Demo 1: Install Jfrog Artifactory in Lab

Use the SL lab machine to install and set up Jfrog Artifactoy

Connect to the lab -> go to the terminal

Execute below commands:
==========

sudo su -

mkdir myartifactory

cd myartifactory

wget https://jfrog.bintray.com/artifactory/jfrog-artifactory-oss-6.9.6.zip

unzip jfrog-artifactory-oss-6.9.6.zip

cd jfrog-artifactory-oss-6.9.6

cd bin

./artifactory.sh start

Go to your lab browser and give the URL

localhost:8081

You will be on the Jfrog Artifactoy page

Login with below credentials:

Username: admin
Password: password

Create a local repository on Jfrog

==========

Click on Admin → Click on local repo
Select maven and give

Repository Key : libs-release-local → click on save

Create a remote repository on Jfrog

==========

Click on Admin → Click on remote repo
Select maven and give
Repository Key : libs-release-remote → save it

==========

Demo 2: Integrating JFROG with Jenkins using artifactory jenkins plugin
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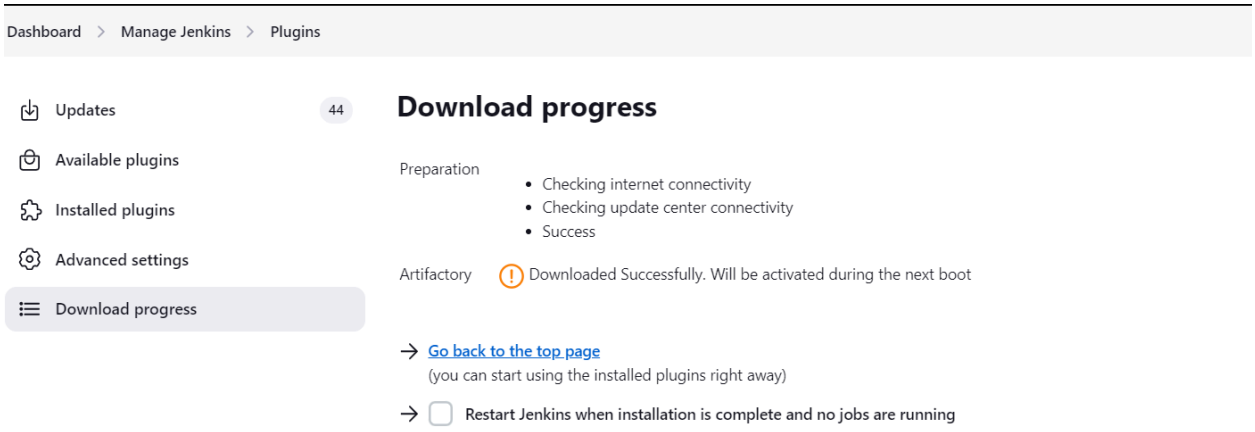
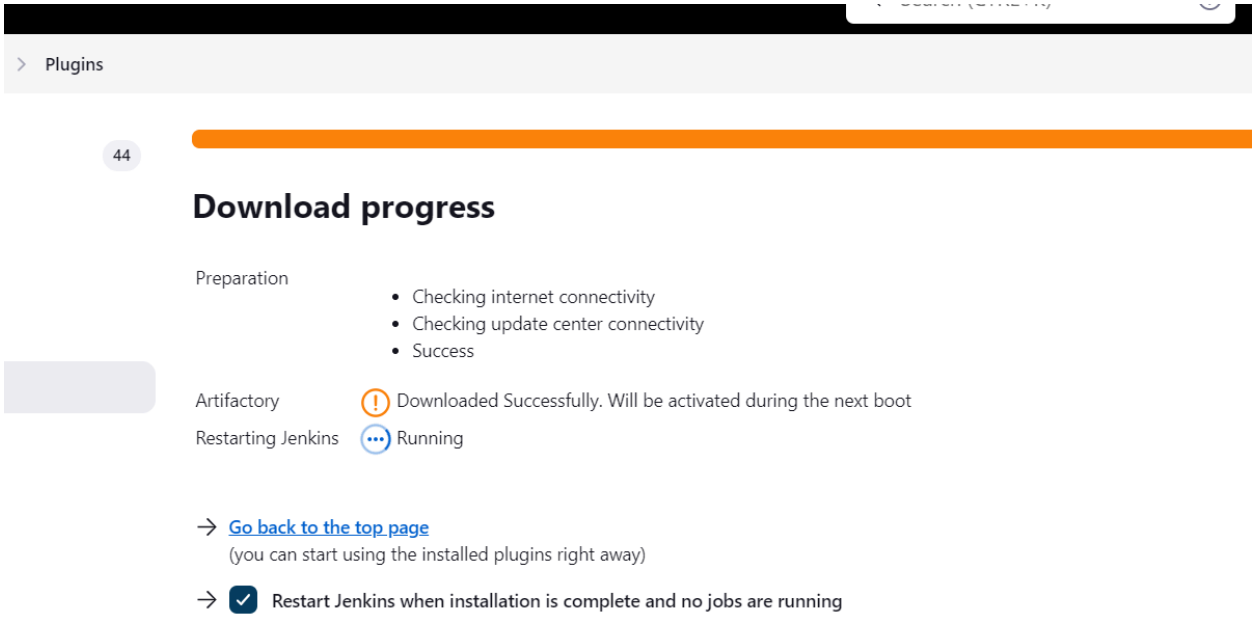
Go to the laptop browser and access jenkins on : http://localhost:8080/

