

DEVOPS PROFESSIONAL CERTIFICATION PROGRAM

Lab – 7: Continuous Integration – Jfrog

- Create Maven Project
- Configure Artifactory

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- Use maven project (Demo1) created (quickstart type) in previous Lab

```
osgdev@DevOpsOS-TR: ~/ap/GettingStarted/mavenProcess$ tree
.
├── Demo1
│   ├── pom.xml
│   └── src
│       ├── main
│       │   ├── java
│       │   │   └── com
│       │   │       └── devops
│       │           └── App.java
│       └── test
│           ├── java
│           │   └── com
│           │       └── devops
│           └── AppTest.java
10 directories, 3 files
```

- Project working directory initialize with git repository and commit.

```
@DevOpsOS-TR: ~/ap/GettingStarted/mavenProcess/Demo1
osgdev@DevOpsOS-TR:~/ap/GettingStarted/mavenProcess/Demo1$ ls
pom.xml  src
osgdev@DevOpsOS-TR:~/ap/GettingStarted/mavenProcess/Demo1$ git init
Initialized empty Git repository in /home/osgdev/ap/GettingStarted/mavenProcess/Demo1/.git/
osgdev@DevOpsOS-TR:~/ap/GettingStarted/mavenProcess/Demo1$ git add .
osgdev@DevOpsOS-TR:~/ap/GettingStarted/mavenProcess/Demo1$ git commit -m "Initial Code Base"
[master (root-commit) 9c423bd] Initial Code Base
Committer: osgdev <osgdev@DevOpsOS-TR.wipro.com>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

3 files changed, 69 insertions(+)
create mode 100644 pom.xml
create mode 100644 src/main/java/com/devops/App.java
create mode 100644 src/test/java/com/devops/AppTest.java
osgdev@DevOpsOS-TR:~/ap/GettingStarted/mavenProcess/Demo1$
```

- Create Jenkins Job – Maven Project

Enter an item name

7 Lab

Freestyle project

Maven project

Pipeline

Multi-configuration project

Folder

Highlight All Match Case Whole Words 1 of 15 matches

- **Configure SCM & Build with maven goal “install”**

The screenshot shows the Jenkins configuration interface. On the left, under 'Source Code Management', the 'Git' option is selected. The 'Repository URL' is set to '/home/osgdev/ap/GettingStarted/maven/Process/Demo1'. On the right, under 'Build', the 'Root POM' is set to 'pom.xml' and the 'Goals and options' are set to 'clean install'.

- **Configure Artifactory under “Add post build Action”**

The screenshot shows the 'Post Steps' tab in the Jenkins configuration. A dropdown menu is open, showing various post-build actions. The 'Deploy artifacts to Artifactory' option is highlighted. The 'Add post-build action' dropdown is also visible at the bottom left.

The screenshot shows the 'Post-build Actions' configuration for 'Deploy artifacts to Artifactory'. The 'Artifactory server' is set to 'http://localhost:5040/artifactory'. The 'Target releases repository' and 'Target snapshot repository' are both empty. The 'Custom staging configuration' is set to 'None'. The 'Override default credentials' checkbox is unchecked.

The screenshot shows the 'Post-build Actions' configuration for 'Deploy artifacts to Artifactory'. The 'Artifactory server' is set to 'http://localhost:5040/artifactory'. The 'Target releases repository' is set to 'libs-release-local' and the 'Target snapshot repository' is set to 'libs-snapshot-local'. The 'Custom staging configuration' is set to 'None'. The 'Override default credentials' checkbox is checked, and the 'Username' is set to 'devops' and the 'Password' is masked with dots. A green message 'Items refreshed successfully' is displayed.

Post-build Actions

Items refreshed successfully Refresh

☒ Override default credentials

Username:

Password:

☐ Deploy even if the build is unstable

☒ Override build name

Build name:

☒ Deploy maven artifacts

Include Patterns:

Exclude Patterns:

☒ Filter excluded artifacts from build info

Save Apply

• Login to Jfrog Artifactory to view artifacts history

Firefox | Lab [Jenkins] | MySonarReview5 | **Artifactory** | 2:53 PM

localhost:5040/artifactory/webapp/#/home

JFrog Artifactory Log In Help

Artifactory is happily serving 50 artifacts
Artifactory Version 5.9.0

Quick Search

Or go to >

Package Search | Archive Search | Property Search | Checksum Search | JCenter Search

User Guide | Webinar Signup | Support Portal

Stackoverflow | Blog | Rest API

Set Me Up

Filter by Repository Key

- gradle-dev
- gradle-release
- libs-release
- libs-snapshot
- generic-local
- gradle-dev-local
- gradle-release-local

Last Deployed Builds (12/07/18 14:53:41)

Deploy2TomcatUsingMavenGoal #2

Most Downloaded Artifacts (12/07/18 14:53:41)

- libs-release-local/wipro/myartifactory/MyArtifactory/maven-me...
- jcenter-cache/org/apache/maven/plugins/maven-archetype-plu...
- jcenter-cache/org/apache/maven/plugins/maven-metadata.xml

High Availability | JFrog Bintray Distribution | JFrog Xray | JFrog CLI | Build Integration | Docker | Repository Replication

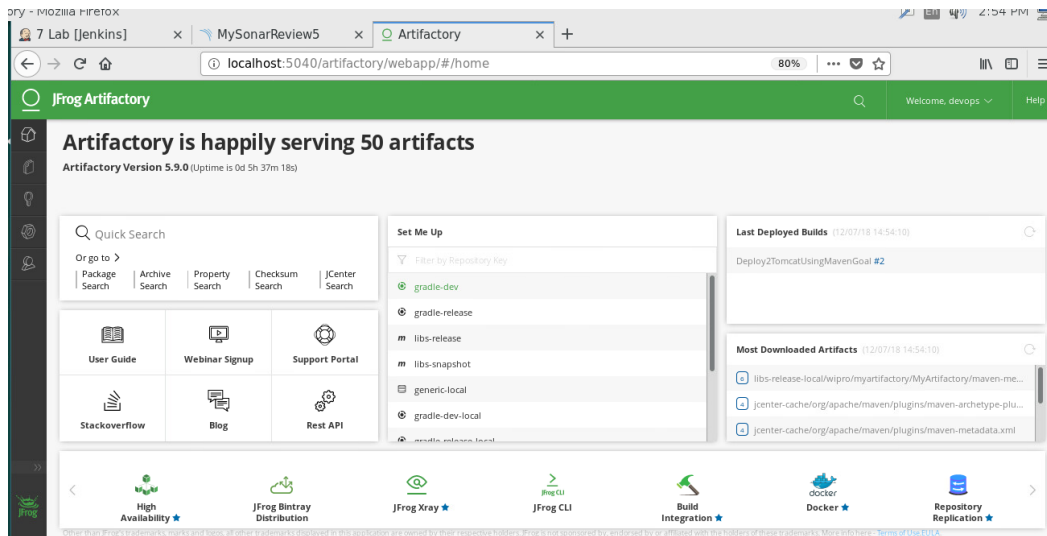
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Welcome to JFrog Artifactory!

Username:

Password:

☐ Remember me Log In



- Select “Build Now” to start build process. Observe Jenkins Console output

