Maven Structure



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Folder Structure

POM File Basics

Basic Commands and Goals

Dependencies

Local Repo

Outline

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- HelloWorld
 - > psrc/main/java
 - > A JRE System Library [JavaSE-17]
 - src/test/java
 - Maven Dependencies
 - # target/generated-sources/annotations
 - # target/generated-test-sources/test-annotations

.

- > > > src
- > (=> target
 - m pom.xml
- > Servers

src/main/java
target
pom.xml

src/main/java

.

Java Code

Package Declaration

Other Languages

Testing

- target
 - generated-sources
 - generated-test-sources
 - > b maven-archiver
 - > > maven-status
 - HelloWorld-1.0-SNAPSHOT.jar

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Compilation Directory

Tests

Package Contents

pom.xml

Dependencies

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Naming Convention
groupld, artifactld, version

Dependencies section

pom.xml with New Dependency

```
oject xmlns="http://maven.apache.org/POM/4.0.0"
     xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
     xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
                 http://maven.apache.org/maven-v4_0_0.xsd">
  <groupId>com.pluralsight
  <artifactId>HelloWorld</artifactId>
  <version>1.0-SNAPSHOT
  <modelVersion>4.0.0</modelVersion>
  <dependencies>
    <dependency>
       <groupId>org.apache.commons</groupId>
       <artifactId>commons-lang3</artifactId>
       <version>3.12.0
    </dependency>
  </dependencies>
```

Goals

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clean

compile

package

install

deploy

~/.m2/repository

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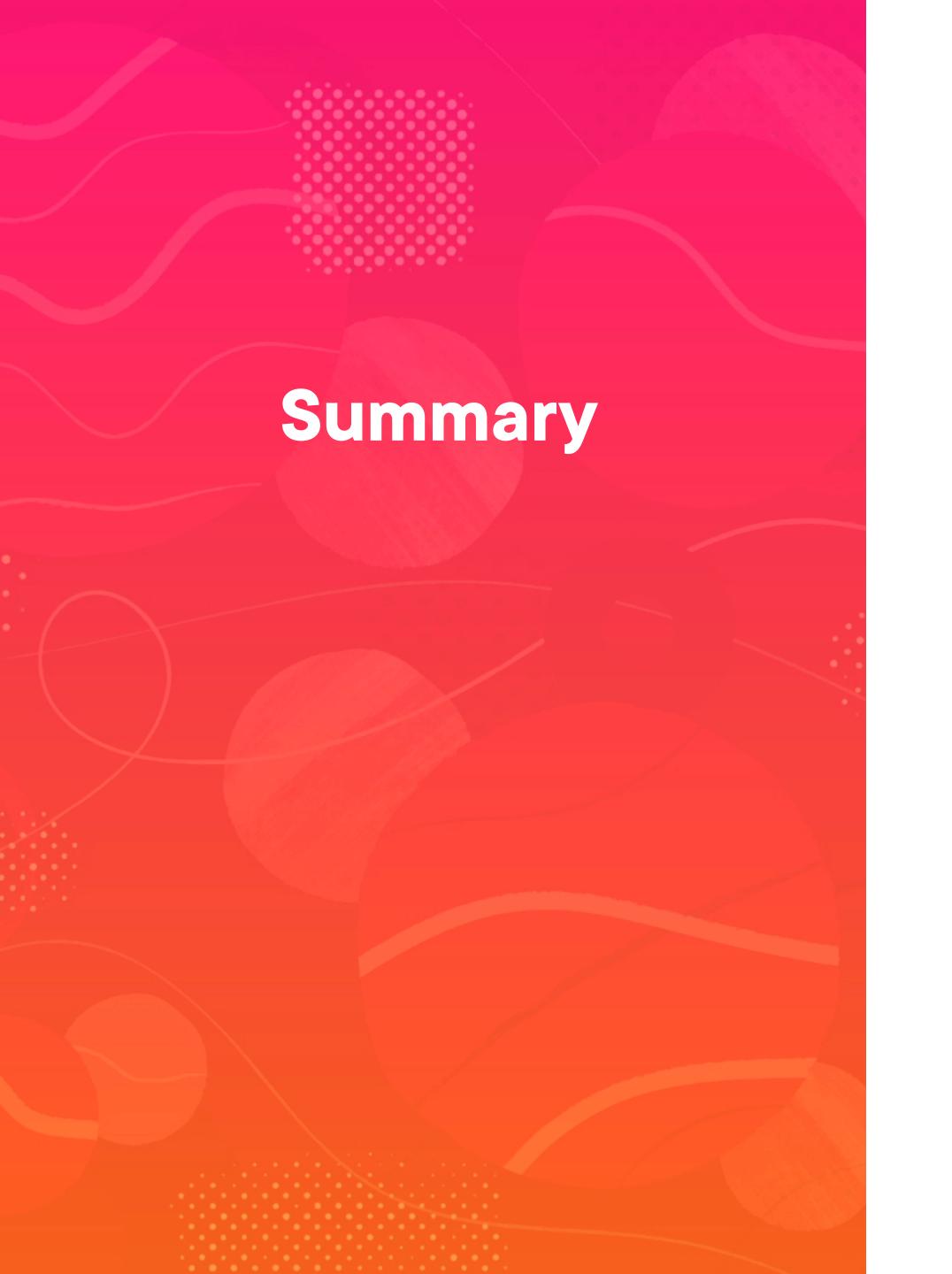
Maven storage

~/.m2/repository

Stores artifact using info

<groupId>/<artifactId>/<version>

Avoids duplication



src/main/java

target

Pom sections

Dependency

Goals

~/.m2/repository