

Gradle Plugin

Plugin Information

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

This plugin makes it possible to invoke a [Gradle](#) build script as the main build step.

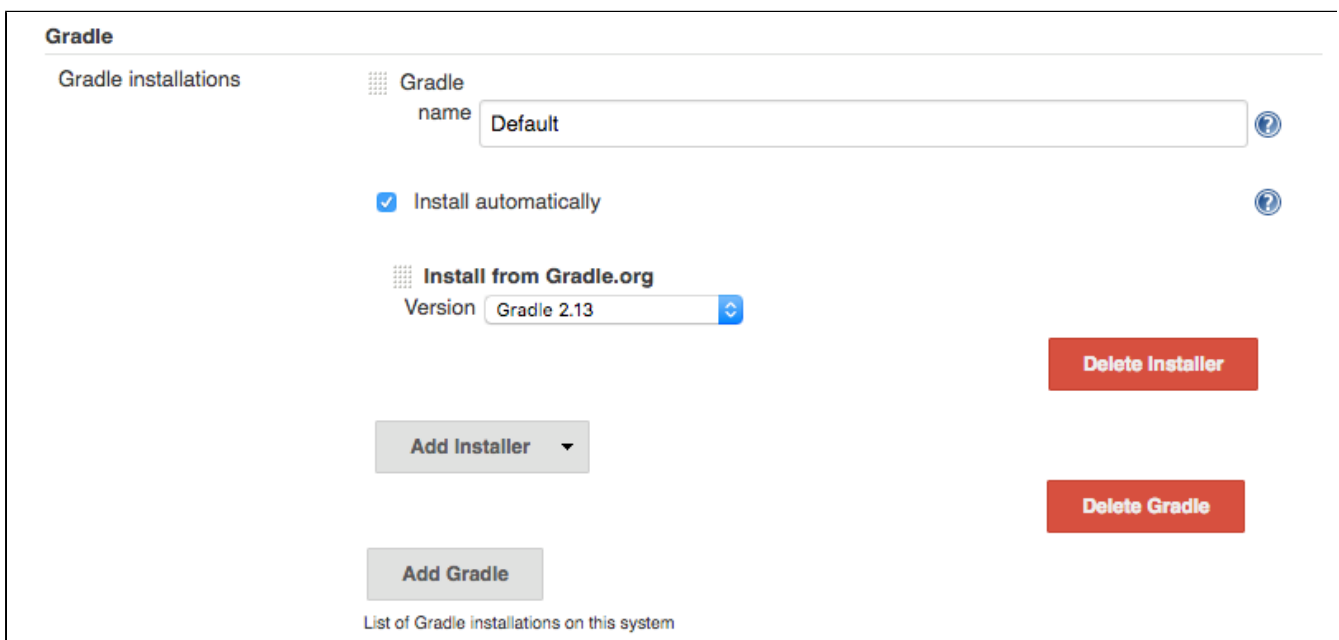
Description

This plugin adds [Gradle](#) Support to Jenkins. [Gradle](#) is managed as another tool inside Jenkins (the same way as Ant or Maven), including support for automatic installation and a new build step is provided to execute Gradle tasks.

Configuration

Gradle configuration is performed in the **Configure System** (before Jenkins 2.0) or **Global Tool Configuration** (starting in Jenkins 2.0). In both cases these options reside in the **Manage Jenkins** section.

In the **Gradle** section provided by this plugin, several installations can be configured:



The screenshot shows the Jenkins configuration page for the Gradle plugin. The page is titled "Gradle" and has a sub-section "Gradle installations". There is a table with one row for a Gradle installation named "Default". The "name" field is a text input with "Default" entered. To the right of the name field is a help icon. Below the name field is a checked checkbox labeled "Install automatically" with a help icon to its right. Below this is a section titled "Install from Gradle.org" with a "Version" dropdown menu set to "Gradle 2.13". At the bottom of the configuration area, there are four buttons: "Add Installer" (with a dropdown arrow), "Add Gradle", "Delete Installer", and "Delete Gradle". Below the buttons, there is a link that says "List of Gradle installations on this system".

