docker network create tomcat-db

docker run -dt -p 8030:8080 --network tomcat-db --name tomcat ubuntu:latest

docker exec -ti tomcat bash

apt update -y && apt upgrade -y

apt install openjdk-8-jdk

apt install wget

cd /opt

wget <https://archive.apache.org/dist/tomcat/tomcat-7/v7.0.56/bin/apache-tomcat-7.0.56.zip>

apt install unzip

unzip apache-tomcat-7.0.56.zip

mv apache-tomcat-7.0.56 tomcat

cd tomcat/bin/

chmod +x \*.sh

./startup.sh

exit

docker cp db.jsp tomcat:/opt/

docker exec -ti tomcat bash

cd /opt/

mv tomcat/webapps/ROOT/index.jsp tomcat/webapps/ROOT/index.jsp.bak

mv db.jsp tomcat/webapps/ROOT/index.jsp

cd /opt

wget <https://dev.mysql.com/get/Downloads/Connector-J/mysql-connector-java-5.1.47.zip>

unzip mysql-connector-java-5.1.47.zip

cd mysql-connector-java-5.1.47

mv \*.jar /opt/tomcat/lib/

/opt/tomcat/bin/shutdown.sh

/opt/tomcat/bin/startup.sh

exit

docker run -dt --network tomcat-db --name db ubuntu:latest

cd /tmp

docker cp cloud.sql db:/tmp/

docker exec -ti db bash

apt update -y && apt upgrade -y

apt install mariadb-server

service mysql start

mysql -u root mysql

set password for root@localhost=password('password');

flush privileges;

create user 'cloud'@'%' identified by 'password';

grant all privileges on \*.\* to 'cloud'@'%';

flush privileges;

create database cloud;

use cloud;

source /tmp/cloud.sql;

exit;

exit

docker exec -ti db bash

apt install vim

vim /etc/mysql/mariadb.conf.d/50-server.cnf

bind-address = 0.0.0.0

:wq

service mysql restart

exit

docker exec -ti tomcat bash

apt install iputils-ping

ping db

apt install vim

cd /opt

vim tomcat/webapps/ROOT/index.jsp

String host="jdbc:mysql://db/cloud";

String user="cloud";

String pw="password";

docker commit tomcat ubuntu-tomcat:0.1

cd ~

mkdir ubuntu-tomcat

cd ubuntu-tomcat

vim Dockerfile

FROM ubuntu-tomcat:0.1

MAINTAINER SeungHee Park <7510543@gmail.com>

CMD /opt/tomcat/bin/startup.sh && /bin/bash

:wq

docker build --tag ubuntu-tomcat:0.2 .

docker run -dt -p 8040:8080 --name tomcat-auto-start ubuntu-tomcat:0.2

vim /etc/nginx/sites-available/tomcat

server {

listen 80;

listen [::]:80;

server\_name tomcat.cleverguyz.com;

location / {

proxy\_pass http://localhost:8040;

}

}

:wq

service nginx restart

docker stop tomcat-auto-start

docker rm tomcat-auto-start

docker run -dt -p 8040:8080 --network tomcat-db --name tomcat-auto-start ubuntu-tomcat:0.2

<https://github.com/>

<https://hub.docker.com/>

docker login

docker tag ubuntu-tomcat:0.2 p7510543/ubuntu-tomcat:latest

docker push p7510543/ubuntu-tomcat:latest

docker run -dt -p 8040:8080 --network tomcat-db --name tomcat-auto-start p7510543/ubuntu-tomcat:latest