

DAY 5 – TASK (MAVEN DEPLOYMENT IN DOCKER)

pipeline script :

```
pipeline {
  agent any

  environment {
    DOCKER_IMAGE = "kirubarp/maven_repo"
    DOCKER_TAG = "latest"
    DOCKER_CREDENTIALS_ID = "docker"
    GITHUB_CREDENTIALS_ID = "github-seccred"
    KUBECONFIG = "/var/lib/jenkins/.kube/config"
    MAVEN_HOME = "/opt/maven" // Explicitly define Maven home
  }

  stages {
    stage('Checkout Code') {
      steps {
        git credentialsId: GITHUB_CREDENTIALS_ID, url: 'https://github.com/Kiruba-Prakasan/maven_proj.git', branch: 'main'
      }
    }

    stage('Build Application') {
      steps {
        script {
          sh '/opt/maven/bin/mvn clean package -DskipTests'
        }
      }
    }

    stage('Run Maven Tests') {
      steps {
        script {
          try {
            sh '/opt/maven/bin/mvn test'
          } catch (Exception e) {
            echo "Tests failed, but proceeding..."
          }
        }
      }
    }

    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}"
        }
    }
}

// stage('Deploy to Kubernetes') {
//     steps {
//         script {
//             sh ""
//             chmod +x scripts/deploy.sh
//             ./scripts/deploy.sh
//             ""
//         }
//     }
// }

post {
    success {
        echo "Deployment Successful!"
    }
    failure {
        echo "Deployment Failed!"
    }
}
}

```

Kiruba-Prakasan

Docker Push Auth...

New Tab

kiru_pipeline #7 Co

WhatsApp

kirubarp/maven_re


upload speed test

PetClinic: a Spring

localhost:8080/job/kiru_pipeline/7/console

GmailYouTubeMapsAdobe AcrobatVPN Surf - Fast...Unit1.pdf - Go...

All Bookmarks

 **Jenkins**

Dashboard > kiru_pipeline > #7

Status

Changes

Console Output

Edit Build Information

Delete build '#7'

Timings

Git Build Data

Pipeline Overview

Pipeline Console

Restart from Stage

Replay

Pipeline Steps

Workspaces

Console Output

Download

Copy

View as plain text

Started by user kiruba

[Pipeline] Start of Pipeline

[Pipeline] node

Running on Jenkins in /var/lib/jenkins/workspace/kiru_pipeline

[Pipeline] {

[Pipeline] withEnv

[Pipeline] {

[Pipeline] stage

[Pipeline] { (Checkout Code)

[Pipeline] git

The recommended git tool is: NONE

Warning: CredentialId "github-seccred" could not be found.

> git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/kiru_pipeline/.git # timeout=10

Fetching changes from the remote Git repository

> git config remote.origin.url https://github.com/Kiruba-Prakasan/maven_proj.git # timeout=10

Fetching upstream changes from https://github.com/Kiruba-Prakasan/maven_proj.git

> git --version # timeout=10

> git --version # 'git version 2.34.1'

> git fetch --tags --force --progress -- https://github.com/Kiruba-Prakasan/maven_proj.git +refs/heads/*:refs/remotes/origin/* # timeout=10

> git rev-parse refs/remotes/origin/main^{commit} # timeout=10

Checking out Revision e17957f3be80975acd6ba18902e1c19adae260c9 (refs/remotes/origin/main)

> git config core.sparsecheckout # timeout=10

Kiruba-Prakasan

Docker Push Auth...

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kiru_pipeline - Jeni

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All Bookmarks

 **Jenkins**

Dashboard > kiru_pipeline >

Status

Changes

Build Now

Configure

Delete Pipeline

Full Stage View

Stages

Rename

Pipeline Syntax

kiru_pipeline

Add description

Stage View

Average stage times:
(full run time: ~20min 24s)

#7 20:03 No Changes

Checkout Code	Build Application	Run Maven Tests	Build Docker Image	Push Docker Image	Declarative: Post Actions
1s	14s	35s	18s	19min 13s	242ms
1s	14s	35s	18s	19min 13s	242ms

Permalinks

- Last build (#7), 20 min ago
- Last stable build (#7), 20 min ago
- Last successful build (#7), 20 min ago
- Last completed build (#7), 20 min ago

Builds

Filter

Today

#7 8:03 pm

REST APIJenkins 2.502

The screenshot shows the Docker Hub interface for the repository 'kirubarp/maven_repo'. The page is divided into several sections:

- Header:** Includes the Docker Hub logo, navigation links (Explore, My Hub), a search bar, and user avatars.
- Left Sidebar:** Contains navigation links for the user 'kirubarp': Repositories (selected), Settings, Default privacy, Notifications, Billing, Usage, Pulls, and Storage.
- Main Content Area:**
 - Repository Info:** Shows 'kirubarp/maven_repo' with a 'General' tab selected. It indicates the repository was last pushed 7 minutes ago and has a size of 274.1 MB.
 - Tags:** A table showing the repository contains 1 tag(s). The tag is 'latest', of type 'Image', pushed 'less than 1 day' ago.
 - Build Cloud:** A section promoting Docker Build Cloud, highlighting its features like accelerated build times and shared caching.
- Footer:** Includes a 'Repository overview' link and a cookie consent banner.

???welcome Aranganathan 79998wdd???

