

Intro to Maven

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- Maven is a popular open-source build tool that the Apache Group developed for building, publishing, and deploying several projects. Maven is written in Java and is used to create projects written in C#, Scala, Ruby, and so on. The tool is used to build and manage any Java-based project. It simplifies the day-to-day work of Java developers and helps them with various tasks.



(Figure-1.0) - Maven

Maven is based on Project Object Model (POM) and focuses on simplification and standardization of the building process.

During the process, Maven takes care of the following elements:

- Builds
- Dependencies
- Reports
- Distribution
- Releases
- Mailing list

What Is a Build Tool?

- A build tool is essential for the process of building, as these are the tools that automate the process of creating applications from the source code. The build tool compiles and packages the code into an executable form.

A build tool does the following tasks:

- Generates source code
- Generates documentation from the source code
- Compiles source code
- Packages the compiled codes into JAR files
- Installs the packaged code in the local repository, server, or central repository.

You can download and install maven on windows, Linux and MAC OS platforms. Here, we are going to learn how to install maven on windows OS.

To install maven on windows, you need to perform following steps