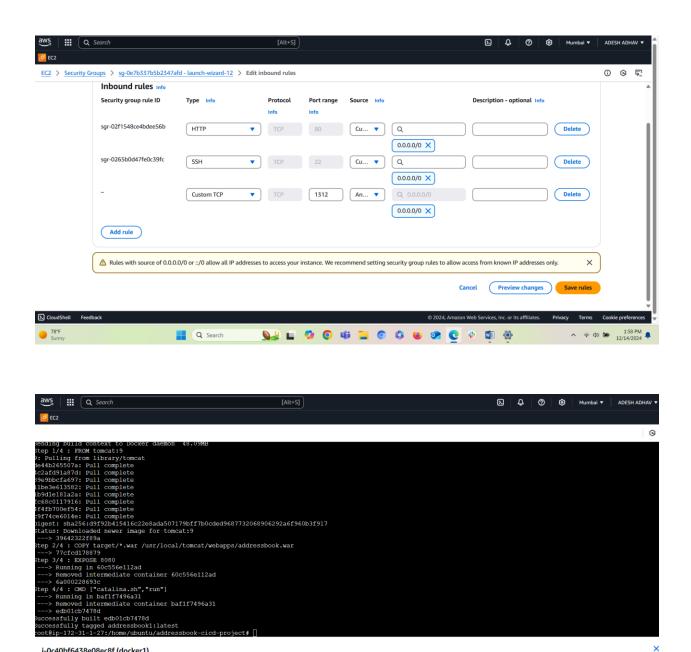
#### STEP 5: CREATE IMAGE

Docker build -t addressbook1

### STEP 6: CRAETE CANTAINER

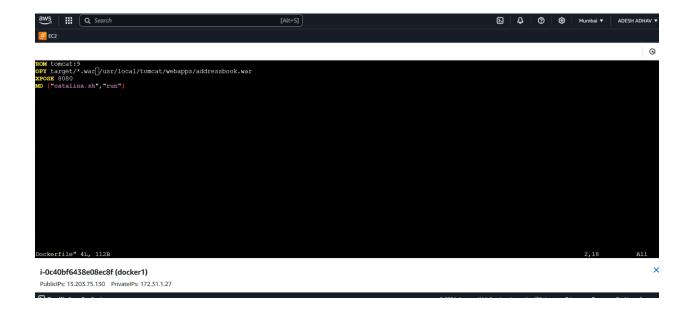
Docker run -it -p 1312:8080 addressbook1

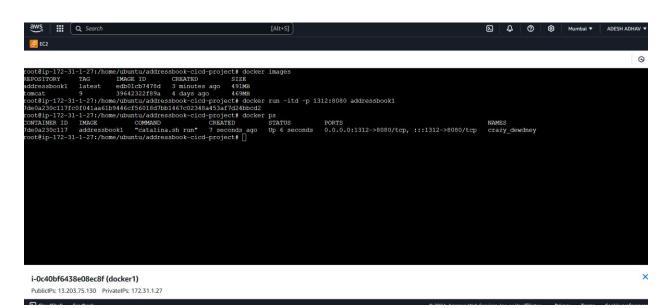


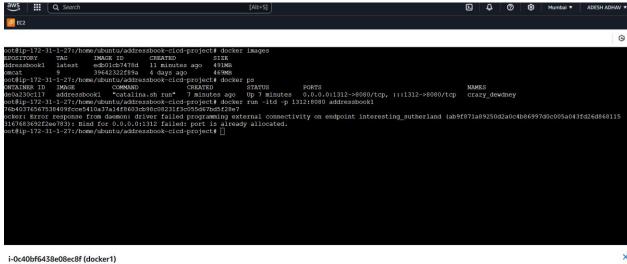


i-0c40bf6438e08ec8f (docker1)

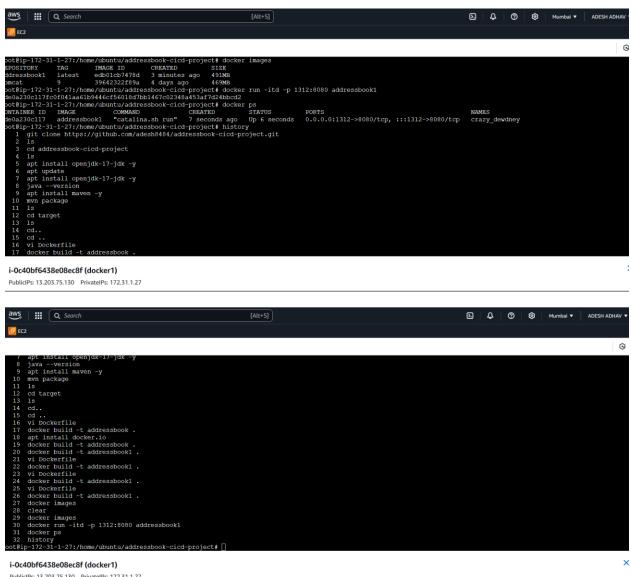
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