GO to Jenkins → Manage Jenkins → Manage Plugins

Click on Available plugins → search for artifactory → select the checkbox → click on Install



If the plugin is sactivated, click on the check box to restart jenkins



System Configuration:
==========

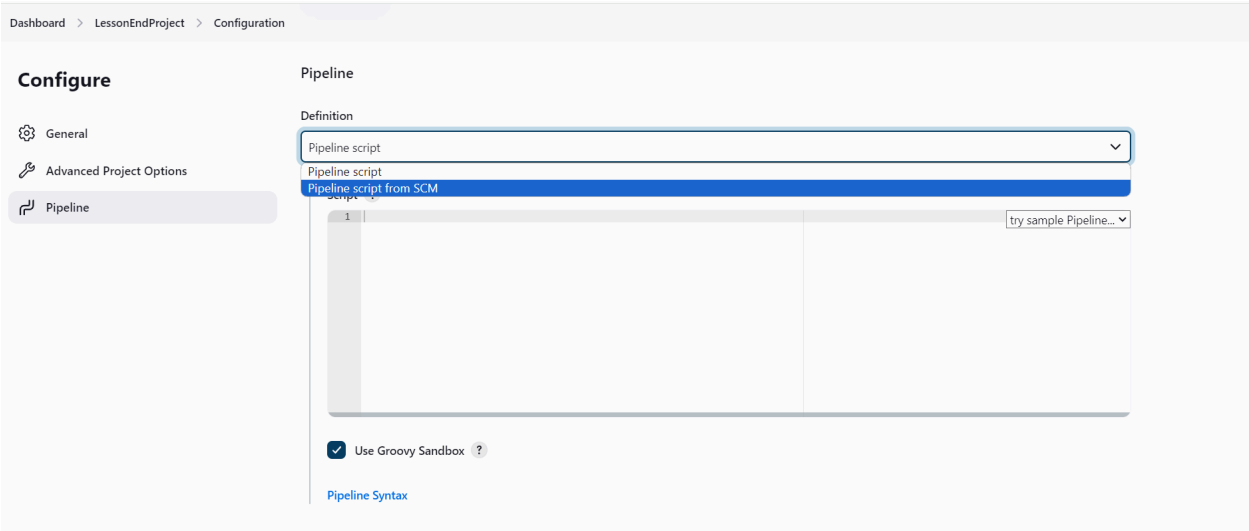
Use this screenshot to submit the configuration step:

