**DeclerativePipeLine Ansible**

pipeline {

agent { label 'master' }

stages {

stage('Source') { // Get code

steps {

// get code from our Git repository

git 'https://github.com/saikrishna2653/SpringMVCHibernateCRUD.git'

}

}

stage('Compile') { // Compile and do unit testing

tools {

maven 'maven3'

}

steps {

// run Gradle to execute compile and unit testing

sh 'mvn clean install package'

}

}

stage('Deploy to Tomcat'){

steps {

sshagent(['tomcat-dev']) {

sh 'scp -o StrictHostKeyChecking=no target/\*.war ec2-user@172.31.4.144:/opt/tomcat/webapps'

sh 'ssh ec2-user@172.31.46.17 ansible-playbook /opt/playbooks/copySpringWarfile.yml'

}

}

}

}

}

**DeclerativePipeLine for Docker**

pipeline {

agent { label 'master' }

stages {

stage('Source') { // Get code

steps {

// get code from our Git repository

git 'https://github.com/saikrishna2653/SpringMVCHibernateCRUD.git'

}

}

stage('Compile') { // Compile and do unit testing

tools {

maven 'maven3'

}

steps {

// run Gradle to execute compile and unit testing

sh 'mvn clean install package'

}

}

stage('Deploy to Tomcat'){

steps {

sshagent(['tomcat-dev']) {

sh 'scp -o StrictHostKeyChecking=no target/\*.war ec2-user@172.31.33.10:/opt/docker'

sh 'ssh ec2-user@172.31.33.10 docker stop spring\_demo || true'

sh 'ssh ec2-user@172.31.33.10 docker rm -f spring\_demo || true'

sh 'ssh ec2-user@172.31.33.10 docker image rm -f spring\_demo || true'

sh 'ssh ec2-user@172.31.33.10 cd /opt/docker'

sh 'ssh ec2-user@172.31.33.10 "cd /opt/docker/;" docker build -t spring\_demo .'

}

}

}

}

}

**Docker Commands**

cd /opt/docker

docker build -t spring\_demo .

docker tag spring\_demo saikrishna2653/spring\_demo

docker push saikrishna2653/spring\_demo

docker rmi spring\_demo saikrishna2653/spring\_demo

**Docker deploy**

docker stop valaxy\_demo;

docker rm -f valaxy\_demo;

docker image rm -f valaxy\_demo;

cd /opt/docker;

docker build -t valaxy\_demo .