**Pipeline code:**

pipeline {

tools {

jdk 'myjava'

maven 'mymaven'

}

agent any

environment {

DOCKERHUB\_CREDENTIALS=credentials('dockerhub-credential')

}

stages {

stage ('#1 Clone Repository') {

steps {

git 'https://github.com/Sonal0409/DevOpsCodeDemo.git'

}

}

stage ('#2 Compile ') {

steps {

sh 'mvn compile'

}

}

stage ('#3 UnitTest ') {

steps {

sh 'mvn test'

}

}

stage ('#4 Package ') {

steps {

sh 'mvn package'

}

}

stage ('#5 Create Dockerfile') {

steps {

sh 'cp /var/lib/jenkins/workspace/DevOps\_CertCode/target/addressbook.war . '

sh 'touch Dockerfile'

sh 'echo "FROM tomcat:9" > Dockerfile '

sh 'echo "LABEL maintainer: \"kwabena81@yahoo.com\"" >> Dockerfile '

sh 'echo "ADD addressbook.war /usr/local/tomcat/webapps/ " >> Dockerfile '

sh 'echo "EXPOSE 8082 " >> Dockerfile '

sh 'echo "CMD [\"catalina.sh\", \"run\"]" >> Dockerfile '

}

}

stage('#6 Docker Build') {

steps {

sh 'sudo docker build -t kwabena81/tomcat-image .'

}

}

stage('#7 Docker Hub Login') {

steps {

sh 'echo $DOCKERHUB\_CREDENTIALS\_PSW | sudo docker login -u $DOCKERHUB\_CREDENTIALS\_USR --password-stdin'

}

}

stage('#8 Docker Hub Push') {

steps {

sh 'sudo docker push kwabena81/tomcat-image'

}

}

}

post {

always {

sh 'sudo docker logout '

}

}

}

-------------------------------------------

***etc/ansible/hosts***

[all:vars]

#ansible\_connection=ssh

#ansible\_port=22

#ansible\_ssh\_user=provision

#ansible\_ssh\_pass=provision

#ansible\_user\_pass='$6$hmgteFNLkTP4/2PP$YWLtDgaafVcFg8AxEA0zp/heJRoCrF0xYTj5p8hAAKJEetD8gpe6j10EiCwXs7OYiI.eUIFuLxZyzhSBB3/ET0'

ansible\_python\_interpreter=/usr/bin/python3

[ubuntuvms]

#server1 ansible\_host=192.168.2.156 ansible\_ssh\_user=provision ansible\_ssh\_pass=provision

server2 ansible\_host=192.168.2.159 ansible\_ssh\_user=provision ansible\_ssh\_pass=provision # ubuntu

#server5 ansible\_host=192.168.2.157 # sas-ops

[centosvms]

server3 ansible\_host=192.168.2.31 # EliteBook

server4 ansible\_host=192.168.2.160 # vm\_centos

==========================

sasops@sas-ops /etc/ansible 18:53:39

ansible ubuntuvms -m ping

server1 | SUCCESS => {

"changed": false,

"ping": "pong"

}

server2 | SUCCESS => {

"changed": false,

"ping": "pong"

}