mkdir dockerfile

cd dockerfile/

vi Dockerfile

# Set the base image to Ubuntu

FROM ubuntu:18.04

# Update the repository sources list

RUN apt-get update

################## BEGIN INSTALLATION ######################

# Install opejdk

RUN apt-get install -y default-jdk

# install git and maven

RUN apt-get install -y git maven

# Create the default data directory

RUN mkdir -p /data/

# switch to new directory

WORKDIR /data

# perform git clone

RUN git clone https://github.com/anilbidari/CloudenabledWebApp.git

# switch to cloudenabledwebapp directory

WORKDIR /data/CloudenabledWebApp

# use maven to package

RUN mvn package

# install tomcat7

RUN apt-get install -y tomcat8

# switch to cloudenabledwebapp directory

WORKDIR /data/CloudenabledWebApp/target/

# copy war file

RUN cp /data/CloudenabledWebApp/target/CloudenabledWebApp.war /var/lib/tomcat8/webapps/

# Expose the default port

EXPOSE 8080

# Default port to execute the entrypoint

CMD ["--port 8080"]

# Set default container command

ENTRYPOINT /bin/bash

##################### INSTALLATION END #####################

docker build -t my-webapp .

docker images

docker run -itd --name web-host -p 5004:8080 my-webapp

docker exec -it web-host service tomcat8 start

52.15.60.226:5004/CloudenabledWebApp

