



# Maven Project Plugin

## Plugin Information

View Maven Integration [on the plugin site](#) for more information.

 Older versions of this plugin may not be safe to use. Please review the following warnings before using an older version:

- [Maven plugin bundles commons-httpclient library vulnerable to man-in-the-middle attacks](#)

 **Maven jobs and Java versions compatibility** : Because java serialized classes are exchanged between Jenkins master and Maven Jobs it is required that the JVM used to launch Maven is superior or equal to the version of Java for which Jenkins Master is built for.

- Jenkins >= 1.520 requires Java 6 thus Maven jobs must be launched with Java >= 6.
- Jenkins >= 1.612 requires Java 7 thus Maven jobs must be launched with Java >= 7.
- Jenkins >= 2.54 requires Java 8 thus Maven jobs must be launched with Java >= 8.


See also [JENKINS-18403](#), [JENKINS-28294](#)


If Jenkins detects that you are trying to use a JDK older than the master prerequisite, it automatically reconfigure your build to use the JDK on which your agent is running. It displays in your build logs a message like :



```
ERROR: =====
ERROR: Invalid project setup: hudson/maven/AbstractMavenProcessFactory$ConfigureOriginalJDK :
Unsupported major.minor version 51.0
ERROR: [JENKINS-18403][JENKINS-28294] JDK 'j6' not supported to run Maven projects.
ERROR: Maven projects have to be launched with a Java version greater or equal to the minimum version
required by the master.
ERROR: Use the Maven JDK Toolchains (plugin) to build your maven project with an older JDK.
ERROR: Retrying with slave Java and setting compile/test properties to point to /Library/Java
/JavaVirtualMachines/1.6.0.jdk/Contents/Home/.
ERROR: =====
```

But due to the remoting upgrade in Jenkins 2.27+ this workaround doesn't work anymore if your agent or maven job is using Java < 7 - [JENKINS-40990](#) (Because remoting is compiled for Java 7)

 Known issues are listed [in Jira](#).

 Historically this plugin was released alongside Jenkins core releases. Since version 2.0 this plugin is released separately, but still bundled with Jenkins - though not always the newest version of the plugin might be bundled.

This plugin provides an advanced integration for Maven 2/3 projects.

Even if Jenkins provides natively a Maven builder to use a build step in classical Jenkins jobs (freestyle, ...) this plugin provides a more advanced integration with specific a specific job type providing uniq features like:

- Automatic configuration of reporting plugins (JUnit, Findbugs, ...)
- Automatic triggering across jobs based on SNAPSHOTS published/consumed
- Incremental build - only build changed modules
- Build modules in parallel on multiple executors/nodes
- Post build deployment of binaries only if the project succeeded and all tests passed
- ...

See [Building a maven2 project](#) for more information on how to use this.

## Environment Variables

This plugin exposes variables found from the project's POM (as of version 2.1):

- POM\_DISPLAYNAME
- POM\_VERSION
- POM\_GROUPID

- POM\_ARTIFACTID
- POM\_PACKAGING

And many others features provided by Jenkins plugins ecosystem


- [Release Notes](#)
  - [Version 3.2 \(November 30th, 2018\)](#)
  - [Version 3.1.2 \(March 27th, 2018\)](#)
  - [Version 3.1.1 \(March 25th, 2018\)](#)
  - [Version 3.1 \(January 24th, 2018\)](#)
  - [Version 3.0 \(October 6th, 2017\)](#)
  - [Version 2.17 \(July 10, 2017\)](#)
  - [Version 2.16 \(June 08, 2017\)](#)
  - [Version 2.15.1 \(Feb 16, 2017\)](#)
  - [Version 2.15 \(Feb 16, 2017\)](#)
  - [Version 2.14 \(Oct 18, 2016\)](#)
  - [Version 2.13 \(May 19, 2016\)](#)
  - [Version 2.12.1 \(Oct 01, 2015\)](#)
  - [Version 2.12 \(Aug 27, 2015\)](#)
  - [Version 2.11 \(Aug 07, 2015\)](#)
  - [Version 2.10 \(Jun 08, 2015\)](#)
  - [Version 2.9 \(March 18, 2015\)](#)
  - [Version 2.8 \(Nov 21, 2014\)](#)
  - [Version 2.7 \(Oct 10, 2014\)](#)
  - [Version 2.6 \(Aug 11 2014\)](#)
  - [Version 2.5 \(Jul 11 2014\)](#)
  - [Version 2.4 \(Jul 03 2014\)](#)
  - [Version 2.3 \(Apr 30 2014\)](#)
  - [Version 2.2 \(Apr 3 2014\)](#)
  - [Version 2.1 \(Dec 17 2013\); requires 1.538+](#)
  - [Version 2.0.4 \(Jul 03 2014\)](#)
  - [Version 2.0.3 \(Jan 28, 2014\)](#)
  - [Version 2.0.2 \(Jan 23, 2014\)](#)
  - [Version 2.0.1 \(Jan 04, 2014\)](#)
  - [Version 2.0 \(Oct 22, 2013\)](#)

