

Assisted Practice Projects:

Job 1: to build the java code using maven and jenkins

We will use jenkins file to run the pipeline

Dashboard > LessonEndProject > Configuration

Configure

General

Advanced Project Options

Pipeline

Pipeline

Definition

Pipeline script

Pipeline script

Pipeline script from SCM

1

try sample Pipeline...

☒ Use Groovy Sandbox

Pipeline Syntax

Pipeline script from SCM

SCM

Git

Repositories

Repository URL

https://github.com/Sonal0409/MavenBuild-SL.git

Credentials

- none -

+ Add

Advanced

Add Repository

Save and build the job

Jenkins Search (CTRL+K) ? ? 1 1 admin

Dashboard > Lessonenproject1 > #1 > Allocate node : Start > Workspace > Workspace

↑ Up

🔍 Status

📄 Console Output

📁 Workspace

Workspace

/ target / →

- classes/com/geekcap/vmturbo
- generated-sources/annotations
- generated-test-sources/test-annotations
- java-example
- maven-archiver
- maven-status/maven-compiler-plugin
- surefire-reports
- test-classes/com/geekcap/vmturbo
- java-example.war

19-Jan-2024, 5:09:31 AM 5.13 KB

[\(all files in zip\)](#)

Create a new job to build and push the artifact on the Artifactory:


Jenkins Search (CTRL+K) ? ? 1 1 admin log out

Dashboard > All >

Enter an item name

LessonEndprojectArtifactory

Required field

 **Freestyle project**

This is the central feature of Jenkins. Jenkins will build your project, combining any SCM with any build system, and this can be even used for something other than software build.

Dashboard > LessonEndprojectArtifactory > Configuration

Configure

- General
- Source Code Management**
- Build Triggers
- Build Environment
- Build Steps
- Post-build Actions

Source Code Management

☐ None

☒ **Git** ?

Repositories ?

Repository URL ?

https://github.com/Sonal0409/MavenBuild-SL.git

Credentials ?

- none -

+ Add

Advanced

Dashboard > LessonEndprojectArtifactory > Configuration

Configure

- General
- Source Code Management
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- Build Environment**
- Build Steps
- Post-build Actions

☐ Inspect build log for published build scans

☒ Maven3-Artifactory Integration

Artifactory Configuration

Artifactory server

artinstance1 http://35.184.106.46:8081/artifactory

Target releases repository ?

lib-release-local Select from List

Target snapshots repository ?

Different Value

Refresh Repositories

☐ Override default credentials

Dashboard > LessonEndprojectArtifactory > Configuration

Configure

- General
- Source Code Management
- Build Triggers
- Build Environment
- Build Steps**
- Post-build Actions

Build Steps

≡

Invoke Artifactory Maven 3 ?

×

Maven Version

mymaven

Root POM ?

Goals and options ?

clean install

Advanced ▾

Add build step ▾

Save the job and build it

Status

LessonEndprojectArtifactory

Changes

Workspace

Build Now

Configure

Delete Project

Artifactory Build Info

Rename



Artifactory Build Info

Permalinks

- Last build (#3), 3 min 27 sec ago
- Last stable build (#3), 3 min 27 sec ago
- Last successful build (#3), 3 min 27 sec ago
- Last failed build (#2), 5 min 0 sec ago
- Last unsuccessful build (#2), 5 min 0 sec ago
- Last completed build (#3), 3 min 27 sec ago



Build History

trend ▼



Filter builds...



#3

19-Jan-2024, 5:23 AM



```
[/var/lib/jenkins/workspace/LessonEndprojectArtifactory/target/java-example]
[main] INFO org.apache.maven.plugins.war.WarMojo - Processing war project
[main] INFO org.apache.maven.plugins.war.WarMojo - Copying webapp resources [/var/lib/jenkins/workspace/LessonEndprojectArtifactory/src/main/webapp]
[main] INFO org.codehaus.plexus.archiver.war.WarArchiver - Building war: /var/lib/jenkins/workspace/LessonEndprojectArtifactory/target/java-example.war
[main] INFO org.apache.maven.cli.event.ExecutionEventLogger - --- install:3.1.1:install (default-install) @ java-example ---
[main] INFO org.codehaus.plexus.PlexusContainer - Installing /var/lib/jenkins/workspace/LessonEndprojectArtifactory/pom.xml to /var/lib/jenkins/.m2/repository/com/java/example/java-example/1.0-SNAPSHOT/java-example-1.0-SNAPSHOT.pom
[main] INFO org.codehaus.plexus.PlexusContainer - Installing /var/lib/jenkins/workspace/LessonEndprojectArtifactory/target/java-example.war to /var/lib/jenkins/.m2/repository/com/java/example/java-example/1.0-SNAPSHOT/java-example-1.0-SNAPSHOT.war
[main] INFO org.jfrog.build.extractor.maven.BuildDeploymentHelper - Artifactory Build Info Recorder: Saving Build Info to '/var/lib/jenkins/workspace/LessonEndprojectArtifactory/target/build-info.json'
[main] INFO org.jfrog.build.extractor.maven.ArtifactoryManagerBuilder - Deploying artifact: http://35.184.106.46:8081/artifactory/lib-release-local/com/java/example/java-example/1.0-SNAPSHOT/java-example-1.0-SNAPSHOT.war
[main] INFO org.jfrog.build.extractor.maven.ArtifactoryManagerBuilder - Deploying artifact: http://35.184.106.46:8081/artifactory/lib-release-local/com/java/example/java-example/1.0-SNAPSHOT/java-example-1.0-SNAPSHOT.pom
[main] INFO org.jfrog.build.extractor.maven.BuildDeploymentHelper - Artifactory Build Info Recorder: Deploying build info ...
[main] INFO org.jfrog.build.extractor.maven.ArtifactoryManagerBuilder - Deploying build info...
[main] INFO org.jfrog.build.extractor.maven.ArtifactoryManagerBuilder - Build-info successfully deployed. Browse it in Artifactory under http://35.184.106.46:8081/artifactory/webapp/builds/LessonEndprojectArtifactory/3
[main] INFO org.apache.maven.cli.event.ExecutionEventLogger - -----
[main] INFO org.apache.maven.cli.event.ExecutionEventLogger - BUILD SUCCESS
[main] INFO org.apache.maven.cli.event.ExecutionEventLogger - -----
[main] INFO org.apache.maven.cli.event.ExecutionEventLogger - Total time: 10.168 s
[main] INFO org.apache.maven.cli.event.ExecutionEventLogger - Finished at: 2024-01-19T05:23:20Z
[main] INFO org.apache.maven.cli.event.ExecutionEventLogger - -----
Finished: SUCCESS
```

Jfrog Artifactory

HelpWelcome, admin

Builds - LessonEndprojectArtifactory

< Back to all builds

Build ID

3

Agent

Jenkins/2.426.2

Build Agent

Maven/3.9.6

Started

19 January, 2024 10:53:06

Duration

7.8 seconds

Principal

admin

Artifactory Principal

admin

Published Modules

Environment

Issues

Licenses

Diff

Release History

1 Module

Filter by Module ID

1 out of 1

Module ID

Number Of Artifacts

Number Of Dependencie...

com.java.example:java-example:1.0-SNAPSHOT

2

3