The system provides both automatic installation, which can be performed by directly downloading from [the Gradle web site](#), extracting a compressed final or executing some shell commands.

Besides, for nodes which already has Gradle installed, the tool can be manually configured, by unchecking the **Install automatically** checkbox and providing the base path (`GRADLE_HOME`) of the installation.

Usage

The [Gradle](#) plugin provides an **Invoke Gradle script** build step.

Build

Invoke Gradle script ?

Invoke Gradle

Gradle Version (Default) ▼

Use Gradle Wrapper

Build step description ▼

Switches ▼ ?

Tasks ▼ ?

Root Build script ?

Build File ?

Specify Gradle build file to run. Also, [some environment variables are available to the build script](#)

Force GRADLE_USER_HOME to use workspace ?

Delete

The first configuration option is whether to use one of the installations configured in Jenkins (see previous section) or use the [Gradle Wrapper](#) which is the Gradle-provided mechanism to "embed" the use of a specific Gradle version in a build, installing it if necessary.

Other configuration options include:

- A description to use for the build step.
- Switches (options) to provide to the Gradle execution.
- Tasks to execute (if blank the defaults tasks of the build will be invoked).
- Path to the build script if different from the root directory of the build.
- Name of the build script if different from `build.gradle`.

If a [Gradle Build Scan](#) is produced during a build, then a link to it is added to the build page.

Build #23 (14.11.2016 19:40:47)

No changes.

Gestartet durch Benutzer [admin](#)

Revision: 5a45f592b0bdaaee99a910aa13f61274a55018b6

- refs/remotes/origin/master

[Gradle Build Scan](#)

Roadmap

- Using the Gradle API for accessing all the Gradle functionalities
- Providing a Maven-like or Ivy-like integration
 - Multi-project detection
 - Adding automatic tests result path detection
 - Listing executed tasks with time execution for each task
 - Providing a log for each module in a multi-project

Changelog

Release 1.29 (Jul 3rd 2018)

- Update licensing information in pom.xml.
- Support console annotations for Gradle 4.7 and later.

Release 1.28 (Oct 2 2017)

- Empty job parameters are passed as empty ([JENKINS-45300](#))
- Console annotator endless loop in combination with using the Ant plugin fixed ([JENKINS-46051](#))

Release 1.27 (Jun 23 2017)

- Increase required core version to 1.642.1
- Make finding wrapper location more robust on Windows
- Job parameters are now correctly quoted when passed as system properties ([JENKINS-42573](#) and [JENKINS-20505](#))
- Do not pass all job parameters as (system) properties to Gradle by default
- Include automated test for CLI command [JENKINS-42847](#)
- Ensure that Gradle's bin directory is on the path for Pipeline tool steps [JENKINS-42381](#)
- Add option to pass only selected system properties to Gradle
- Add option to pass only selected project properties to Gradle
- Progress status `FROM-CACHE` and `NO-SOURCE` are highlighted in the console, too.
- Support build scan plugin 1.8

Release 1.26 (Feb 13 2017)

- Use `@DataBoundSetter` instead of a (too) large `@DataBoundConstructor`
- Add `@Symbol` annotations for step and tool ([JENKINS-37394](#))
- Make it possible to configure the wrapper location ([JENKINS-35029](#))
- Update icon for build scan integration
- Remove description from build step

Release 1.25

- Update core dependency to 1.580.1 [JENKINS-34790](#)
- Fix for Gradle wrapper not working when Gradle version was previously selected ([JENKINS-24682](#))
- Long task names in console outline should not overlap console output ([JENKINS-26287](#))
- It is now possible to pass Gradle build parameters as project properties ([JENKINS-17523](#))
- If a [Gradle Build Scan](#) is produced during the build then a link is added to the build page.



