

Build and Release Management Lab

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CSE DevOps'18
R171218016-500067759

Lab Exercise 6

Aim: Create a simple Maven Project using CLI.

```
aman@amanlaptop: ~/old/backup/h/StudyMaterial/2ndYear/Build_and_Release_management/lab/lab6/my-app
aman@amanlaptop:~/old/backup/h/StudyMaterial/2ndYear/Build_and_Release_management/lab/lab6$ mvn archetype:generate -DgroupId=com.mycompany.app -DartifactId=my-app -DarchetypeArtifactId=maven-archetype-quickstart -DarchetypeVersion=1.4 -DinteractiveMode=false
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by com.google.inject.internal.cglib.core.$ReflectUtils$1 (file:/usr/share/maven/lib/guice.jar) to method java.lang.ClassLoader.defineClass(java.lang.String,byte[],int,int,java.security.ProtectionDomain)
WARNING: Please consider reporting this to the maintainers of com.google.inject.internal.cglib.core.$ReflectUtils$1
WARNING: Use --illegal-access=warn to enable warnings of further illegal reflective access operations
WARNING: All illegal access operations will be denied in a future release
[INFO] Scanning for projects...
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-site-plugin/3.3/maven-site-plugin-3.3.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-site-plugin/3.3/maven-site-plugin-3.3.pom (21 kB at 6.9 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-antrun-plugin/1.3/maven-antrun-plugin-1.3.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-antrun-plugin/1.3/maven-antrun-plugin-1.3.jar (24 kB at 42 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-assembly-plugin/2.2-beta-5/maven-assembly-plugin-2.2-beta-5.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-assembly-plugin/2.2-beta-5/maven-assembly-plugin-2.2-beta-5.jar (209 kB at 145 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-dependency-plugin/2.8/mav
```

```
Open App.java Save
~/old/backup/...

package com.mycompany.app;

/**
 * Hello world!
 *
 */
public class App
{
    public static void main( String[] args )
    {
        System.out.println( "Hello World!" );
    }
}

Java Tab Width: 8 Ln 1, Col 1 INS
```

```
aman@amanlaptop: ~/old/backup/h/StudyMaterial/2ndYear/Build_and_Release_management/lab/lab6/my-app
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-site-plugin:3.7.1:site (default-site) @ my-app ---
[INFO] configuring report plugin org.apache.maven.plugins:maven-project-info-reports-plugin:3.0.0
[INFO] 15 reports detected for maven-project-info-reports-plugin:3.0.0: ci-management, dependencies, dependency-info, d
ependency-management, distribution-management, index, issue-management, licenses, mailing-lists, modules, plugin-manage
ment, plugins, scm, summary, team
[INFO] Rendering site with default locale English (en)
[INFO] Relativizing decoration links with respect to localized project URL: http://www.example.com
[INFO] Rendering content with org.apache.maven.skins:maven-default-skin:jar:1.2 skin.
[INFO] Generating "Dependencies" report --- maven-project-info-reports-plugin:3.0.0:dependencies
[INFO] Generating "Dependency Information" report --- maven-project-info-reports-plugin:3.0.0:dependency-info
[INFO] Generating "About" report --- maven-project-info-reports-plugin:3.0.0:index
[INFO] Generating "Plugin Management" report --- maven-project-info-reports-plugin:3.0.0:plugin-management
[INFO] Generating "Plugins" report --- maven-project-info-reports-plugin:3.0.0:plugins
[INFO] Generating "Summary" report --- maven-project-info-reports-plugin:3.0.0:summary
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 13.840 s
[INFO] Finished at: 2020-04-01T11:10:13+05:30
aman@amanlaptop:~/old/backup/h/StudyMaterial/2ndYear/Build_and_Release_management/lab/lab6/my-app$
```

```
aman@amanlaptop: ~/old/backup/h/StudyMaterial/2ndYear/Build_and_Release_management/lab/lab6/my-app
[INFO] Using following parameters for creating project from Archetype: maven-archetype-quickstart:1.4
[INFO] -----
[INFO] Parameter: groupId, Value: com.mycompany.app
[INFO] Parameter: artifactId, Value: my-app
[INFO] Parameter: version, Value: 1.0-SNAPSHOT
[INFO] Parameter: package, Value: com.mycompany.app
[INFO] Parameter: packageInPathFormat, Value: com/mycompany/app
[INFO] Parameter: package, Value: com.mycompany.app
[INFO] Parameter: groupId, Value: com.mycompany.app
[INFO] Parameter: artifactId, Value: my-app
[INFO] Parameter: version, Value: 1.0-SNAPSHOT
[INFO] Project created from Archetype in dir: /home/aman/old/backup/h/StudyMaterial/2ndYear/Build_and_Release_management/lab/lab6/my-app
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 01:00 min
[INFO] Finished at: 2020-04-01T10:59:47+05:30
[INFO] -----
aman@amanlaptop:~/old/backup/h/StudyMaterial/2ndYear/Build_and_Release_management/lab/lab6$ cd my-app/
aman@amanlaptop:~/old/backup/h/StudyMaterial/2ndYear/Build_and_Release_management/lab/lab6/my-app$ ls
pom.xml src
aman@amanlaptop:~/old/backup/h/StudyMaterial/2ndYear/Build_and_Release_management/lab/lab6/my-app$ cd ..
```



```

aman@amanlaptop: ~/old/backup/h/StudyMaterial/2ndYear/Build_and_Release_management/lab/lab6/my-app
[INFO] Total time: 42.319 s
[INFO] Finished at: 2020-04-01T11:05:49+05:30
[INFO] -----
aman@amanlaptop:~/old/backup/h/StudyMaterial/2ndYear/Build_and_Release_management/lab/lab6/my-app$ java -cp target/my-app-1.0-SNAPSHOT.jar com.mycompany.app.AppHello World!
aman@amanlaptop:~/old/backup/h/StudyMaterial/2ndYear/Build_and_Release_management/lab/lab6/my-app$ mvn clean dependency:copy-dependencies package
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by com.google.inject.internal.cglib.core.$ReflectUtils$1 (file:/usr/share/maven/lib/guice.jar) to method java.lang.ClassLoader.defineClass(java.lang.String,byte[],int,int,java.security.ProtectionDomain)
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[INFO] Scanning for projects...
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-clean-plugin/3.1.0/maven-clean-plugin-3.1.0.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-clean-plugin/3.1.0/maven-clean-plugin-3.1.0.pom (5.2 kB at 2.5 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-clean-plugin/3.1.0/maven-clean-plugin-3.1.0.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-clean-plugin/3.1.0/maven-clean-plugin-3.1.0.jar (30 kB at 40 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-install-plugin/2.5.2/mave

