4.10.1

* 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)
* [User Manual Home](http://docs.google.com/userguide/userguide.html)
* [DSL Reference Home](http://docs.google.com/dsl/)
* [Release Notes](http://docs.google.com/release-notes.html)
  + [Properties](http://docs.google.com/org.gradle.api.plugins.quality.Pmd.html#N24F7C)
  + [Methods](http://docs.google.com/org.gradle.api.plugins.quality.Pmd.html#N25017)
  + [Script blocks](http://docs.google.com/org.gradle.api.plugins.quality.Pmd.html#N25096)

### Build script blocks

* [allprojects { }](http://docs.google.com/org.gradle.api.Project.html#org.gradle.api.Project:allprojects(groovy.lang.Closure))
* [artifacts { }](http://docs.google.com/org.gradle.api.Project.html#org.gradle.api.Project:artifacts(groovy.lang.Closure))
* [buildscript { }](http://docs.google.com/org.gradle.api.Project.html#org.gradle.api.Project:buildscript(groovy.lang.Closure))
* [configurations { }](http://docs.google.com/org.gradle.api.Project.html#org.gradle.api.Project:configurations(groovy.lang.Closure))
* [dependencies { }](http://docs.google.com/org.gradle.api.Project.html#org.gradle.api.Project:dependencies(groovy.lang.Closure))
* [repositories { }](http://docs.google.com/org.gradle.api.Project.html#org.gradle.api.Project:repositories(groovy.lang.Closure))
* [sourceSets { }](http://docs.google.com/org.gradle.api.Project.html#org.gradle.api.Project:sourceSets(groovy.lang.Closure))
* [subprojects { }](http://docs.google.com/org.gradle.api.Project.html#org.gradle.api.Project:subprojects(groovy.lang.Closure))
* [publishing { }](http://docs.google.com/org.gradle.api.Project.html#org.gradle.api.Project:publishing(groovy.lang.Closure))

### Core types

* [Project](http://docs.google.com/org.gradle.api.Project.html)
* [Task](http://docs.google.com/org.gradle.api.Task.html)
* [Gradle](http://docs.google.com/org.gradle.api.invocation.Gradle.html)
* [Settings](http://docs.google.com/org.gradle.api.initialization.Settings.html)
* [IncludedBuild](http://docs.google.com/org.gradle.api.initialization.IncludedBuild.html)
* [Script](http://docs.google.com/org.gradle.api.Script.html)
* [JavaToolChain](http://docs.google.com/org.gradle.jvm.toolchain.JavaToolChain.html)
* [SourceSet](http://docs.google.com/org.gradle.api.tasks.SourceSet.html)
* [SourceSetOutput](http://docs.google.com/org.gradle.api.tasks.SourceSetOutput.html)
* [SourceDirectorySet](http://docs.google.com/org.gradle.api.file.SourceDirectorySet.html)
* [IncrementalTaskInputs](http://docs.google.com/org.gradle.api.tasks.incremental.IncrementalTaskInputs.html)
* [Configuration](http://docs.google.com/org.gradle.api.artifacts.Configuration.html)
* [ResolutionStrategy](http://docs.google.com/org.gradle.api.artifacts.ResolutionStrategy.html)
* [ArtifactResolutionQuery](http://docs.google.com/org.gradle.api.artifacts.query.ArtifactResolutionQuery.html)
* [ComponentSelection](http://docs.google.com/org.gradle.api.artifacts.ComponentSelection.html)
* [ComponentSelectionRules](http://docs.google.com/org.gradle.api.artifacts.ComponentSelectionRules.html)
* [ExtensionAware](http://docs.google.com/org.gradle.api.plugins.ExtensionAware.html)
* [ExtraPropertiesExtension](http://docs.google.com/org.gradle.api.plugins.ExtraPropertiesExtension.html)
* [PluginDependenciesSpec](http://docs.google.com/org.gradle.plugin.use.PluginDependenciesSpec.html)
* [PluginDependencySpec](http://docs.google.com/org.gradle.plugin.use.PluginDependencySpec.html)
* [PluginManagementSpec](http://docs.google.com/org.gradle.plugin.management.PluginManagementSpec.html)
* [ResourceHandler](http://docs.google.com/org.gradle.api.resources.ResourceHandler.html)
* [TextResourceFactory](http://docs.google.com/org.gradle.api.resources.TextResourceFactory.html)

