

DAY 5

Dashboard > tf-pipeline > #14

```
+ ls -l scripts/deploy.sh
-rwxr-xr-x 1 jenkins jenkins 131 Mar 22 04:06 scripts/deploy.sh
+ echo 🚀 Running deploy.sh...
🚀 Running deploy.sh...
+ ./scripts/deploy.sh
🚀 Deploying to Kubernetes...
deployment.apps/bookdir-app-deployment configured
service/bookdir-app-service unchanged
✅ Deployment Completed!
[Pipeline] }
[Pipeline] // script
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Declarative: Post Actions)
[Pipeline] echo
✅ Deployment Successful!
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
```

REST API Jenkins 2.492.2

krithickthangaraj / jenkins-new

Q Type Z to search

<> Code

Issues

Pull requests

Actions

Projects

Wiki

Security

Insights

Settings

jenkins-new

Public

Pin

Unwatch 1

Fork 0

Star 0

main

1 Branch

0 Tags

Go to file

Add file

<> Code

About

krithickthangaraj

add1

01ebf36 · 37 minutes ago

5 Commits

.devcontainer	add	1 hour ago
.github/workflows	add	1 hour ago
.mvn/wrapper	add	1 hour ago
k8s	add1	37 minutes ago
src	add	1 hour ago
.editorconfig	add	1 hour ago
.gitignore	add	1 hour ago
Jenkinsfile	add	1 hour ago
LICENSE.txt	add	1 hour ago
deployment.yaml	add	1 hour ago
dockerfile	add	1 hour ago
jenkinsfile1	add	1 hour ago
mvnw	add	1 hour ago

No description, website, or topics provided.

Readme

Apache-2.0 license

Activity

0 stars

1 watching

0 forks

Releases

No releases published

Create a new release

Packages

No packages published

Publish your first package

Contributors 2

krithickthangaraj

KRITHICK THANGA...

New

Introducing our new CEO Don Johnson - Read More →

docker hub

Explore

My Hub

Search Docker Hub

33+K

K

krithickthangaraj

Docker Personal

Repositories

Settings

Default privacy

Notifications

Billing

Usage

Pulls

Storage

Repositories / krithick_repo / General

Using 0 of 1 private repositories. [Get more](#)

krithickthangaraj/krithick_repo

Last pushed 15 minutes ago · Repository size: 1.2 GB

Add a description

Add a category

General

Tags

Image Management

Collaborators

Webhooks

Settings

Tags

This repository contains 10 tag(s).

Tag	OS	Type	Pulled	Pushed
latest		Image	less than 1 day	15 minutes
build-14		Image	less than 1 day	16 minutes
build-13		Image	less than 1 day	21 minutes
build-12		Image	less than 1 day	25 minutes
build-11		Image	less than 1 day	31 minutes

See all

buildcloud

Build with Docker Build Cloud

Accelerate image build times with access to cloud-based builders and shared cache.

Docker Build Cloud executes builds on optimally-dimensioned cloud infrastructure with dedicated per-organization isolation.

Get faster builds through shared caching across your team, native multi-platform support, and encrypted data transfer - all without managing infrastructure.

Go to Docker Build Cloud

Jenkins

log out

Dashboard > tf-pipeline >

Status

</> Changes

Build Now

Configure

Delete Pipeline

Full Stage View

Stages

Rename

Pipeline Syntax

Buils

Filter

Today

#14 4:15 AM

tf-pipeline

Add description

Stage View

Average stage times: (full run time: ~2min 19s)

