

Week8 Assignment1

Dashboard > understanding-pipeline > Configuration

Configure

General

Advanced Project Options

Pipeline

Script

```
1 pipeline {
2   agent any
3
4   tools {
5     // Install the Maven version configured as "M3" and add it to the path.
6     maven "localmvn"
7   }
8
9   stages {
10    stage('Build') {
11      steps {
12        // Get some code from a GitHub repository
13        // git 'https://github.com/rgupta00/empappwar.git'
14        checkout scmGit(branches: [[name: '*/master']], extensions: [], userRemoteConfigs: [[url: 'http://localhost:8090/job/understanding-pipeline/configure#']]
15
16        // To run Maven on a windows agent, use
17        bat "mvn -Dmaven.test.failure.ignore=true clean package"
18      }
19
20      post {
21        // If Maven was able to run the tests, even if some of the test
22        // failed, record the test results and archive the jar file.
23        success {
24          junit '**/target/surefire-reports/TEST-*.xml'
25          archiveArtifacts 'target/*.war'
26        }
27      }
28    }
29    stage('Deploy to tomcat server') {
30      steps {
31        deploy adapters: [tomcat9(credentialsId: '41f7bfae-4da3-4708-8cd2-2585cd061ec3', path: '', url: 'http://localhost:8090/job/understanding-pipeline/configure#')]
32      }
33    }
34  }
35 }
```

Save

Apply

Dashboard > understanding-pipeline > Pipeline Syntax

Build History

trend

Filter builds...

#13

Feb 27, 2025, 12:40 PM

1 commit

259ms

17s

14s

#12

Feb 27, 2025, 12:36 PM

No Changes

397ms

18s

879ms failed

#11

Feb 27, 2025, 12:35 PM

No Changes

328ms

34s

1s failed

#10

Feb 27, 2025, 12:15 PM

No Changes

561ms

23s

#9

Feb 27, 2025, 12:14 PM

No Changes

264ms

24s

#8

Feb 27, 2025, 12:14 PM

No Changes

#7

Feb 27, 2025, 12:13 PM

No Changes

#6

Feb 27, 2025, 12:12 PM

No Changes

#5

Feb 27, 2025, 12:12 PM

No Changes

Declarative: Tool Install	Build	Deploy to tomcat server
354ms	26s	5s
259ms	17s	14s
397ms	18s	879ms failed
328ms	34s	1s failed
561ms	23s	
264ms	24s	

←→localhost:8080/manager/html

Tomcat Web Application Manager

Message:OK

Manager

List ApplicationsHTML Manager HelpManager HelpServer Status

Applications

Path	Version	Display Name	Running	Sessions	Commands
/	None specified	Welcome to Tomcat	true	0	Start Stop Reload Undeploy Expire sessions with idle ≥ 30 minutes
/docs	None specified	Tomcat Documentation	true	0	Start Stop Reload Undeploy Expire sessions with idle ≥ 30 minutes
/empapp	None specified		true	0	Start Stop Reload Undeploy Expire sessions with idle ≥ 30 minutes
/examples	None specified	Servlet and JSP Examples	true	0	Start Stop Reload Undeploy Expire sessions with idle ≥ 30 minutes
/host-manager	None specified	Tomcat Host Manager Application	true	0	Start Stop Reload Undeploy Expire sessions with idle ≥ 30 minutes
/manager	None specified	Tomcat Manager Application	true	1	Start Stop Reload Undeploy Expire sessions with idle ≥ 30 minutes

Deploy

←→localhost:8080/empapp/hello

hello to all V3 :2025-03-03T12:09:24.167760

Dashboard > docker-push-example > Configuration

Configure

General

Advanced Project Options

Pipeline

Definition

Pipeline script

Script ?

```
26      }
27    }
28  }
29  stage('Build Docker Image') {
30    steps {
31      script {
32        def imageName = "peslug21cs120ashritbharadwaj/empappwar:${env.BUILD_NUMBER}"
33        sh "sudo docker build -t ${imageName} ."
34        echo 'Build Image Completed'
35      }
36    }
37  }
38  stage('Push Image to Docker Hub') {
39    steps {
40      script {
41        def imageName = "peslug21cs120ashritbharadwaj/empappwar:${env.BUILD_NUMBER}"
42        withDockerRegistry(credentialsId: 'dockerhubcredentials', toolName: 'Docker') {
43          sh "sudo docker push ${imageName}"
44        }
45        echo 'Push Image Completed'
46      }
47    }
48  }
49  }
```