### Publishing types

* [PublishingExtension](http://docs.google.com/org.gradle.api.publish.PublishingExtension.html)
* [IvyPublication](http://docs.google.com/org.gradle.api.publish.ivy.IvyPublication.html)
* [IvyArtifact](http://docs.google.com/org.gradle.api.publish.ivy.IvyArtifact.html)
* [IvyArtifactSet](http://docs.google.com/org.gradle.api.publish.ivy.IvyArtifactSet.html)
* [IvyModuleDescriptorSpec](http://docs.google.com/org.gradle.api.publish.ivy.IvyModuleDescriptorSpec.html)
* [IvyModuleDescriptorAuthor](http://docs.google.com/org.gradle.api.publish.ivy.IvyModuleDescriptorAuthor.html)
* [IvyModuleDescriptorLicense](http://docs.google.com/org.gradle.api.publish.ivy.IvyModuleDescriptorLicense.html)
* [IvyModuleDescriptorDescription](http://docs.google.com/org.gradle.api.publish.ivy.IvyModuleDescriptorDescription.html)
* [MavenPublication](http://docs.google.com/org.gradle.api.publish.maven.MavenPublication.html)
* [MavenArtifact](http://docs.google.com/org.gradle.api.publish.maven.MavenArtifact.html)
* [MavenArtifactSet](http://docs.google.com/org.gradle.api.publish.maven.MavenArtifactSet.html)
* [MavenPom](http://docs.google.com/org.gradle.api.publish.maven.MavenPom.html)
* [MavenPomCiManagement](http://docs.google.com/org.gradle.api.publish.maven.MavenPomCiManagement.html)
* [MavenPomContributor](http://docs.google.com/org.gradle.api.publish.maven.MavenPomContributor.html)
* [MavenPomContributorSpec](http://docs.google.com/org.gradle.api.publish.maven.MavenPomContributorSpec.html)
* [MavenPomDeveloper](http://docs.google.com/org.gradle.api.publish.maven.MavenPomDeveloper.html)
* [MavenPomDeveloperSpec](http://docs.google.com/org.gradle.api.publish.maven.MavenPomDeveloperSpec.html)
* [MavenPomDistributionManagement](http://docs.google.com/org.gradle.api.publish.maven.MavenPomDistributionManagement.html)
* [MavenPomIssueManagement](http://docs.google.com/org.gradle.api.publish.maven.MavenPomIssueManagement.html)
* [MavenPomLicense](http://docs.google.com/org.gradle.api.publish.maven.MavenPomLicense.html)
* [MavenPomLicenseSpec](http://docs.google.com/org.gradle.api.publish.maven.MavenPomLicenseSpec.html)
* [MavenPomMailingList](http://docs.google.com/org.gradle.api.publish.maven.MavenPomMailingList.html)
* [MavenPomMailingListSpec](http://docs.google.com/org.gradle.api.publish.maven.MavenPomMailingListSpec.html)
* [MavenPomOrganization](http://docs.google.com/org.gradle.api.publish.maven.MavenPomOrganization.html)
* [MavenPomRelocation](http://docs.google.com/org.gradle.api.publish.maven.MavenPomRelocation.html)
* [MavenPomScm](http://docs.google.com/org.gradle.api.publish.maven.MavenPomScm.html)

### Container types

* [TaskContainer](http://docs.google.com/org.gradle.api.tasks.TaskContainer.html)
* [ConfigurationContainer](http://docs.google.com/org.gradle.api.artifacts.ConfigurationContainer.html)
* [RepositoryHandler](http://docs.google.com/org.gradle.api.artifacts.dsl.RepositoryHandler.html)
* [DependencyHandler](http://docs.google.com/org.gradle.api.artifacts.dsl.DependencyHandler.html)
* [ArtifactHandler](http://docs.google.com/org.gradle.api.artifacts.dsl.ArtifactHandler.html)