## Release Notes


### Version 3.2 (November 30th, 2018)

-  Fixed: remove anonymous classes ([JENKINS-53481](#))






### Version 3.1.2 (March 27th, 2018)

-  Fixed: JEP-200 failure to serialize Notifier, used when <ciManagement> specifies email configuration. ( [JENKINS-50251](#) - Getting issue details... STATUS ) - Take 2 - fix a potential NPE






### Version 3.1.1 (March 25th, 2018)



-  Fixed: JEP-200 failure to serialize Notifier, used when <ciManagement> specifies email configuration. ( [JENKINS-50251](#) - Getting issue details... STATUS )

### Version 3.1 (January 24th, 2018)




-  Fixed: the perform method should be passing the loop-variable 'moduleBuild' to tdp.getTestData ( [PR#12](#) )
-  Fixed: UnsupportedOperationException: Refusing to marshal org.apache.maven.artifact.versioning.DefaultArtifactVersion for security reasons ( [JENKINS-49089](#) - Getting issue details... STATUS )
-  Fixed: Forbid nested references to model objects ( [JENKINS-45892](#) - Getting issue details... STATUS )
-  Internal: Update to Apache HttpComponents Client API 4.5.3-2.1
-  Internal: Update Lib Maven Embedder to 3.13
- Includes: [PR#12](#), [PR#105](#), [PR#106](#), [PR#108](#), [PR#109](#), [PR#111](#), [PR#112](#)

### Version 3.0 (October 6th, 2017)



-  Fixed: Global environment variables are not being resolved in Email Notification Recipients list for maven 2/3 projects ([JENKINS-13277](#))
-  Fixed: Allow to automatically trigger jobs when a project import the dependencyManagement of another ([JENKINS-15883](#))
-  Internal: Update HttpClient and use the client from [Apache HttpComponents Client 4.x API Plugin](#) ([JENKINS-46053](#), [JENKINS-46210](#))
-  Internal: Use the JSch library from the [JSch Plugin](#)
-  Internal: Fix Parent POM ([JENKINS-45271](#))

-  Internal: Maven Plugin uses obsolete maven methods ([JENKINS-46148](#))
-  Stop bundling libraries, which are provided by the core (e.g. Guava)
  - Note that some of the changes may lead to compatibility issues in the plugin dependencies








### Version 2.17 (July 10, 2017)

-  Fixed: Maven version detection fails on same agent with 'java.lang.IllegalStateException: zip file closed' exception. Update the Maven Embedder Lib to 3.12.1 :
  - [JENKINS-42549](#) - Prevent file access errors in `JARURLConnection` due to the parallel reading of JAR resources in `MavenEmbedderUtils#getMavenVersion()` (regression in 3.12)
  - [JENKINS-40621](#) - Prevent leaked file descriptors when invoking `MavenEmbedderUtils#getMavenVersion()` ([PR #5](#))
-  Update: Update plugin description in the plugin manager ( Maven plugin is not being installed by default starting from Jenkins 2 ) ( [PR#99](#) )
-  Update: Remove the message about jenkinsci-users ML ( [PR#97](#) )

### Version 2.16 (June 08, 2017)

-  Fixed: Support of Maven 3.5 (due to non backward compatible change in Apache Maven 3.5) ( [JENKINS-43446](#) )
-  Fixed: fix typo in image sources ([JENKINS-42833](#))


### Version 2.15.1 (Feb 16, 2017)












-  Fixed: Maven projects using Maven 3.0.x don't show annotations in console log since 2.44 / 2.32.2 ( [JENKINS-41636](#), [SECURITY-382](#) )
-  Fixed: Prevent leaked file descriptors when invoking `MavenEmbedderUtils#getMavenVersion()` ( [JENKINS-40621](#) )
-  Fixed: NullPointerException when Jenkins uses by error the Maven 3.2.x launcher with a project using Maven 3.3.x ( [JENKINS-41761](#) )
-  Fixed: StackOverflowError when parsing Maven POM ( [JENKINS-41697](#), [JENKINS-42183](#) ). It seems to impact only users of Jenkins >= LTS 2.32.1 (and thus probably users of weekly releases >= 2.28 where guice was upgraded to version 4.0 final)
-  Update: Use Apache Maven Owl logo instead of the Apache Feather ( We don't have the rights ) ( [JENKINS-38960](#) )
-  Internal: Fix tests for Jenkins 2, use a minimum set of permalinks instead of a fixed set ( [JENKINS-40949](#) )
-  Internal: Update dependencies
  - Do not bundle Guice (we pick it up from core).
  - Update Sonatype Aether 0.9.0.M2 to Eclipse Aether 1.1.0
  - Update Apache Wagon 2.4 to 2.12 which solves various issues (like SNI support - [JENKINS-40903](#), [JENKINS-38738](#) ) to download dependencies in `Parsing POM` or upload artifacts from the post build deployment task.
  - Internal: Upgrade lib-jenkins-maven-embedder 3.11 to 3.12