Lesson End project:
==========

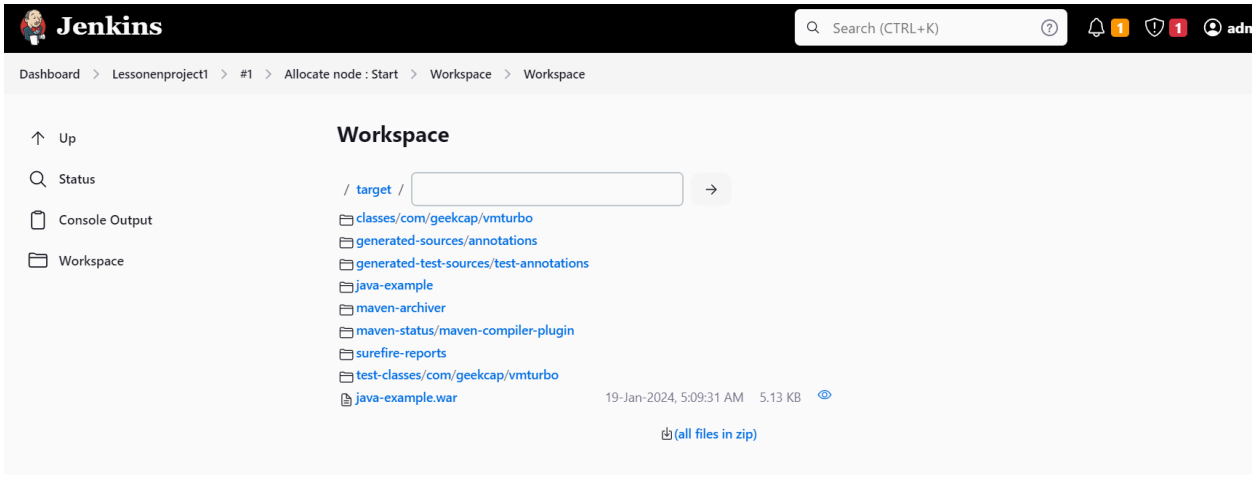
We will create 2 jobs for this scenario:

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

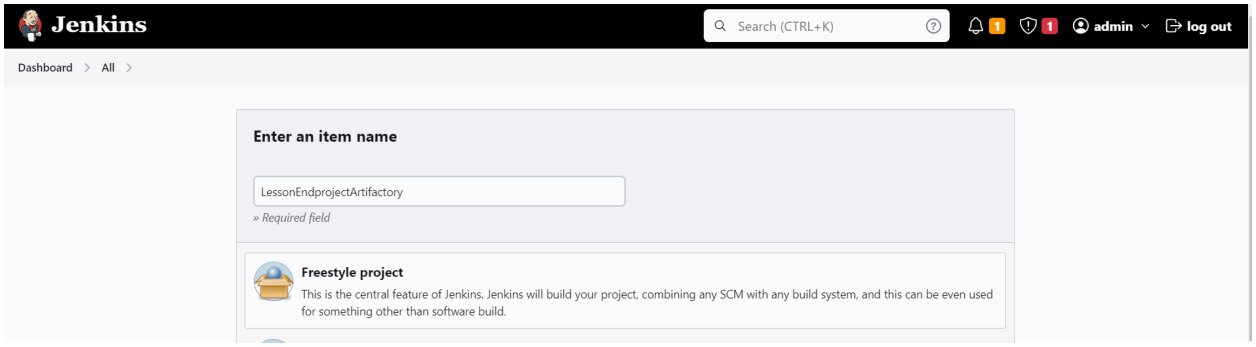
We will use jenkins file to run the pipeline