### Build Cache types

* [BuildCacheConfiguration](http://docs.google.com/org.gradle.caching.configuration.BuildCacheConfiguration.html)
* [DirectoryBuildCache](http://docs.google.com/org.gradle.caching.local.DirectoryBuildCache.html)
* [HttpBuildCache](http://docs.google.com/org.gradle.caching.http.HttpBuildCache.html)

### Input Normalization types

* [InputNormalizationHandler](http://docs.google.com/org.gradle.normalization.InputNormalizationHandler.html)
* [InputNormalization](http://docs.google.com/org.gradle.normalization.InputNormalization.html)
* [RuntimeClasspathNormalization](http://docs.google.com/org.gradle.normalization.RuntimeClasspathNormalization.html)

### Help Task types

* [TaskReportTask](http://docs.google.com/org.gradle.api.tasks.diagnostics.TaskReportTask.html)
* [ProjectReportTask](http://docs.google.com/org.gradle.api.tasks.diagnostics.ProjectReportTask.html)
* [DependencyReportTask](http://docs.google.com/org.gradle.api.tasks.diagnostics.DependencyReportTask.html)
* [DependencyInsightReportTask](http://docs.google.com/org.gradle.api.tasks.diagnostics.DependencyInsightReportTask.html)
* [PropertyReportTask](http://docs.google.com/org.gradle.api.tasks.diagnostics.PropertyReportTask.html)
* [ComponentReport](http://docs.google.com/org.gradle.api.reporting.components.ComponentReport.html)
* [DependentComponentsReport](http://docs.google.com/org.gradle.api.reporting.dependents.DependentComponentsReport.html)
* [ModelReport](http://docs.google.com/org.gradle.api.reporting.model.ModelReport.html)

