**Maven**

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Software project management and comprehension tool

Manage a project's build, reporting and documentation from a central piece of information

It manage:

Builds

Documentation

Reporting

Dependencies

SCMs

Releases

Distribution

Mailing list

Uses Convention over Configuration

Developers do not have to mention each and every configuration detail. Maven provides sensible default behavior for projects

${basedir} denotes the project location:

source code ${basedir}/src/main/java

Resources ${basedir}/src/main/resources

Tests ${basedir}/src/test

Complied byte code ${basedir}/target

distributable JAR ${basedir}/target/classes

Provides developers with options to mention life-cycle goals and project dependencies

Developers can build any given Maven project without the need to understand how the individual plugins work

Features of Maven

Simple project setup that follows best practices.

Consistent usage across all projects.

Dependency management including automatic updating.

A large and growing repository of libraries.

Extensible, with the ability to easily write plugins in Java or scripting languages.

Instant access to new features with little or no extra configuration.

Model-based builds − Maven is able to build any number of projects into predefined output types such as jar, war, metadata.

Coherent site of project information − Using the same metadata as per the build process, maven is able to generate a website and a PDF including complete documentation.

Release management and distribution publication − Without additional configuration, maven will integrate with your source control system such as CVS and manages the release of a project.

Backward Compatibility − You can easily port the multiple modules of a project into Maven 3 from older versions of Maven. It can support the older versions also.

Automatic parent versioning − No need to specify the parent in the sub module for maintenance.

Parallel builds − It analyzes the project dependency graph and enables you to build schedule modules in parallel. Using this, you can achieve the performance improvements of 20-50%

Better Error and Integrity Reporting − Maven improved error reporting, and it provides you with a link to the Maven wiki page where you will get full description of the error.

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<https://maven.apache.org/download.cgi>

Bajar el Binary zip archive, el de Link > descomprimirlo > Llevar la carpeta a archivos de programa

Copiar la ruta

Abrir las variables del sistema > New arriba > MAVEN\_HOME

M2\_HOME

Abajo agregar MAVEN\_HOME en path agregando bin

En el cmd > mvn –version

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