

Available Plugins

Maven is - at its heart - a plugin execution framework; all work is done by plugins. Looking for a specific goal to execute? This page lists the core plugins and others. There are the build and the reporting plugins:

- **Build plugins** will be executed during the build and they should be configured in the `<build/>` element from the POM.
- **Reporting plugins** will be executed during the site generation and they should be configured in the `<reporting/>` element from the POM. Because the result of a Reporting plugin is part of the generated site, Reporting plugins should be both internationalized and localized. You can read more about the [localization of our plugins](#) and how you can help.

Supported By The Maven Project

To see the most up-to-date list browse the Maven repository, specifically the `org/apache/maven/plugins` subfolder. (Plugins are organized according to a directory structure that resembles the standard Java package naming convention)

Plugin	Type*	Version	Release Date	Description	Source Repository	Issue Tracking
<u>Core plugins</u>				Plugins corresponding to default core phases (ie. clean, compile). They may have multiple goals as well.		
<code>clean</code>	B	<u>2.6.1</u>	2014-10-26	<u>Clean up after the build.</u>	SVN	JIRA
<code>compiler</code>	B	<u>3.3</u>	2015-03-26	<u>Compiles Java sources.</u>	SVN	JIRA
<code>deploy</code>	B	<u>2.8.2</u>	2014-08-27	<u>Deploy the built artifact to the remote repository.</u>	SVN	JIRA
<code>failsafe</code>	B	2.18.1	2014-12-28	Run the JUnit integration tests in an isolated classloader.	GIT	JIRA
<code>install</code>	B	<u>2.5.2</u>	2014-08-27	<u>Install the built artifact into the local repository.</u>	SVN	JIRA
<code>resources</code>	B	<u>2.7</u>	2014-09-29	<u>Copy the resources to the output directory for including in the JAR.</u>	SVN	JIRA

site	B	3.4	2014-07-07	Generate a site for the current project.	SVN	JIRA
surefire	B	2.18.1	2014-12-28	Run the JUnit unit tests in an isolated classloader.	GIT	JIRA
verifier	B	1.1	2015-04-14	Useful for integration tests - verifies the existence of certain conditions.	SVN	JIRA
Packaging types/tools				These plugins relate to packaging respective artifact types.		
ear	B	2.10.1	2015-06-27	Generate an EAR from the current project.	SVN	JIRA
ejb	B	2.5.1	2015-06-20	Build an EJB (and optional client) from the current project.	SVN	JIRA
jar	B	2.6	2015-03-09	Build a JAR from the current project.	SVN	JIRA
rar	B	2.4	2014-09-08	Build a RAR from the current project.	SVN	JIRA
war	B	2.6	2015-01-08	Build a WAR from the current project.	SVN	JIRA
app-client/acr	B	1.1	2014-09-02	Build a JavaEE application client from the current project.	SVN	JIRA
shade	B	2.4.1	2015-07-14	Build an Uber-JAR from the current project, including dependencies.	SVN	JIRA
source	B	2.4	2014-10-07	Build a source-JAR from the current project.	SVN	JIRA
Reporting plugins				Plugins which generate reports, are configured as reports in the POM and run under the		

				site generation lifecycle.		
changelog	R	2.3	2014-06-24	Generate a list of recent changes from your SCM.	SVN	JIRA
changes	B+R	2.11	2014-09-28	Generate a report from an issue tracker or a change document.	SVN	JIRA
checkstyle	B+R	<u>2.16</u>	2015-07-20	<u>Generate a</u> Checkstyle report.	SVN	JIRA
doap	B	1.2	2015-03-17	Generate a Description of a Project (DOAP) file from a POM.	SVN	JIRA
docck	B	1.1	2015-04-03	Documentation checker plugin.	SVN	JIRA
javadoc	B+R	<u>2.10.3</u>	2015-04-14	<u>Generate</u> Javadoc for the project.	SVN	JIRA
jxr	R	<u>2.5</u>	2014-11-02	<u>Generate a</u> source cross reference.	SVN	JIRA
linkcheck	R	1.2	2014-10-08	Generate a Linkcheck report of your project's documentation.	SVN	JIRA
pmd	B+R	<u>3.5</u>	2015-07-06	<u>Generate a</u> PMD report.	SVN	JIRA
project-info-reports	R	2.8	2015-01-05	Generate standard project reports.	SVN	JIRA
surefire-report	R	<u>2.18.1</u>	2014-12-28	<u>Generate a</u> report based on the results of unit tests.	GIT	JIRA
Tools				These are miscellaneous tools available through Maven by default.		
ant	B	2.4	2014-12-15	<u>Generate an</u> Ant build file for the project.	SVN	JIRA
antrun	B	1.8	2014-12-26	Run a set of ant tasks from a phase of the	SVN	JIRA