### Task types

* [AntlrTask](http://docs.google.com/org.gradle.api.plugins.antlr.AntlrTask.html)
* [BuildEnvironmentReportTask](http://docs.google.com/org.gradle.api.tasks.diagnostics.BuildEnvironmentReportTask.html)
* [Checkstyle](http://docs.google.com/org.gradle.api.plugins.quality.Checkstyle.html)
* [CodeNarc](http://docs.google.com/org.gradle.api.plugins.quality.CodeNarc.html)
* [CompareGradleBuilds](http://docs.google.com/org.gradle.api.plugins.buildcomparison.gradle.CompareGradleBuilds.html)
* [Copy](http://docs.google.com/org.gradle.api.tasks.Copy.html)
* [CreateStartScripts](http://docs.google.com/org.gradle.jvm.application.tasks.CreateStartScripts.html)
* [Delete](http://docs.google.com/org.gradle.api.tasks.Delete.html)
* [Ear](http://docs.google.com/org.gradle.plugins.ear.Ear.html)
* [Exec](http://docs.google.com/org.gradle.api.tasks.Exec.html)
* [FindBugs](http://docs.google.com/org.gradle.api.plugins.quality.FindBugs.html)
* [GenerateIvyDescriptor](http://docs.google.com/org.gradle.api.publish.ivy.tasks.GenerateIvyDescriptor.html)
* [GenerateMavenPom](http://docs.google.com/org.gradle.api.publish.maven.tasks.GenerateMavenPom.html)
* [GenerateBuildDashboard](http://docs.google.com/org.gradle.api.reporting.GenerateBuildDashboard.html)
* [GradleBuild](http://docs.google.com/org.gradle.api.tasks.GradleBuild.html)
* [GroovyCompile](http://docs.google.com/org.gradle.api.tasks.compile.GroovyCompile.html)
* [Groovydoc](http://docs.google.com/org.gradle.api.tasks.javadoc.Groovydoc.html)
* [HtmlDependencyReportTask](http://docs.google.com/org.gradle.api.reporting.dependencies.HtmlDependencyReportTask.html)
* [JacocoReport](http://docs.google.com/org.gradle.testing.jacoco.tasks.JacocoReport.html)
* [JacocoMerge](http://docs.google.com/org.gradle.testing.jacoco.tasks.JacocoMerge.html)
* [JacocoCoverageVerification](http://docs.google.com/org.gradle.testing.jacoco.tasks.JacocoCoverageVerification.html)
* [Jar](http://docs.google.com/org.gradle.api.tasks.bundling.Jar.html)
* [JavaCompile](http://docs.google.com/org.gradle.api.tasks.compile.JavaCompile.html)
* [Javadoc](http://docs.google.com/org.gradle.api.tasks.javadoc.Javadoc.html)
* [JavaExec](http://docs.google.com/org.gradle.api.tasks.JavaExec.html)
* [JDepend](http://docs.google.com/org.gradle.api.plugins.quality.JDepend.html)
* [Pmd](http://docs.google.com/org.gradle.api.plugins.quality.Pmd.html)
* [PublishToIvyRepository](http://docs.google.com/org.gradle.api.publish.ivy.tasks.PublishToIvyRepository.html)
* [PublishToMavenRepository](http://docs.google.com/org.gradle.api.publish.maven.tasks.PublishToMavenRepository.html)
* [ScalaCompile](http://docs.google.com/org.gradle.api.tasks.scala.ScalaCompile.html)
* [ScalaDoc](http://docs.google.com/org.gradle.api.tasks.scala.ScalaDoc.html)
* [InitBuild](http://docs.google.com/org.gradle.buildinit.tasks.InitBuild.html)
* [Sign](http://docs.google.com/org.gradle.plugins.signing.Sign.html)
* [Sync](http://docs.google.com/org.gradle.api.tasks.Sync.html)
* [Tar](http://docs.google.com/org.gradle.api.tasks.bundling.Tar.html)
* [AbstractTestTask](http://docs.google.com/org.gradle.api.tasks.testing.AbstractTestTask.html)
* [Test](http://docs.google.com/org.gradle.api.tasks.testing.Test.html)
* [TestReport](http://docs.google.com/org.gradle.api.tasks.testing.TestReport.html)
* [Upload](http://docs.google.com/org.gradle.api.tasks.Upload.html)
* [War](http://docs.google.com/org.gradle.api.tasks.bundling.War.html)
* [Wrapper](http://docs.google.com/org.gradle.api.tasks.wrapper.Wrapper.html)
* [WriteProperties](http://docs.google.com/org.gradle.api.tasks.WriteProperties.html)
* [Zip](http://docs.google.com/org.gradle.api.tasks.bundling.Zip.html)

### Reporting types

* [CustomizableHtmlReport](http://docs.google.com/org.gradle.api.reporting.CustomizableHtmlReport.html)
* [SingleFileReport](http://docs.google.com/org.gradle.api.reporting.SingleFileReport.html)
* [DirectoryReport](http://docs.google.com/org.gradle.api.reporting.DirectoryReport.html)
* [FindBugsXmlReport](http://docs.google.com/org.gradle.api.plugins.quality.FindBugsXmlReport.html)
* [Report](http://docs.google.com/org.gradle.api.reporting.Report.html)
* [Reporting](http://docs.google.com/org.gradle.api.reporting.Reporting.html)
* [ReportContainer](http://docs.google.com/org.gradle.api.reporting.ReportContainer.html)
* [ReportingExtension](http://docs.google.com/org.gradle.api.reporting.ReportingExtension.html)

