Jenkins Server is configured with admin user call-jenkins and password Call-jenkins1234

admin user call-jenkins and password Call-jenkins1234

docker exec -it jenkins bash  
cat /var/jenkins\_home/secrets/initialAdminPassword  
exit

sudo yum install git -y

GitHub Integration

jenkins-first-project

git clone <https://github.com/kumbwi-cw/jenkins-first-project.git> (change to your github repo address)

hello-word.py

#!/usr/bin/python

print('Hello World')

35 vi hello-word.py  
 37 python hello-word.py  
 38 git status  
 39 git add .  
 40 git status  
 41 git commit -m "First program"  
 42 git push

first-job-triggered

My first job triggered from GitHub

<http://ec2-54-160-81-14.compute-1.amazonaws.com:8080/github-webhook/>

54 vi Jenkinsfile  
 55 git status  
 56 git commit -am "Adds Jenkinsfile"  
 57 git add .  
 58 git commit -m "Adds Jenkinsfile"  
 59 git push

pipeline-from-jenkinsfile

pipeline {  
 agent { label 'master' }  
 stages {  
 stage('build') {  
 steps {  
 echo "Clarusway\_Way to Reinvent Yourself"  
 sh 'echo using shell within Jenkinsfile'  
 echo 'not using shell in the Jenkinsfile'  
 }  
 }  
 }  
}

pipeline-with-jenkinsfile-and-webhook

pipeline {  
 agent { label 'master' }  
 stages {  
 stage('build') {  
 steps {  
 echo 'Clarusway\_Way to Reinvent Yourself'  
 sh 'echo Hello World'  
 }  
 }  
 }  
}

pipeline {  
 agent { label 'master' }  
 stages {  
 stage('build') {  
 steps {  
 echo 'Clarusway\_Way to Reinvent Yourself'  
 sh 'echo Integrating Jenkins Pipeline with GitHub Webhook using Jenkinsfile'  
 }  
 }  
 }  
}

pipeline.py

[9:47](https://claruswayaws.slack.com/archives/CTSMXE52P/p1597369639314300)

print('My first python job which is run within Jenkinsfile.')

[9:48](https://claruswayaws.slack.com/archives/CTSMXE52P/p1597369688315400)

#!/usr/bin/pythonprint('My first python job which is run within Jenkinsfile.')

pipeline {  
 agent { docker { image 'python:alpine' } }  
 stages {  
 stage('run') {  
 steps {  
 echo 'Clarusway\_Way to Reinvent Yourself'  
 sh 'python3 --version'  
 sh 'python3 pipeline.py'  
 }  
 }  
 }  
}

public class Hello { public static void main(String[] args) {  
 System.out.println("Hello from Java");  
 }  
}

vi Hello.java

pipeline code

pipeline {  
 agent {  
 docker {  
 image 'maven:3-openjdk-8'  
 args '-v /root/.m2:/root/.m2'  
 }  
 }  
 stages {  
 stage('Build') {  
 steps {  
 sh 'mvn -B -DskipTests clean package'  
 }  
 }  
 stage('Test') {  
 steps {  
 sh 'mvn test'  
 }  
 post {  
 always {  
 junit 'target/surefire-reports/\*.xml'  
 }  
 }  
 }  
 stage('Deliver') {  
 steps {  
 sh 'chmod +x deliver-script.sh'  
 sh './deliver-script.sh'  
 }  
 }  
 }  
}