#14 04:15 No Changes

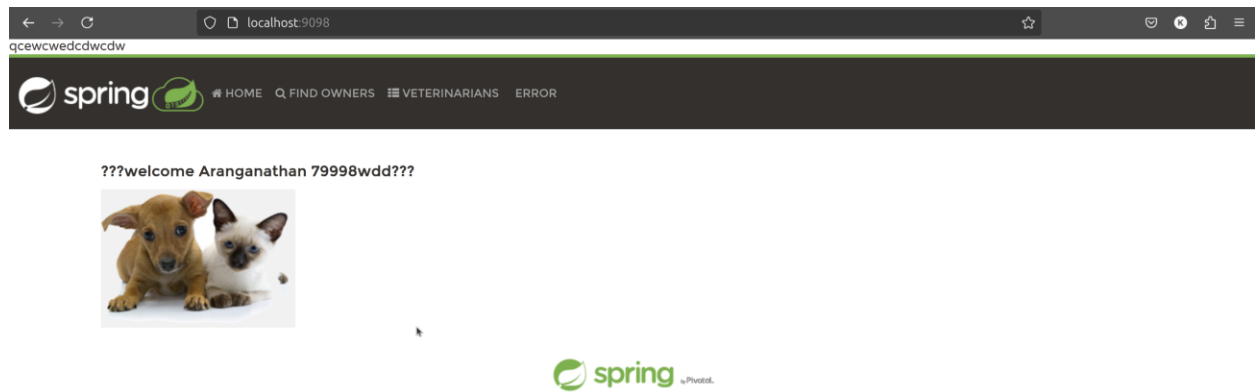
Declarative: Tool Install	Checkout Code	Build Application	Run Maven Tests	Build Docker Image	Push Docker Image	Deploy to Kubernetes	Declarative: Post Actions
81ms	911ms	11s	19s	3s	1min 42s	964ms	130ms

Permalinks

- Last build (#14), 8 min 21 sec ago
- Last stable build (#14), 8 min 21 sec ago
- Last successful build (#14), 8 min 21 sec ago
- Last completed build (#14), 8 min 21 sec ago

REST API

Jenkins 2.492.2



PIPELINE CODE:

```
pipeline { agent any
```

```
tools {  
    maven 'mvn' // Matches the configured Maven name in Jenkins  
}
```

```
environment {  
    DOCKER_IMAGE = "krithickthangaraj/krithick_repo"  
    DOCKER_TAG = "build-${BUILD_NUMBER}" // Unique tag for each build  
    DOCKER_CREDENTIALS_ID = "docker"  
    GITHUB_CREDENTIALS_ID = "github_seccred"  
    KUBECONFIG = "/var/lib/jenkins/.kube/config"  
}
```

```
stages {  
    stage('Checkout Code') {  
        steps {  
            checkout([  
                $class: 'GitSCM',  
                branches: [[name: '*/main']],
```

```
        userRemoteConfigs: [[
            credentialsId: GITHUB_CREDENTIALS_ID,
            url: 'https://github.com/krithickthangaraj/jenkin-new'
        ]]
    })
}
```

```
stage('Build Application') {
    steps {
        script {
            sh '${MAVEN_HOME}/bin/mvn clean package -DskipTests'
        }
    }
}
```

```
stage('Run Maven Tests') {
    steps {
        script {
            catchError(buildResult: 'SUCCESS', stageResult: 'FAILURE') {
                sh '${MAVEN_HOME}/bin/mvn test'
            }
        }
    }
}
```

```
stage('Build Docker Image') {
    steps {
        script {
            sh "docker build -t ${DOCKER_IMAGE}:${DOCKER_TAG} ."
        }
    }
}
```

```
stage('Push Docker Image') {
    steps {
        withDockerRegistry([credentialsId: DOCKER_CREDENTIALS_ID, url: ""]) {
            sh "docker push ${DOCKER_IMAGE}:${DOCKER_TAG}"
        }
    }
}
```

```

        sh "docker tag ${DOCKER_IMAGE}:${DOCKER_TAG} ${DOCKER_IMAGE}:latest"
        sh "docker push ${DOCKER_IMAGE}:latest"
    }
}

stage('Deploy to Kubernetes') {
    steps {
        script {
            sh '''
                set -x # Enable debug mode

                echo "\U0001f50d Checking Jenkins working directory..."
                pwd # Print current working directory
                ls -l # List files in the directory

                echo "\U0001f50d Checking if scripts/deploy.sh exists..."
                if [ ! -f scripts/deploy.sh ]; then
                    echo "\u274c Error: scripts/deploy.sh not found!"
                    exit 1
                fi

                echo "\U0001f50d Ensuring scripts/deploy.sh is executable..."
                chmod +x scripts/deploy.sh
                ls -l scripts/deploy.sh

                echo "\U0001f680 Running deploy.sh..."
                ./scripts/deploy.sh
            '''
        }
    }
}

post {
    success {
        echo "\u2705 Deployment Successful!"
    }
}

```

```
failure {  
    echo "\u274c Deployment Failed!"  
}  
}  
  
}
```

MAVEN VERSION – 3.9.6

OUTPUT : <http://localhost:9098/>