### Eclipse/IDEA model types

* [EclipseModel](http://docs.google.com/org.gradle.plugins.ide.eclipse.model.EclipseModel.html)
* [EclipseProject](http://docs.google.com/org.gradle.plugins.ide.eclipse.model.EclipseProject.html)
* [EclipseClasspath](http://docs.google.com/org.gradle.plugins.ide.eclipse.model.EclipseClasspath.html)
* [EclipseJdt](http://docs.google.com/org.gradle.plugins.ide.eclipse.model.EclipseJdt.html)
* [EclipseWtp](http://docs.google.com/org.gradle.plugins.ide.eclipse.model.EclipseWtp.html)
* [EclipseWtpComponent](http://docs.google.com/org.gradle.plugins.ide.eclipse.model.EclipseWtpComponent.html)
* [EclipseWtpFacet](http://docs.google.com/org.gradle.plugins.ide.eclipse.model.EclipseWtpFacet.html)
* [IdeaModel](http://docs.google.com/org.gradle.plugins.ide.idea.model.IdeaModel.html)
* [IdeaProject](http://docs.google.com/org.gradle.plugins.ide.idea.model.IdeaProject.html)
* [IdeaModule](http://docs.google.com/org.gradle.plugins.ide.idea.model.IdeaModule.html)
* [IdeaWorkspace](http://docs.google.com/org.gradle.plugins.ide.idea.model.IdeaWorkspace.html)
* [XmlFileContentMerger](http://docs.google.com/org.gradle.plugins.ide.api.XmlFileContentMerger.html)
* [FileContentMerger](http://docs.google.com/org.gradle.plugins.ide.api.FileContentMerger.html)

### Eclipse/IDEA task types

* [GenerateEclipseProject](http://docs.google.com/org.gradle.plugins.ide.eclipse.GenerateEclipseProject.html)
* [GenerateEclipseClasspath](http://docs.google.com/org.gradle.plugins.ide.eclipse.GenerateEclipseClasspath.html)
* [GenerateEclipseJdt](http://docs.google.com/org.gradle.plugins.ide.eclipse.GenerateEclipseJdt.html)
* [GenerateEclipseWtpComponent](http://docs.google.com/org.gradle.plugins.ide.eclipse.GenerateEclipseWtpComponent.html)
* [GenerateEclipseWtpFacet](http://docs.google.com/org.gradle.plugins.ide.eclipse.GenerateEclipseWtpFacet.html)
* [GenerateIdeaModule](http://docs.google.com/org.gradle.plugins.ide.idea.GenerateIdeaModule.html)
* [GenerateIdeaProject](http://docs.google.com/org.gradle.plugins.ide.idea.GenerateIdeaProject.html)
* [GenerateIdeaWorkspace](http://docs.google.com/org.gradle.plugins.ide.idea.GenerateIdeaWorkspace.html)