```

```

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aman@amanlaptop:~/old/backup/h/StudyMaterial/2ndYear/Build_and_Release_management/lab/lab6/my-app$ mvn site
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by com.google.inject.internal.cglib.core.$ReflectUtils$1 (file:/usr/share/maven/lib/guice.jar) to method java.lang.ClassLoader.defineClass(java.lang.String,byte[],int,int,java.security.ProtectionDomain)
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WARNING: Use --illegal-access=warn to enable warnings of further illegal reflective access operations
WARNING: All illegal access operations will be denied in a future release
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.mycompany.app:my-app >-----
[INFO] Building my-app 1.0-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-site-plugin:3.7.1:site (default-site) @ my-app ---
[INFO] configuring report plugin org.apache.maven.plugins:maven-project-info-reports-plugin:3.0.0
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```



```
aman@amanlaptop: ~/old/backup/h/StudyMaterial/2ndYear/Build_and_Release_management/lab/lab6/my-app
[INFO] -----< com.mycompany.app:my-app >-----
[INFO] Building my-app 1.0-SNAPSHOT
[INFO] -----[ jar ]-----
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[INFO] Generating "About" report --- maven-project-info-reports-plugin:3.0.0:index
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[INFO] Generating "Plugins" report --- maven-project-info-reports-plugin:3.0.0:plugins
[INFO] Generating "Summary" report --- maven-project-info-reports-plugin:3.0.0:summary
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 13.840 s
[INFO] Finished at: 2020-04-01T11:10:13+05:30
```

ActivitiesGoogle ChromeApr 2 13:11

My Blackboard Content - xmy-app - Project Dependix

File | /home/aman/old/backup/h/StudyMaterial/2ndYear/Build_and_Release_management/lab/lab6/my-app/target/site/dependencies.html

Apps Gmail YouTube Maps Translate Operating Sys... I'm Learning... srgnk/Hacker... CodeSurfer30... 2.2. PAM Confi...

my-app

Last Published: 2020-04-01 | Version: 1.0-SNAPSHOT

Project Documentation

Project Information

Dependencies

Dependency Information

About

Plugin Management

Plugins

Summary

Built by:

Project Dependencies

test

The following is a list of test dependencies for this project. These dependencies are only required to compile and run unit tests for the application:

GroupId	ArtifactId	Version	Type	Licenses
junit	junit	4.11	jar	Common Public License Version 1.0

Project Transitive Dependencies

test

The following is a list of test dependencies for this project. Transitive dependencies are the dependencies of the project dependencies.

The following is a list of test dependencies for this project. These dependencies are only required to compile and run unit tests for the application:

GroupId	ArtifactId	Version	Type	Licenses
org.hamcrest	hamcrest-core	1.3	jar	New BSD License

DCNlab-mer....pdf

Show all