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### 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/)

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* [Command-Line Interface](http://docs.google.com/userguide/command_line_interface.html)
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* [Enabling and Configuring the Build Cache](http://docs.google.com/userguide/build_cache.html)
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### 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/)

# The FindBugs Plugin

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The FindBugs plugin performs quality checks on your project’s Java source files using [FindBugs](http://findbugs.sourceforge.net) and generates reports from these checks.

[Usage](#4d34og8)

To use the FindBugs plugin, include the following in your build script:

[Example: Using the FindBugs plugin](#lnxbz9)

**build.gradle**

apply plugin: 'findbugs'

The plugin adds a number of tasks to the project that perform the quality checks. You can execute the checks by running gradle check.

Note that Findbugs will run with the same Java version used to run Gradle.

[Tasks](#2s8eyo1)

The FindBugs plugin adds the following tasks to the project:

findbugsMain — [FindBugs](http://docs.google.com/dsl/org.gradle.api.plugins.quality.FindBugs.html)

*Depends on*: classes

Runs FindBugs against the production Java source files.

findbugsTest — [FindBugs](http://docs.google.com/dsl/org.gradle.api.plugins.quality.FindBugs.html)

*Depends on*: testClasses

Runs FindBugs against the test Java source files.

findbugs*SourceSet* — [FindBugs](http://docs.google.com/dsl/org.gradle.api.plugins.quality.FindBugs.html)

*Depends on*: *sourceSet*Classes

Runs FindBugs against the given source set’s Java source files.

The FindBugs plugin adds the following dependencies to tasks defined by the Java plugin.

Table 1. FindBugs plugin - additional task dependencies

| **Task name** | **Depends on** |
| --- | --- |
| check | All FindBugs tasks, including findbugsMain and findbugsTest. |

[Dependency management](#17dp8vu)

The FindBugs plugin adds the following dependency configurations:

Table 2. FindBugs plugin - dependency configurations

| **Name** | **Meaning** |
| --- | --- |
| findbugs | The FindBugs libraries to use |

[Configuration](#3rdcrjn)

See the [FindBugsExtension](http://docs.google.com/dsl/org.gradle.api.plugins.quality.FindBugsExtension.html) class in the API documentation.

[Customizing the HTML report](#26in1rg)

The HTML report generated by the [FindBugs](http://docs.google.com/dsl/org.gradle.api.plugins.quality.FindBugs.html) task can be customized using a XSLT stylesheet, for example to highlight specific errors or change its appearance:

[Example: Customizing the HTML report](#35nkun2)

**build.gradle**

tasks.withType(FindBugs) {  
 reports {  
 xml.enabled false  
 html.enabled true  
 html.stylesheet resources.text.fromFile('config/xsl/findbugs-custom.xsl')  
 }  
}

[View a sample FindBugs stylesheet.](https://github.com/findbugsproject/findbugs/tree/master/findbugs/src/xsl)

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