### Native software types

* [PrebuiltLibrary](http://docs.google.com/org.gradle.nativeplatform.PrebuiltLibrary.html)
* [PrebuiltSharedLibraryBinary](http://docs.google.com/org.gradle.nativeplatform.PrebuiltSharedLibraryBinary.html)
* [PrebuiltStaticLibraryBinary](http://docs.google.com/org.gradle.nativeplatform.PrebuiltStaticLibraryBinary.html)
* [NativeComponentSpec](http://docs.google.com/org.gradle.nativeplatform.NativeComponentSpec.html)
* [NativeExecutableSpec](http://docs.google.com/org.gradle.nativeplatform.NativeExecutableSpec.html)
* [NativeLibrarySpec](http://docs.google.com/org.gradle.nativeplatform.NativeLibrarySpec.html)
* [NativeTestSuiteSpec](http://docs.google.com/org.gradle.nativeplatform.test.NativeTestSuiteSpec.html)
* [CUnitTestSuiteSpec](http://docs.google.com/org.gradle.nativeplatform.test.cunit.CUnitTestSuiteSpec.html)
* [GoogleTestTestSuiteSpec](http://docs.google.com/org.gradle.nativeplatform.test.googletest.GoogleTestTestSuiteSpec.html)
* [NativeBinarySpec](http://docs.google.com/org.gradle.nativeplatform.NativeBinarySpec.html)
* [NativeExecutableBinarySpec](http://docs.google.com/org.gradle.nativeplatform.NativeExecutableBinarySpec.html)
* [NativeLibraryBinarySpec](http://docs.google.com/org.gradle.nativeplatform.NativeLibraryBinarySpec.html)
* [SharedLibraryBinarySpec](http://docs.google.com/org.gradle.nativeplatform.SharedLibraryBinarySpec.html)
* [StaticLibraryBinarySpec](http://docs.google.com/org.gradle.nativeplatform.StaticLibraryBinarySpec.html)
* [NativeTestSuiteBinarySpec](http://docs.google.com/org.gradle.nativeplatform.test.NativeTestSuiteBinarySpec.html)
* [CUnitTestSuiteBinarySpec](http://docs.google.com/org.gradle.nativeplatform.test.cunit.CUnitTestSuiteBinarySpec.html)
* [GoogleTestTestSuiteBinarySpec](http://docs.google.com/org.gradle.nativeplatform.test.googletest.GoogleTestTestSuiteBinarySpec.html)
* [NativePlatform](http://docs.google.com/org.gradle.nativeplatform.platform.NativePlatform.html)
* [BuildType](http://docs.google.com/org.gradle.nativeplatform.BuildType.html)
* [Flavor](http://docs.google.com/org.gradle.nativeplatform.Flavor.html)
* [Gcc](http://docs.google.com/org.gradle.nativeplatform.toolchain.Gcc.html)
* [Clang](http://docs.google.com/org.gradle.nativeplatform.toolchain.Clang.html)
* [VisualCpp](http://docs.google.com/org.gradle.nativeplatform.toolchain.VisualCpp.html)
* [AssemblerSourceSet](http://docs.google.com/org.gradle.language.assembler.AssemblerSourceSet.html)
* [CSourceSet](http://docs.google.com/org.gradle.language.c.CSourceSet.html)
* [CppSourceSet](http://docs.google.com/org.gradle.language.cpp.CppSourceSet.html)
* [ObjectiveCSourceSet](http://docs.google.com/org.gradle.language.objectivec.ObjectiveCSourceSet.html)
* [ObjectiveCppSourceSet](http://docs.google.com/org.gradle.language.objectivecpp.ObjectiveCppSourceSet.html)
* [WindowsResourceSet](http://docs.google.com/org.gradle.language.rc.WindowsResourceSet.html)
* [VisualStudioProject](http://docs.google.com/org.gradle.ide.visualstudio.VisualStudioProject.html)
* [VisualStudioSolution](http://docs.google.com/org.gradle.ide.visualstudio.VisualStudioSolution.html)
* [NativeExecutable](http://docs.google.com/org.gradle.nativeplatform.NativeExecutable.html)
* [NativeLibrary](http://docs.google.com/org.gradle.nativeplatform.NativeLibrary.html)
* [NativeBinary](http://docs.google.com/org.gradle.nativeplatform.NativeBinary.html)
* [NativeExecutableBinary](http://docs.google.com/org.gradle.nativeplatform.NativeExecutableBinary.html)
* [SharedLibraryBinary](http://docs.google.com/org.gradle.nativeplatform.SharedLibraryBinary.html)
* [StaticLibraryBinary](http://docs.google.com/org.gradle.nativeplatform.StaticLibraryBinary.html)

### Native component task types

* [CppCompile](http://docs.google.com/org.gradle.language.cpp.tasks.CppCompile.html)
* [CCompile](http://docs.google.com/org.gradle.language.c.tasks.CCompile.html)
* [Assemble](http://docs.google.com/org.gradle.language.assembler.tasks.Assemble.html)
* [ObjectiveCCompile](http://docs.google.com/org.gradle.language.objectivec.tasks.ObjectiveCCompile.html)
* [ObjectiveCppCompile](http://docs.google.com/org.gradle.language.objectivecpp.tasks.ObjectiveCppCompile.html)
* [WindowsResourceCompile](http://docs.google.com/org.gradle.language.rc.tasks.WindowsResourceCompile.html)
* [LinkExecutable](http://docs.google.com/org.gradle.nativeplatform.tasks.LinkExecutable.html)
* [LinkSharedLibrary](http://docs.google.com/org.gradle.nativeplatform.tasks.LinkSharedLibrary.html)
* [CreateStaticLibrary](http://docs.google.com/org.gradle.nativeplatform.tasks.CreateStaticLibrary.html)
* [InstallExecutable](http://docs.google.com/org.gradle.nativeplatform.tasks.InstallExecutable.html)
* [RunTestExecutable](http://docs.google.com/org.gradle.nativeplatform.test.tasks.RunTestExecutable.html)

