Docs

[User Manual](http://docs.google.com/userguide/userguide.html)

[Guides and Tutorials](https://guides.gradle.org)

[DSL Reference](http://docs.google.com/dsl/)

[Javadoc](http://docs.google.com/javadoc/)

[Release Notes](http://docs.google.com/release-notes.html)

[Forums](https://discuss.gradle.org/)

[Training](https://gradle.org/training/)

[Try Gradle Enterprise](https://gradle.com/enterprise)

[PDF](http://docs.google.com/userguide/userguide.pdf)

* [User Manual Home](http://docs.google.com/userguide/userguide.html)
* [Release Notes](http://docs.google.com/release-notes.html)
* [Installing Gradle](http://docs.google.com/userguide/installation.html)
* [Tutorials](https://guides.gradle.org/)

### Reference

* [Groovy DSL Reference](http://docs.google.com/dsl/)
* [Gradle API Javadoc](http://docs.google.com/javadoc/)
* [Core Plugins](http://docs.google.com/userguide/plugin_reference.html)
* [Gradle & Third-party Tools](http://docs.google.com/userguide/third_party_integration.html)

### Getting Started

* [Creating New Gradle Builds](https://guides.gradle.org/creating-new-gradle-builds/)
* [Creating Build Scans](https://guides.gradle.org/creating-build-scans/)
* [Migrating From Maven](https://guides.gradle.org/migrating-from-maven/)

### Running Gradle Builds

* [Command-Line Interface](http://docs.google.com/userguide/command_line_interface.html)
* [Customizing Execution](#gjdgxs)
  + [Configuring the Build Environment](http://docs.google.com/userguide/build_environment.html)
  + [Configuring the Gradle Daemon](http://docs.google.com/userguide/gradle_daemon.html)
  + [Initialization Scripts](http://docs.google.com/userguide/init_scripts.html)
* [Directory Layout](http://docs.google.com/userguide/directory_layout.html)
* [Executing Multi-Project Builds](http://docs.google.com/userguide/intro_multi_project_builds.html)
* [Gradle Wrapper](http://docs.google.com/userguide/gradle_wrapper.html)
* [Troubleshooting](http://docs.google.com/userguide/troubleshooting.html)
* [Using Build Scans](https://docs.gradle.com/build-scan-plugin)
* [Enabling and Configuring the Build Cache](http://docs.google.com/userguide/build_cache.html)
* [Integrating Separate Gradle Builds (Composite Builds)](http://docs.google.com/userguide/composite_builds.html)

### Authoring Gradle Builds

* [Fundamentals](#30j0zll)
  + [Introducing the Basics of Build Scripts](http://docs.google.com/userguide/tutorial_using_tasks.html)
  + [Working with Tasks](http://docs.google.com/userguide/more_about_tasks.html)
  + [Learning More About Build Scripts](http://docs.google.com/userguide/writing_build_scripts.html)
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  + [Understanding the Build Lifecycle](http://docs.google.com/userguide/build_lifecycle.html)
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  + [Optimizing Build Performance](https://guides.gradle.org/performance/)
  + [Using the Build Cache](https://guides.gradle.org/using-build-cache/)
* [Dependency Management](#3znysh7)
  + [Introduction to Dependency Management](http://docs.google.com/userguide/introduction_dependency_management.html)
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  + [Developing Parallel Tasks](https://guides.gradle.org/using-the-worker-api/)
  + [Testing Your Build with TestKit](http://docs.google.com/userguide/test_kit.html)
  + [Using Ant from Gradle](http://docs.google.com/userguide/ant.html)
* [Sample Gradle builds](#1t3h5sf)
  + [Groovy DSL Samples](https://github.com/gradle/gradle/tree/master/subprojects/docs/src/samples)
  + [Kotlin DSL Samples](https://github.com/gradle/kotlin-dsl/tree/master/samples)

### Extending Gradle

* [Writing Custom Plugins](http://docs.google.com/userguide/custom_plugins.html)
* [Plugin Development Guides](https://gradle.org/guides/?q=Plugin+Development)

[Edit this page](https://github.com/gradle/gradle/edit/master/subprojects/docs/src/docs/userguide/)

# Gradle & Third-party Tools

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[How to integrate with Gradle](#17dp8vu)

Gradle can be integrated with many different third-party tools such as IDEs and continuous integration platforms. Here we look at some of the more common ones as well as how to integrate your own tool with Gradle.

[IDEs](#4d34og8)

Android Studio

This is a variant of IntelliJ IDEA, so the same integration features apply. It has built-in support for importing and building Gradle projects. You can also use the [IDEA Plugin for Gradle](http://docs.google.com/idea_plugin.html) to fine-tune the import process if that’s necessary.

Eclipse

If you want to work on a project within Eclipse that has a Gradle build, you should use the [Eclipse Buildship plugin](https://projects.eclipse.org/projects/tools.buildship). This will allow you to import and run Gradle builds. If you need to fine tune the import process so that the project loads correctly, you can use the [Eclipse Plugins for Gradle](http://docs.google.com/eclipse_plugin.html). See [the associated release announcement](https://discuss.gradle.org/t/buildship-1-0-18-is-now-available/19012) for details on what fine tuning you can do.

IntelliJ IDEA

IDEA has built-in support for importing Gradle projects. If you need to fine tune the import process so that the project loads correctly, you can use the [IDEA Plugin for Gradle](http://docs.google.com/idea_plugin.html).

NetBeans

Add the [Gradle Support](http://plugins.netbeans.org/plugin/44510/gradle-support) plugin to NetBeans in order to import and run projects with Gradle builds.

Visual Studio

Gradle comes with a [Visual Studio plugin](http://docs.google.com/native_software.html#native_binaries:visual_studio) that will generate [VisualStudioProject](http://docs.google.com/dsl/org.gradle.ide.visualstudio.VisualStudioProject.html) and [VisualStudioSolution](http://docs.google.com/dsl/org.gradle.ide.visualstudio.VisualStudioSolution.html) files for your native projects.

[Continuous integration](#2s8eyo1)

We have dedicated guides showing you how to integrate a Gradle project with the following CI platforms:

* [Jenkins](https://guides.gradle.org/executing-gradle-builds-on-jenkins)
* [TeamCity](https://guides.gradle.org/executing-gradle-builds-on-teamcity)
* [Travis CI](https://guides.gradle.org/executing-gradle-builds-on-travisci)

Even if you don’t use one of the above, you can almost certainly configure your CI platform to use the [Gradle Wrapper](http://docs.google.com/gradle_wrapper.html) scripts.

[How to integrate with Gradle](#17dp8vu)

There are two main ways to integrate a tool with Gradle:

* The Gradle build uses the tool
* The tool executes the Gradle build

The former case is typically [implemented as a Gradle plugin](http://docs.google.com/custom_plugins.html). The latter can be accomplished by embedding Gradle through [the Tooling API](http://docs.google.com/embedding.html).

Docs

* [User Manual](http://docs.google.com/userguide/userguide.html)
* [DSL Reference](http://docs.google.com/dsl/)
* [Release Notes](http://docs.google.com/release-notes.html)
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