Zip file contains:

**1) Dockerfile**

**2) Ansiblebook files (.yml)**

**3) samplejavaapp source code**

**4) pem files to access Jenkins Server and PROD node**

**5) README.doc File**

Server/Repository Details

Jenkins Server: http://3.128.203.154:8080/

Jenkins credentials: admin/admin

Git Repository

<https://github.com/prabhu2527/project2.git>

Docker hub repository

**prabhu2527/samplejavaapp**

**Application running in PROD**

**http://3.15.155.57:30640/sampleapp/**

Jenkins Server SSH Access:

ssh -i "demo.pem" ubuntu@ec2-3-128-203-154.us-east-2.compute.amazonaws.com

QAMasterNew:

ssh -i "PROD.pem" [ubuntu@ec2-3-15-156-139.us-east-2.compute.amazonaws.com](mailto:ubuntu@ec2-3-15-156-139.us-east-2.compute.amazonaws.com)

QAWorkerNew:

ssh -i "PROD.pem" ubuntu@ec2-3-15-38-166.us-east-2.compute.amazonaws.com

PRODMasterNode:

ssh -i "PROD.pem" [ubuntu@ec2-3-15-155-57.us-east-2.compute.amazonaws.com](mailto:ubuntu@ec2-3-15-155-57.us-east-2.compute.amazonaws.com)

PRODWorkerNode:

ssh -i "PROD.pem" ubuntu@ec2-3-131-151-148.us-east-2.compute.amazonaws.com

PROJECT2 CICD PIPELINE Configuration

Codereview

cd $WORKSPACE/samplejavaapp

/opt/apache-maven-3.8.1/bin/mvn -P metrics pmd:pmd

unittest

cd $WORKSPACE/samplejavaapp

/opt/apache-maven-3.8.1/bin/mvn test

codecoverage

cd $WORKSPACE/samplejavaapp

/opt/apache-maven-3.8.1/bin/mvn cobertura:cobertura -Dcobertura.report.format=xml

Package

cd $WORKSPACE/samplejavaapp

/opt/apache-maven-3.8.1/bin/mvn package

cd /var/lib/jenkins/workspace/package/samplejavaapp

sudo docker build --file Dockerfile --tag prabhu2527/samplejavaapp:$BUILD\_NUMBER .

sudo docker login -u prabhu2527 -p $DOCKER\_HUB\_PWD

sudo docker push prabhu2527/samplejavaapp:$BUILD\_NUMBER

deploy.qa

cd $WORKSPACE/samplejavaapp/deploy

sudo ansible-playbook --inventory /etc/ansible/myinv\_project2 deploy-kube.yml -u ubuntu --private-key /etc/ansible/PROD.pem --extra-vars "env=qa build=$package\_build\_number"

deploy.PROD

cd $WORKSPACE/samplejavaapp/deploy

sudo ansible-playbook --inventory /etc/ansible/myinv\_project2 deploy-kube.yml -u ubuntu --private-key /etc/ansible/PROD.pem --extra-vars "env=prod build=$pbn"

PLS NOTE: Jenkins server is very slow due to capacity constraint

Snapshots

























