### Version 2.15 (Feb 16, 2017)

Release failed .... thx repo.jenkins-ci.org

### Version 2.14 (Oct 18, 2016)

 Requires now Jenkins >= 1.625.3 and Java >= 7

-  Fixed: Failed maven builds using -T are showing up as Aborted ( [JENKINS-24832](#) )
-  Fixed: Apache Maven 3.3 support and toolchains integration ( [JENKINS-28629](#), [JENKINS-28420](#) )
-  Fixed: Option "Schedule build when some upstream has no successful builds" is never saved ( [JENKINS-37937](#) )
-  Fixed: With Jenkins 2.x Maven configuration screen is linking to the wrong configuration page when you have no maven installation configured ( [JENKINS-38923](#), [JENKINS-36068](#), [JENKINS-34743](#) )
-  Fixed: Release builds should not trigger downstream projects ( [JENKINS-34789](#) )
-  Fixed: Redeploy publisher must reuse global maven settings from the slave ( [JENKINS-27161](#) )
-  Fixed: Misleading "JDK 5 not supported with Maven" error with Jenkins >= 1.612 and JDK 6 ( [JENKINS-28294](#) )
-  New: Automatically detect tests from `com.simpligility.maven.plugins:android-maven-plugin:internal-integration-test`
-  Update: NL translation for `MavenProbeAction.DisplayName`
-  Internal: Remove usage of `IOException2`
-  Internal: Upgrade Sisu to 0.3.3 ( [JENKINS-38736](#) )

### Version 2.13 (May 19, 2016)

- [JENKINS-31162](#) New item categorization and dynamic choice offering
- [JENKINS-33387](#) Transient actions aren't displayed in Maven Jobs
- [JENKINS-31258](#) Jenkins Maven plug-in ignores JUnit-format test results from unknown Maven plug-ins
- [JENKINS-31524](#) SurefireArchiver ignores updated results when multiple testing plug-ins use the same reports directory (See [Building a maven2 project - Maven Surefire Test Results](#))
- [JENKINS-28147](#) Perform Environment tearDown if BuildWrapper fails
- [JENKINS-7010](#) Maven settings configured at Maven job level aren't used inside the promotion step
- [JENKINS-4428](#) MavenProbeAction exposes password parameters
- [JENKINS-32635](#) New option ignoreUnsuccessfulUpstreams. If checked, Jenkins will schedule build even if some upstream project has no successful builds. If not checked, Jenkins will not schedule build when some SNAPSHOT if any other upstream project has no successful builds on this Jenkins.

### Version 2.12.1 (Oct 01, 2015)

- [JENKINS-22252](#) Reverting fix for [JENKINS-26947](#) due to serious regression (`IllegalAccessError on AbstractMapBasedMultimap`).

## Version 2.12 (Aug 27, 2015)

- [JENKINS-26947](#) Forcibly terminate Maven remoting channel when upstream channel is closed.
- [JENKINS-21746](#) Introduced `TcpSocketHostLocator` extension point. Using newer interceptors library.

## Version 2.11 (Aug 07, 2015)

This version requires Jenkins 1.580.1 or later.

- [JENKINS-25272](#) Update [JENKINS-18403](#) workaround for newer Jenkins versions: allow projects to be built using JDK 5.
- [JENKINS-25625](#) Simplified dependencies for development from other plugins.

## Version 2.10 (Jun 08, 2015)

- [JENKINS-25406](#) Error running Maven builds including static analysis on new core under some conditions.
- Improved logging of incremental build behavior.