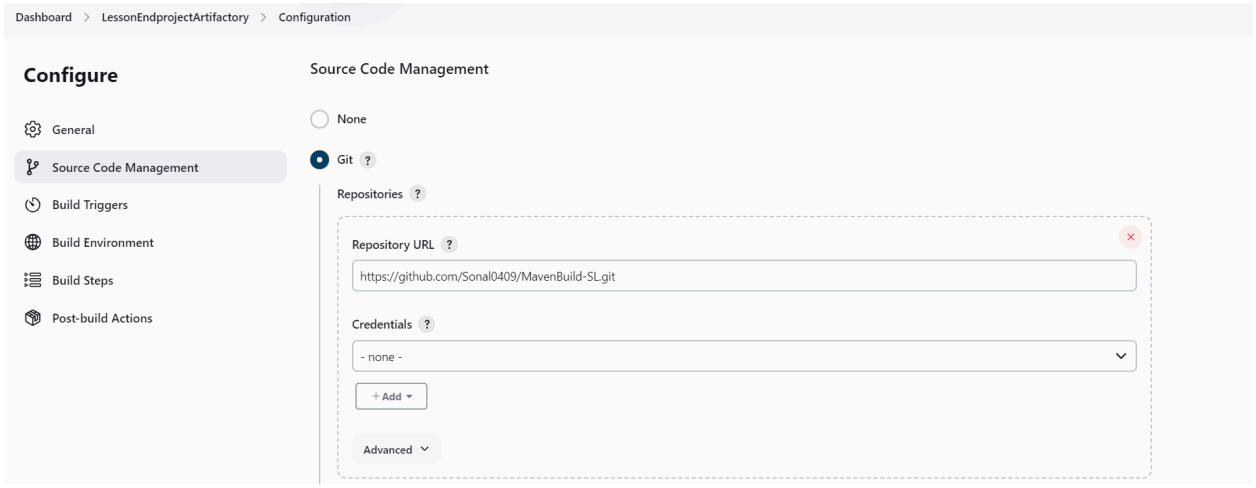


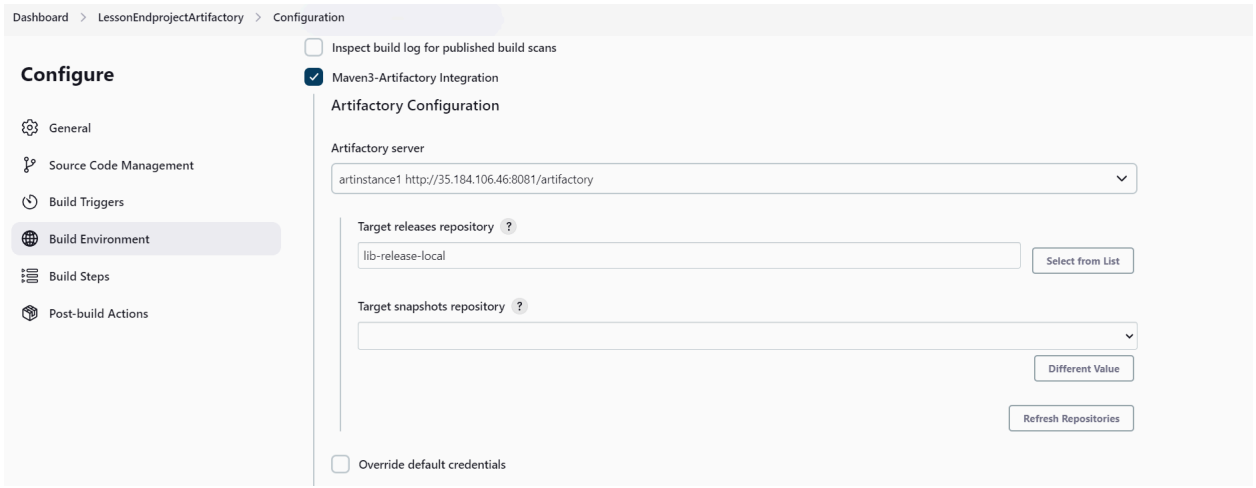
Save and build the job

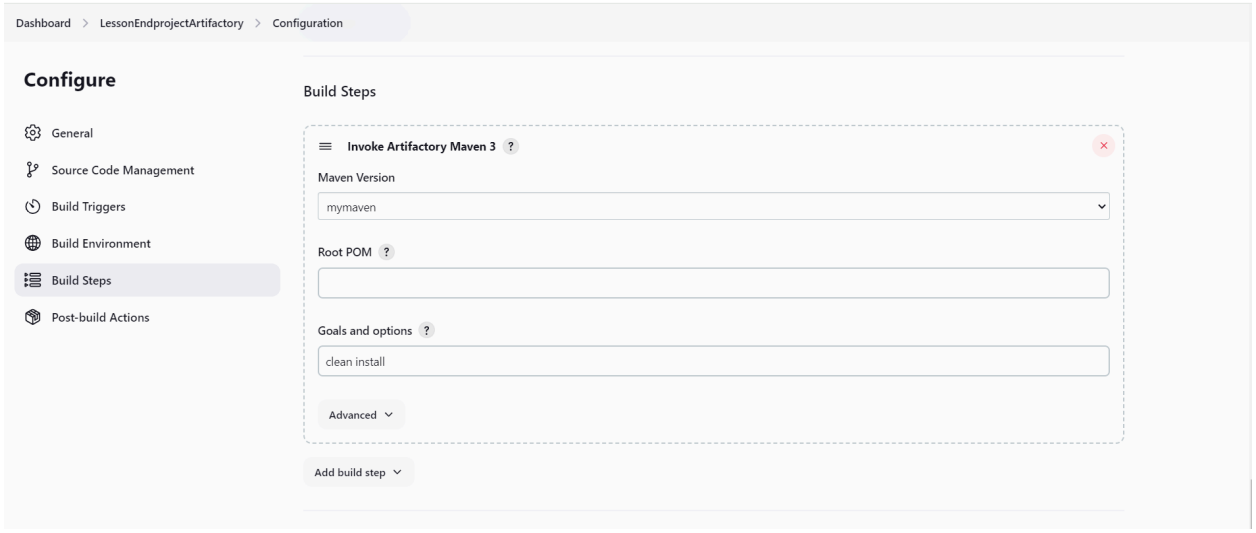


Create a new job to build