

Integrate Maven with Declarative Pipeline

Earlier we saw how to integrate maven in a scripted Jenkins pipeline

Let do the same in declarative Jenkins pipeline

The steps are not the same because declarative Jenkins pipeline will not allow you to define the variables and the path of the maven.

To achieve, this, you need to include your pom.xml in the src folder so that Jenkins can easily find it.

We also need to define the maven tool with the **Snippet Generator**

Scripted Jenkins pipeline

```
node {  
  
    stage("Git Clone"){  
        git credentialsId: 'GIT_HUB_CREDENTIALS', url:  
'https://github.com/joshking1/spring-boot-mongo-docker.git'  
    }  
    stage('Maven Clean Build') {  
        def mavenHome = tool name: "Maven-3.8.4", type: "maven"  
        def mavenCMD = "${mavenHome}/bin/mvn"  
        sh "${mavenCMD} clean package"  
    }  
    stage("Build Docker Image"){  
        sh "docker version"  
        sh "docker build -t king-httpd ."  
    }  
}
```

Declarative Jenkins pipeline

```
pipeline {  
    agent any  
    tools {  
        maven 'Maven-3.8.4'  
    }  
}
```

```


stages {
  stage ("Git Checkout") {
    steps {
      git credentialsId: 'GIT_HUB_CREDENTIALS', url:
'https://github.com/joshking1/myRepoForJavaApp.git'
    }
  }
  stage ("Maven Clean Build") {
    steps {
      sh 'mvn clean install -f MyWebApp/pom.xml'
    }
  }
}
}

```



The repository to use

<https://github.com/joshking1/myRepoForJavaApp.git>

Let evaluate this repo

 MyWebApp	Update index.jsp	2 years ago
--	------------------	-------------

Click on MyWebApp and pom.xml should be part of this folder

akannan1087 Update index.jsp		
..		
 src/main/webapp	Update index.jsp	
 pom.xml	my first project setup in GitHub	

Let evaluate the other other repo

This branch is 20 commits ahead, 2 commits behind MithunTechnologiesDevOps:

joshking1 Update springBootMongo.yml		
src/main	Update application.yml	
.gitignore	Added Gitignore File	
Dockerfile	Updated code to add logger state	
Dockerfile_WithScript	Create Dockerfile_WithScript	16 months ago
Jenkins Kubernetes.pdf	Add files via upload	3 years ago
JenkinsfileDockerSwarm	Update JenkinsfileDockerSwarm	3 years ago
JenkinsfileKubernetes	Updated	2 years ago
README.md	Update README.md	last month
docker-compose.yml	Updated	2 years ago
initScript.sh	Create initScript.sh	16 months ago
javawebapp-deployment.yml	Create javawebapp-deployment.yml	3 years ago
pom.xml	Updated code to add logger statements	2 years ago

Clone
HTTPS SSH GitHub CLI
<https://github.com/joshking1/spring-boot-r>
Use Git or checkout with SVN using the web URL.
Open with GitHub Desktop
Download ZIP

This will not work because it is pom.xml is not in the same folder with src/ blue folder

Poll scm

☒ Poll SCM

Schedule

H/3 * * * *

Would last have run at Thursday, February 3, 2022 at 6:57:37 PM Greenwich Mean Time; would next run at Thursday, February 3, 2022 at 6:57:37 PM Greenwich Mean Time.

☐ Ignore post-commit hooks