

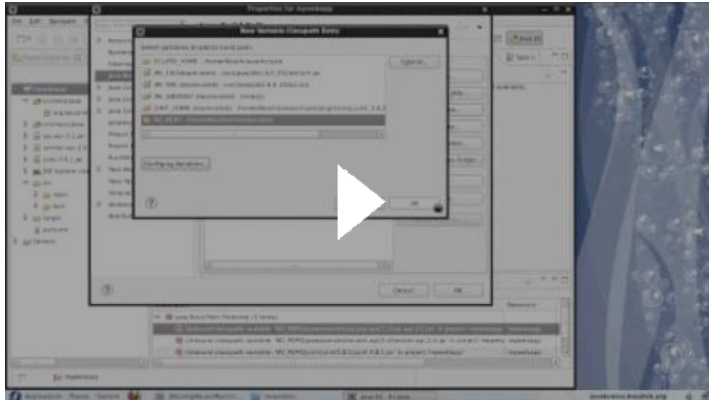
Maven

13 July 2019 07:19 PM

Maven

✓ [Maven Tutorial 08 - Eclipse Plugin for Maven and Maven Plugin for Eclipse](#)

16-07-19 06:18 AM



Maven commands

mvn archetype:generate -- gets all archetypes from maven repository

mvn compile -- compiles all java files

mvn package -- junits also will run

Mvn test -- to run all test cases

Mvn clean -- to clean target folder

Mvn jetty:run -- if you want to deploy your code on jetty server you do this where you have your pom file folder

This will compile and deploy ur code and start jetty server

You go to browser and open localhost:8080

So that default web page opens

You mention this in pom file using `<build>` `<plugins>`

Dependency is for code to have that jar

Build if for maven to have this plug in to run the code specified plugins like different servers

Archetype -- tells what type of project you want to create

groupId -- is package structure like com.javabrainz

artifactId -- is the jar file name that going to generate after we do mvn package in target folder usually it will be with name of Application name + snapshot

Version -- jar/war package name like snapshot.jar

Name -- application name. mostly artifact id and name will be same always

Different phases of maven

1.Validate -- checks the structure

2.Compile -- compiles main java files to create class files

3.Test -- creates test class files for all test java files in test folder

4.Package -- create artifact id (jar file) in group folder (package folder). Jar file will have all executable class files of java

5.Install -- to move the jar file to local repository. This jar may have dependency with your other project can use mentioning dependency in other project pom file.

6.Deploy -- to move your artifact id to remote repository. Generally you want unless you want to move anything specific to remote maven repository.

Install and deploy are not actual install and deploy that we do deploy code to server. It's related to maven only here.

All phases are inter dependent on sequence order

Let's say, if we run mvn test, it will run all above phases first.