## Version 2.9 (March 18, 2015)

- nothing special :-) see commits logs

## Version 2.8 (Nov 21, 2014)

- [issue #25691](#) Redeploy link is displayed to Anonymous users with read only permissions for a job

## Version 2.7 (Oct 10, 2014)

- [issue #11964](#) Cannot build a single module in a Maven multi-module job with Maven 3
- [issue #11078](#) `NullPointerException` in `hudson.maven.Maven3Builder$MavenExecutionListener.recordProjectStarted`
- [issue #20884](#) Variable expansion in maven goals
- [issue #21903](#) Unless the user has requested to block when upstream is building, do not skip triggering a downstream build just because an upstream is building.
- [issue #4861](#) Use newer version of transitive plexus-utils dependency that allows to correctly deploy artifacts using scpexe.
- [issue #24282](#) Use noun phrases for new items
- run a full build if build was triggered by upstream (snapshot dependency)
- translation updates

## Version 2.6 (Aug 11 2014)

- [JENKINS-23263](#) Code change to prepare for split of JUnit plugin from core.
- Better diagnostic logging in case dependency graph calculation fails.
- [JENKINS-23686](#) New reverse build trigger (1.560+) made to work with a Maven project downstream.
- Improved checkbox appearance in configuration UI.

## Version 2.5 (Jul 11 2014)

- [JENKINS-23098](#) Deadlocks when running builds with `-T` (concurrency).

## Version 2.4 (Jul 03 2014)

- Better handle errors from `MavenReporter.postExecute`.
- Incorrect root element for module `config.xml` files.
- Handling new names for SOAPUI extension.
- [JENKINS-11333](#) Allow users to disable automatic fingerprinting, but add in explicit fingerprinting if desired.
- Improved consistency of labels.
- Localization and help fixes.
- [JENKINS-21014](#) Include verify lifecycle in upstream candidate calculation.

## Version 2.3 (Apr 30 2014)

- Fixed: Sites for nested Maven multi-modules projects deeper than one level are archived flat [issue #22673](#)
- Fixed: NPE while loading jobs [issue #22647](#)

## Version 2.2 (Apr 3 2014)

- Fixed: significant improvements in the Maven build performance [JENKINS-22354](#)
- Fixed: `NullPointerException` during parsing POM [JENKINS-21279](#)
- Fixed: `maven.build.timestamp.format` is not obeyed in maven buids [JENKINS-9693](#)
- New: Expose project actions of pre- and post- builders [JENKINS-20506](#)
- New: Use a pop-up dialog instead of extra page for confirmation if user wants to delete all disabled maven modules. ([pull request # 17](#))

## Version 2.1 (Dec 17 2013); requires 1.538+

- Fixed: don't save per-job `MAVEN_OPTS` if they're the same as the global ones [JENKINS-13926](#)

- New: Expose Maven properties (e.g. GAV) as environment variables [JENKINS-18272](#)
- Fixed: Abort module build when maven build is aborted [JENKINS-19801](#)
- Fixed: Show aggregated failures same way Matrix build does [JENKINS-19884](#)
- Fixed: Maven plugin sends email to 'null' adress [JENKINS-20209](#)
- Fixed: provide better error message if maven\_home isn't set [JENKINS-20385](#)
- Fixed: call postBuild after module build completion [JENKINS-20487](#)
- Fixed: Hacks used by MavenMailer to load config.jelly from plain Mailer broke in mailer 1.6 [JENKINS-21045](#)
- New: support for play2-maven-plugin

#### **Version 2.0.4 (Jul 03 2014)**

- [JENKINS-11333](#) Allow users to disable automatic fingerprinting, but add in explicit fingerprinting if desired.

#### **Version 2.0.3 (Jan 28, 2014)**

- Fixed regression in 2.0.2 that RedeployPublisher would delete artifacts from the build after running.

#### **Version 2.0.2 (Jan 23, 2014)**

- Temporary file leak when using [Cloudbees Deployer Plugin](#)

#### **Version 2.0.1 (Jan 04, 2014)**

- Fixed: don't save per-job MAVEN\_OPTS if they're the same as the global ones [JENKINS-13926](#)
- New: Expose Maven properties (e.g. GAV) as environment variables [JENKINS-18272](#)
- Fixed: Show aggregated failures same way Matrix build does [JENKINS-19884](#)
- Fixed: Maven plugin sends email to 'null' adress [JENKINS-20209](#)
- Fixed: provide better error message if maven\_home isn't set [JENKINS-20385](#)
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- Fixed: Hacks used by MavenMailer to load config.jelly from plain Mailer broke in mailer 1.6 [JENKINS-21045](#)
- New: support for play2-maven-plugin

#### **Version 2.0 (Oct 22, 2013)**

- Fixed: no errors logged in Jenkins' console if build failed ([JENKINS-19352](#))
- Fixed: too verbose logging in Maven builds ([JENKINS-19396](#))
- New: support notifications via the ciManagement section of the POM ([JENKINS-1201](#), [JENKINS-6421](#))
- Fixed: build may fail if master and slave use different VM types ([JENKINS-19978](#))
- Fixed: Set the correct status of a maven build, in case that one module has test failures and other module don't compile ([JENKINS-16522](#))