				build.		
<code>archetype</code>	B	2.3	2015-03-13	<u>Generate a skeleton project structure from an archetype.</u>	SVN	JIRA
<code>assembly</code>	B	2.5.5	2015-06-04	<u>Build an assembly (distribution) of sources and/or binaries.</u>	SVN	JIRA
<code>dependency</code>	B+R	2.10	2015-01-27	<u>Dependency manipulation (copy, unpack) and analysis.</u>	SVN	JIRA
<code>enforcer</code>	B	1.4	2015-01-29	<u>Environmental constraint checking (Maven Version, JDK etc), User Custom Rule Execution.</u>	SVN	JIRA
<code>gpg</code>	B	1.6	2015-01-19	Create signatures for the artifacts and poms.	SVN	JIRA
<code>help</code>	B	2.2	2013-02-23	<u>Get information about the working environment for the project.</u>	SVN	JIRA
<code>invoker</code>	B+R	2.0.0	2015-06-27	Run a set of Maven projects and verify the output.	SVN	JIRA
<code>jarsigner</code>	B	1.4	2015-01-21	Signs or verifies project artifacts.	SVN	JIRA
<code>patch</code>	B	1.2	2015-03-09	Use the gnu patch tool to apply patch files to source code.	SVN	JIRA
<code>pdf</code>	B	1.3	2015-02-16	Generate a PDF version of your project's documentation.	SVN	JIRA
<code>plugin</code>	B+R	3.4	2015-01-04	Create a Maven plugin descriptor for any mojos found in the source tree, to include in the JAR.	SVN	JIRA

release	B	2.5.2	2015-04-22	<u>Release the current project - updating the POM and tagging in the SCM.</u>	SVN	JIRA
remote-resources	B	1.5	2013-08-14	Copy remote resources to the output directory for inclusion in the artifact.	SVN	JIRA
repository	B	2.4	2015-02-22	Plugin to help with repository-based tasks.	SVN	JIRA
scm	B	1.9.4	2015-04-01	<u>Execute SCM commands for the current project.</u>	GIT	JIRA
scm-publish	B	1.1	2014-05-18	Publish your Maven website to a scm location.	SVN	JIRA
stage	B	1.0	2015-03-03	Assists with release staging and promotion.	SVN	JIRA
toolchains	B	1.1	2014-11-12	Allows to share configuration across plugins.	SVN	JIRA
IDEs				Plugins that simplify integration with integrated developer environments.		
eclipse	B	2.10	2015-05-27	<u>Generate an Eclipse project file for the current project.</u>	SVN	JIRA

* **Build or Reporting plugin**

There are also some sandbox plugins into our [source repository](#).

Previous archived versions of plugins reference documentations are [located here](#).

Retired

Plugin	Type*	Version	Retired Date	Description
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idea	B	2.2.1	2013-07-26	Create/update an IDEA workspace for the current project (individual modules are created as IDEA modules)
one	B	1.3	2013-07-30	A plugin for interacting with legacy Maven 1.x repositories and builds.
reactor	B	1.1	2014-03-24	Build a subset of interdependent projects in a reactor (Maven 2 only).

Outside The Maven Land

At codehaus.org

Due to the shutdown of codehaus.org all plugins are under transition to the new location. This means that currently some of the links might be invalid. We are continuously cleaning up the links.

There are also many plug-ins available at the [MojoHaus](#) project at GitHub.

Here are a few common ones:

Plugin (see complete list with version)	Description
animal-sniffer	Build signatures of APIs (JDK for example) and checks your classes against them.
build-helper	Attach extra artifacts and source folders to build.
castor	Generate sources from an XSD using Castor.
clirr	Compare binaries or sources for compatibility using Clirr
javacc	Generate sources from a JavaCC grammar.
jdepend	Generate a report on code metrics using JDepend.
nar-maven-plugin	Compiles C, C++, Fortran for different architectures.
native	Compiles C and C++ code with native compilers.
sql	<u>Executes</u> SQL scripts from files or inline.
taglist	Generate a list of tasks based on tags in your code.
versions	<u>Manage</u> versions of your project, its modules, dependencies and plugins.

At code.google.com

There are also many plug-ins available at the [Google Code](#).

Misc

A number of other projects provide their own Maven plugins. This includes:

Plugin	Maintainer	Description
cargo	Cargo Project	Start/stop/configure J2EE containers and deploy to them.
clover	Atlassian Clover	<u>Generate</u> a Clover report.
jetty	Jetty Project Eclipse	Jetty <u>Run a</u> Jetty container for rapid webapp development.
jalopy	Triemax	Use Jalopy to format your source code.
rat	Apache Creadur Project	Release Audit Tool (RAT) to verify files.
Genesis Plugins	Apache Geronimo Project	Verify legal files in artifacts.
Apache Tomcat	Apache Tomcat Project	<u>Run an</u> Apache Tomcat container for rapid webapp development.

Resources

1. [Guide to Configuring Plugins](#)