Plugins



Bryan Hansen

http://completeprogrammer.com

twitter: @completeprog

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>
   <artifactId>maven-clean-plugin</artifactId>
   <version>3.1.0</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

Compiler Plugin

Invokes javac

Defaults older

Configuration

fork

Memory

source/target

Jar Plugin



Package

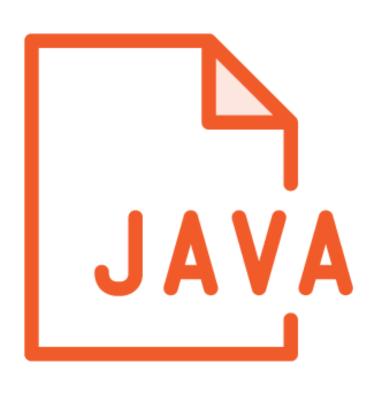
Package phase

Configuration

includes/excludes

Manifest

Source Plugin



Package source code

Package phase

Overridden to later phase

Javadoc Plugin



Package javadocs

Package phase

Overridden to later phase

Defaults

Many customization options

Summary

Goals

Plugins

Compiler plugin

Jar plugin

Source and Javadocs