Zip file contains:

**1) Dockerfile**

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

**3) PHP Application war file (project1.war)**

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

**5) README.txt File**

Server/Repository Details

Jenkins Server: <http://3.17.75.114:8080/>

Jenkins credentials: admin/admin

Git Repository

<https://github.com/prabhu2527/project1.git>

Docker hub repository

**prabhu2527/project1**

Testing: Tomcat Server with PHP Application deployed

<http://18.222.176.151:9080/project1/content/contact.php>

Jenkins Server SSH Access:

**ssh -i "demo.pem" ubuntu@ec2-3-17-75-114.us-east-2.compute.amazonaws.com**

QAMaster:

ssh -i "PROD.pem" [ubuntu@ec2-18-222-176-151.us-east-2.compute.amazonaws.com](mailto:ubuntu@ec2-18-222-176-151.us-east-2.compute.amazonaws.com)

QAWorkerNode:

ssh -i "PROD.pem" [ubuntu@ec2-3-12-85-187.us-east-2.compute.amazonaws.com](mailto:ubuntu@ec2-3-12-85-187.us-east-2.compute.amazonaws.com)

PRODMasterNode:

ssh -i "PROD.pem" [ubuntu@ec2-3-128-182-161.us-east-2.compute.amazonaws.com](mailto:ubuntu@ec2-3-128-182-161.us-east-2.compute.amazonaws.com)

PRODWorkerNode:

ssh -i "PROD.pem" [ubuntu@ec2-3-131-151-148.us-east-2.compute.amazonaws.com](mailto:ubuntu@ec2-3-131-151-148.us-east-2.compute.amazonaws.com)

PROJECT1 CICD PIPELINE Configuration

Job1

#puppet instllation not required

echo "hello world"

JOb2

cd /var/lib/jenkins/workspace/Job2/install

sudo ansible-playbook --inventory /etc/ansible/myinv --private-key /etc/ansible/PROD.pem Docker\_install.yml -u ubuntu --extra-vars "env=qa"

Job3

cd /var/lib/jenkins/workspace/Job3/

sudo docker build --file Dockerfile --tag prabhu2527/project1:$BUILD\_NUMBER .

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

sudo docker push prabhu2527/project1:$BUILD\_NUMBER

cd ./install

sudo ansible-playbook --inventory /etc/ansible/myinv --private-key /etc/ansible/PROD.pem Docker\_run.yml -u ubuntu --extra-vars "env=qa tag=prabhu2527/project1:$BUILD\_NUMBER"

Job4

#cleanup docker process if Job3 fails, Only runs when Job3 fails

Testing: Tomcat Server with PHP Application deployed

<http://18.222.176.151:9080/project1/content/contact.php>

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

Snapshots



























