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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

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

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# The CodeNarc Plugin

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The CodeNarc plugin performs quality checks on your project’s Groovy source files using [CodeNarc](http://codenarc.sourceforge.net/index.html) and generates reports from these checks.

[Usage](#4d34og8)

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

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

**build.gradle**

apply plugin: 'codenarc'

The plugin adds a number of tasks to the project that perform the quality checks when used with the [Groovy Plugin](http://docs.google.com/groovy_plugin.html#groovy_plugin). You can execute the checks by running gradle check.

[Tasks](#2s8eyo1)

The CodeNarc plugin adds the following tasks to the project:

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

Runs CodeNarc against the production Java source files.

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

Runs CodeNarc against the test Java source files.

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

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

[Dependencies added to other tasks](#35nkun2)

The CodeNarc plugin adds the following dependencies to tasks defined by the Groovy plugin.

check

*Depends on*: All CodeNarc tasks, including codenarcMain and codenarcTest.

[Project layout](#17dp8vu)

The CodeNarc plugin expects the following project layout:

<root>  
└── config  
 └── codenarc (1)  
 └── codenarc.xml (2)

1. CodeNarc configuration files go here
2. Primary CodeNarc configuration file

[Dependency management](#3rdcrjn)

The CodeNarc plugin adds the following dependency configurations:

Table 1. CodeNarc plugin - dependency configurations

| **Name** | **Meaning** |
| --- | --- |
| codenarc | The CodeNarc libraries to use |

[Configuration](#26in1rg)

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

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