

Maven Commands

Commands

Common every-day commands

Command	Description
mvn clean install	Clean, build and test
mvn clean install -DskipTests	Don't run tests
mvn compile	
mvn package	
mvn test	
mvn -Ptest,verifier,all,dev-test install -Dit.test=LocalStorageTest	Run a test

Project startup

Command	Description
>mvn archetype: generate archetype: 888 version: <pick latest> groupId: com. company.something artifactId: AppName (will translate to the jar /war built) version: 1.0- SNAPSHOT package: <groupId value>	Create a new maven project. This command will setup the basic directory structure used by maven projects. You will be prompted for an a number of parameters. For groupId, input your company name or base package name for your code. For artifactId, input t=your application name.

Maven Lifecycle

Maven defines number of phases. Here are a few:

Lifecycle	Description
validate	Validates your project
compile	Compiles your code
test	Runs your tests
package	Packages your code
install	Packages and installs to your local repository
deploy	When publishing your artifact to a public repository (Not typically used)

Dependencies

In the sample pom.xml file below we can see that we have a dependency on the junit library for the test scope.

pom.xml

```
<project 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/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <groupId>com.company</groupId>
  <artifactId>myApp</artifactId>
  <version>1.0-SNAPSHOT</version>
  <packaging>jar</packaging>
  <name>myApp</name>
  <url>http://maven.apache.org</url>
  <properties>
    <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
  </properties>
  <dependencies>
    <dependency>
      <groupId>junit</groupId>
      <artifactId>junit</artifactId>
      <version>3.8.1</version>
      <scope>test</scope>
    </dependency>
    ...
  </dependencies>
</project>
```