and push the artifact on the Artifactory:
==========

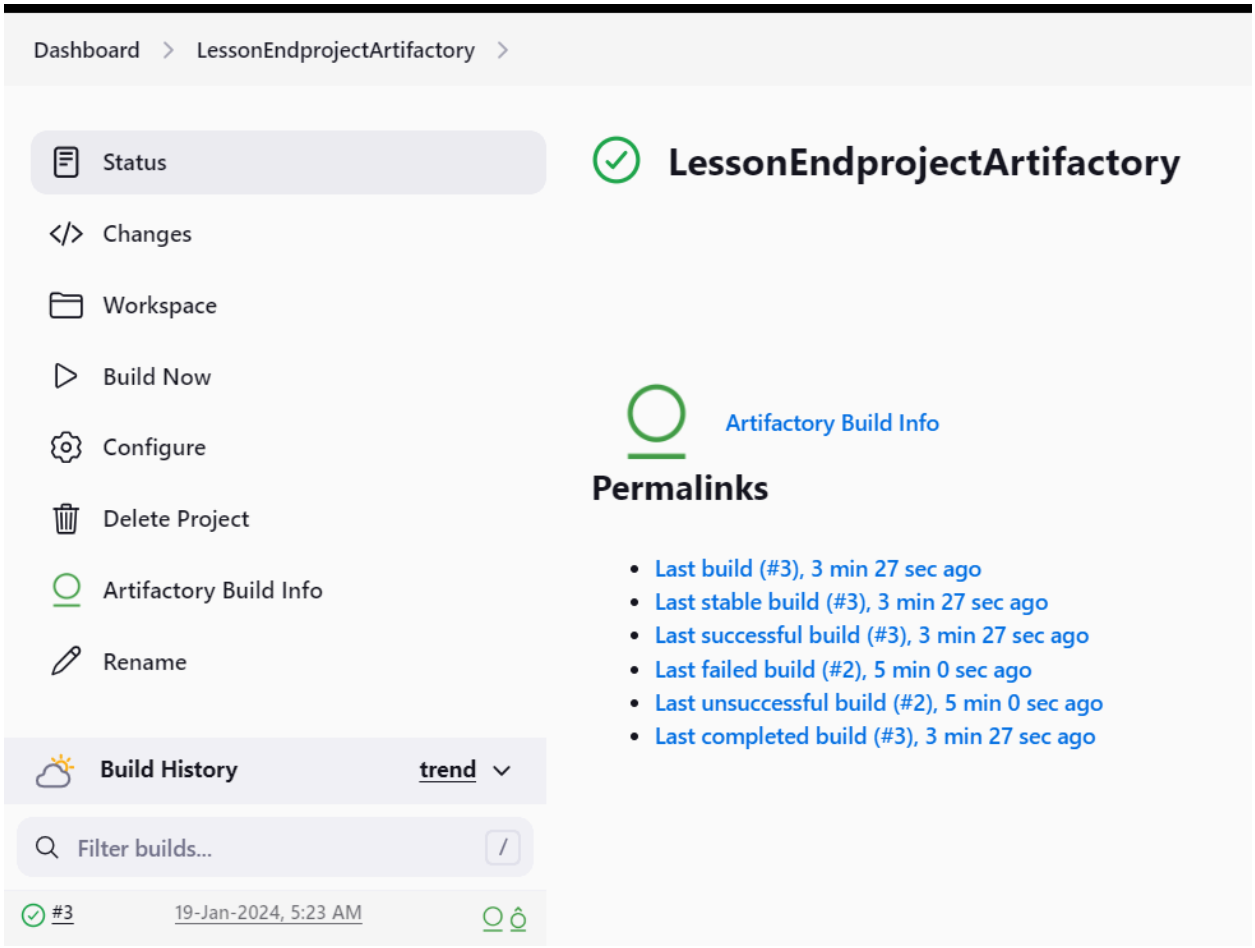




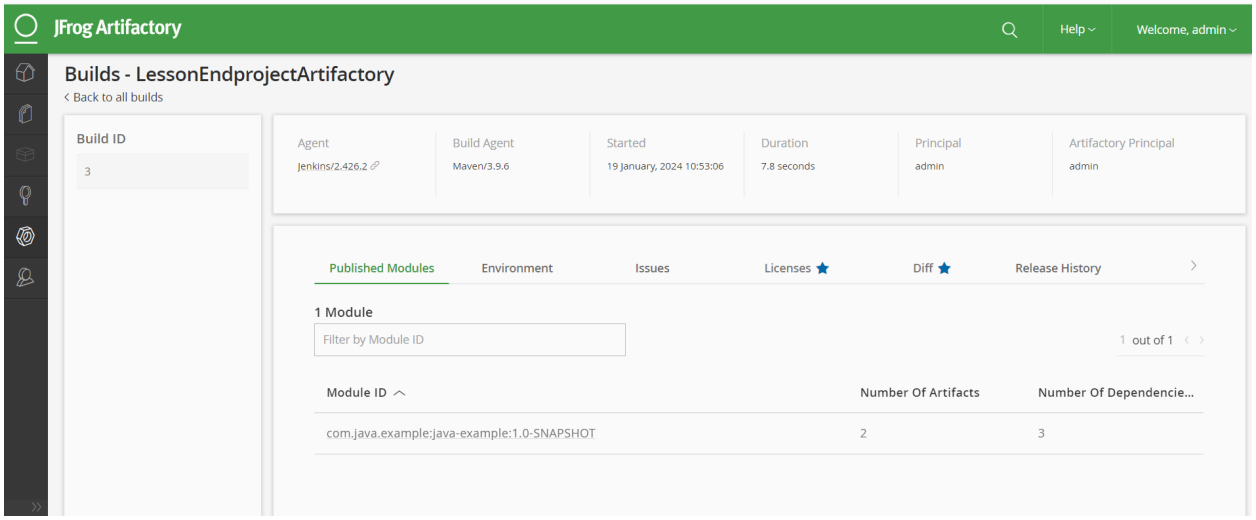




Save the job and build it




```
[/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 -
[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
Help
Welcome, 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