Structure



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Outline

Folder Structure

POM File Basics

Basic Commands and Goals

Dependencies

Local Repo

```
▼ HelloWorld
▼ # src/main/java
▼ # (default package)
▶ I HelloWorld.java
▶ M JRE System Library [Java SE 10.0.1 [10.0.1]]
▶ Serc
★ target
M pom.xml
▶ Servers
```

src/main/java
target
pom.xml

src/main/java

Java Code
Package Declaration
Other Languages

Testing

- - Classes

 - maven-status
 - test-classes
 - HelloWorld-1.0-SNAPSHOT.jar

Compilation Directory

Tests

Package Contents

pom.xml

```
<qroup:a>com.pturatstgnt/qroup:a>
<artifactId>HelloWorld</artifactId>
<version>1.0-SNAPSHOT/version>
<modelVersion>4.0.0</modelVersion>
cmodelVersion> jar/packaging>
```

</project>

Dependencies

Naming Convention
groupId, artifactId, 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</version>
  <modelVersion>4.0.0</modelVersion>
  <dependencies>
     <dependency>
       <groupId>org.apache.commons</groupId>
       <artifactId>commons-lang3</artifactId>
       <version>3.8.1
     </dependency>
  </dependencies>
```

</project>

Goals

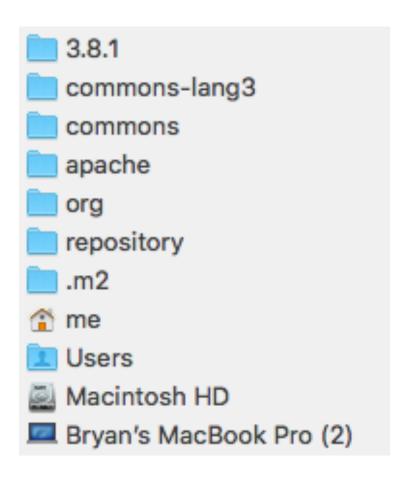
clean

compile

package

install

deploy



Maven storage

-/.m2/repository

Stores artifact using info

<groupId>/<artifactId>/<version>

Avoids duplication

Defaults

Maven

Build

Structure

Summary

src/main/java

target

Pom sections

Goals

Dependency

~/.m2/repository

Defaults