**Steps to Make Docker File qualstra**

-Compiled by Siva S

1. Clone from Git

clone from git and checkout to develop branch

git clone https://github.com/qualstra/Qualstra-2.0.git

git clone https://github.com/vijayjeyam/infra.git

cd Qualstra-2.0

git checkout develop

Check app.yml and infra.yml and .env in infra folder for all the properties variables and values and modify for your requiremnet.

2. Build the docker image

build docker images file Qualstra 2.0

cd {dir of qualstra 2.0}

mvn clean install -DskipTests -P docker

build docker images for infra

cd {dir of infra}

mvn clean install -DskipTests -P docker

build docker images for q2ui

first ng build q2ui, then use blow cmds to copy to docker

cd {dir of q2ui}

docker build -t dev/q2ui:latest .

build docker images for h2

docker build -t qualstradbqa:2.0 .

3. Run the container

#give this one time command to create infra

docker network create infra

Now, we have to run the container using app.yml and infra.yml

cd infra

docker compose -f infra.yml up -d

docker compose -f app.yml up -d

To copy local war to docker

docker cp application-2.0.0.war APP:/maven/application-2.0.0.war

in linux. Set export options

Please use the below commands to set Java and Maven in your env variables  
  
  
Java 8  
export JAVA\_HOME=/usr/share/java/java8/jdk1.8.0\_202/  
export PATH=$PATH:/usr/share/java/java8/jdk1.8.0\_202/bin  
  
  
  
  
Java 17  
export JAVA\_HOME=/usr/share/java/java17/jdk-17.0.10/  
export PATH=$PATH:/usr/share/java/java17/jdk-17.0.10/bin  
  
  
  
Maven 3.9  
export M2\_HOME=/usr/share/maven/apache-maven-3.9.6  
export PATH=$PATH:/usr/share/maven/apache-maven-3.9.6/bin

Clone git as Devserver in Linux

Hi team,

Please copy the ssh files from the location /home/devserver to you home directory location ~/.ssh folder

i.e execute the following lines in putty

This is only a one time command. Should not run everytime.

1) cd ~/.ssh

2) cp /home/devserver/ssh/\* .

3) chmod 600 id\_rsa

and try the comand below.

ssh -T git@github.com

You must get the following output

Hi devenochshipping! You've successfully authenticated, but GitHub does not provide shell access.

#after checkout run the command

chgrp -R enoch-user /home/devserver

chmod -R g+w /home/devserver