

Maven Plugins



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Outline

Goals

Phases

Compiler plugin

Jar plugin

Sources plugin

Javadoc plugin

Goals

Default Goals

clean, compile, test, package, install, deploy

Super pom has goals defined

Inherently added to the effective pom

Plugin

```
<plugin>
  <artifactId>maven-clean-plugin</artifactId>
  <version>3.2.0</version>
  <executions>
    <execution>
      <id>clean</id>
      <phase>clean</phase>
      <goals>
        <goal>clean</goal>
      </goals>
    </execution>
  </executions>
</plugin>
```

Phases

validate

Validate project and structure

compile

Compile any source in the project

test

Test the compiled code

package

Packages the code in the specified package type

Phases

`integration-test`

Deploy and run integration tests

`verify`

Run checks to verify integrity

`install`

Install package in local repo

`deploy`

Copy package to remote repo

```
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-compiler-plugin</artifactId>
  <version>3.11.0</version>
  <configuration>
    <release>17</release>
  </configuration>
</plugin>
```

Compiler Plugin

javac
Defaults to older JVM
<configuration/>



maven-compiler-plugin

Jar Plugin



Package
Package phase
Configuration
includes/excludes
Manifest

maven-jar-plugin

org.apache.maven.plugins

maven-jar-plugin

3.3.0

Include xml

Source Plugin



Package source code

Package phase

Overridden to later phase

maven-source-plugin

org.apache.maven.plugins

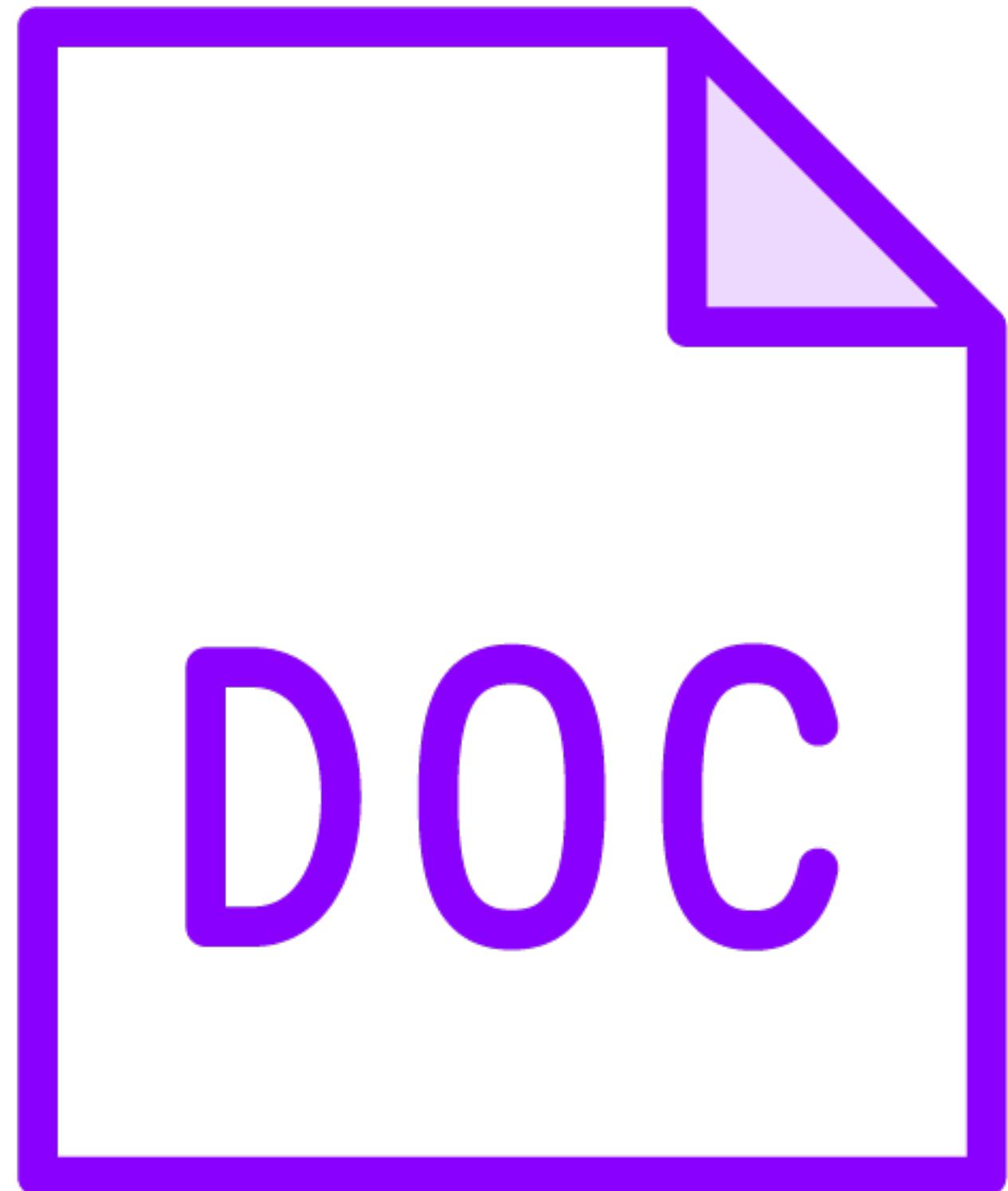
maven-source-plugin

3.2.1

jar

install

Javadoc Plugin



Package javadocs

Package phase

Overridden to later phase

Defaults

Many customization options

maven-javadoc-plugin

org.apache.maven.plugins

maven-javadoc-plugin

3.5.0

jar

install

Summary

Goals

Plugins

Compiler plugin

Jar plugin

Source and Javadocs