Release 1.24

* Fix [JENKINS-18629](#) - Jenkins fails to save configuration when using Invoke Gradle script in Conditional Step (single).

Release 1.23

* Fix [issue #17386](#) - Gradle.properties ignored after 1.22 upgrade. GRADLE_USER_HOME is now no longer set to the workspace of the job by default. If you wish to have the workspace job as the GRADLE_USER_HOME, you will need to change the config to reflect this.

Release 1.22

* Fix [JENKINS-17294](#) - mask sensitive variables (Password parameters)
* Fix [JENKINS-13412](#) - use hudson.util.ArgumentListBuilder#toWindowsCommand
* Set GRADLE_USER_HOME all the time

Release 1.21

* Add the ability to allow gradlew to still be run from workspace top, but to also configure it so that gradlew is found in the root build script directory.
* Fix [JENKINS-12769](#) - Cannot specify location of gradle wrapper
* Fix [JENKINS-15406](#) - When using gradlew, root build script field is not used to locate gradlew

Release 1.20

* Fix [JENKINS-15166](#) - Gradle plugin fails to save selected Gradle Version in Project configuration

Release 1.19

* Fix broken file permission introduced by [JENKINS-14780](#)

Release 1.18

* Fix [JENKINS-14780](#) - make gradlew script executable

Release 1.17

* Merge pull request - Change Gradle Wrapper logic to use the launcher's OS type rather than master's OS type when determining Gradle Wrapper script name

Release 1.16

* Fix reopened [JENKINS-9538](#) - hudson.model.FreeStyleBuild & GradleInstallation not serializable => Gradle build not working anymore

Release 1.15

* Fix reopened [JENKINS-13412](#) - Gradle plugin fails to quote parameters without whitespace when containing input/output redirection symbols, e.g. in XML strings

Release 1.14

* Fix [JENKINS-13412](#) - Gradle plugin fails to quote parameters without whitespace when containing input/output redirection symbols, e.g. in XML strings

Release 1.13

* Fix [JENKINS-9538](#) - hudson.model.FreeStyleBuild & GradleInstallation not serializable => Gradle build not working anymore

Release 1.12 (October 30, 2011)

* Fix [JENKINS-9553](#) - Gradle wrapper command fails on Windows

Release 1.11 (October 02, 2011)

- Coloring output log and Navigation executed tasks (from pull request of ikikko)

Release 1.10 (September 07, 2011)

- Provide dry-run option for the [DryRun Plugin](#)

Release 1.9 (June 24, 2011)

- Integrate pull request - Enable JAVA_OPTS

Release 1.8 (April 01, 2011)

- Add pull request 'Let users use the Gradle wrapper'

Release 1.7.1 (March 24, 2011)

- Fix 1.7 to properly set required Jenkins version.

Release 1.7 (March 23, 2011)

- Add automatic tool installer

Release 1.6 (February 27, 2011)

- Fix 1.5 to properly set required Jenkins version.

Release 1.5 (February 19, 2011)

- Update to Jenkins 1.397 API and metadata
- Change UI labels from Hudson to Jenkins

Release 1.4 (June, 09, 2010)

- Fix help messages
- Add technical internal behavior for a suitable Artifactory/Gradle integration (with the buildinfo)

Release 1.3 (February 23, 2010)

- Add a description message in the build step
- The plugin makes it possible to extract a Gradle distribution from a shared location or from a command line, and uses this distribution for running the build.

Release 1.2 (February 07, 2009)

- Add a distinction between switches and tasks
- The plugin makes its possible to specify the location of the build script if the workspace has a top-level build.gradle in somewhere other than the module root directory
- Improve user help messages

Release 1.1 (November 07, 2008)

- Add the support of Gradle 0.5
Before the version 0.5, the gradle windows executable file was "gradle.exe" and you lost the ERRORLEVEL value.
From Gradle 0.5, the window launcher is a .bat file that conserves the correct ERRORLEVEL value.

Release 1.0 (October 04, 2008)

- Initial release