Pmd

**Table of Contents**

[Properties](http://docs.google.com/org.gradle.api.plugins.quality.Pmd.html#N24F7C)[Methods](http://docs.google.com/org.gradle.api.plugins.quality.Pmd.html#N25017)[Script blocks](http://docs.google.com/org.gradle.api.plugins.quality.Pmd.html#N25096)[Property details](http://docs.google.com/org.gradle.api.plugins.quality.Pmd.html#N250AB)[Method details](http://docs.google.com/org.gradle.api.plugins.quality.Pmd.html#N25205)[Script block details](http://docs.google.com/org.gradle.api.plugins.quality.Pmd.html#N25304)

| API Documentation: | [Pmd](http://docs.google.com/javadoc/org/gradle/api/plugins/quality/Pmd.html) |
| --- | --- |

Runs a set of static code analysis rules on Java source code files and generates a report of problems found.

Properties

| Property | Description |
| --- | --- |
| [classpath](http://docs.google.com/org.gradle.api.plugins.quality.Pmd.html#org.gradle.api.plugins.quality.Pmd:classpath) | Incubating  Compile class path for the classes to be analyzed. The classes on this class path are used during analysis but aren't analyzed themselves. This is only well supported for PMD 5.2.1 or better. |
| [consoleOutput](http://docs.google.com/org.gradle.api.plugins.quality.Pmd.html#org.gradle.api.plugins.quality.Pmd:consoleOutput) | Incubating  Whether or not to write PMD results to System.out. |
| [excludes](http://docs.google.com/org.gradle.api.plugins.quality.Pmd.html#org.gradle.api.plugins.quality.Pmd:excludes) | The set of exclude patterns. |
| [ignoreFailures](http://docs.google.com/org.gradle.api.plugins.quality.Pmd.html#org.gradle.api.plugins.quality.Pmd:ignoreFailures) | Whether or not to allow the build to continue if there are warnings. Example: ignoreFailures = true |
| [includes](http://docs.google.com/org.gradle.api.plugins.quality.Pmd.html#org.gradle.api.plugins.quality.Pmd:includes) | The set of include patterns. |
| [pmdClasspath](http://docs.google.com/org.gradle.api.plugins.quality.Pmd.html#org.gradle.api.plugins.quality.Pmd:pmdClasspath) | The class path containing the PMD library to be used. |
| [reports](http://docs.google.com/org.gradle.api.plugins.quality.Pmd.html#org.gradle.api.plugins.quality.Pmd:reports) | The reports to be generated by this task. |
| [rulePriority](http://docs.google.com/org.gradle.api.plugins.quality.Pmd.html#org.gradle.api.plugins.quality.Pmd:rulePriority) | Incubating  Specifies the rule priority threshold. |
| [ruleSetConfig](http://docs.google.com/org.gradle.api.plugins.quality.Pmd.html#org.gradle.api.plugins.quality.Pmd:ruleSetConfig) | Incubating  The custom rule set to be used (if any). Replaces ruleSetFiles, except that it does not currently support multiple rule sets. See the [official documentation](http://pmd.sourceforge.net/howtomakearuleset.html) for how to author a rule set. Example: ruleSetConfig = resources.text.fromFile(resources.file("config/pmd/myRuleSets.xml")) |
| [ruleSetFiles](http://docs.google.com/org.gradle.api.plugins.quality.Pmd.html#org.gradle.api.plugins.quality.Pmd:ruleSetFiles) | The custom rule set files to be used. See the [official documentation](http://pmd.sourceforge.net/howtomakearuleset.html) for how to author a rule set file. Example: ruleSetFiles = files("config/pmd/myRuleSets.xml") |
| [ruleSets](http://docs.google.com/org.gradle.api.plugins.quality.Pmd.html#org.gradle.api.plugins.quality.Pmd:ruleSets) | The built-in rule sets to be used. See the [official list](http://pmd.sourceforge.net/rules/index.html) of built-in rule sets. Example: ruleSets = ["basic", "braces"] |
| [source](http://docs.google.com/org.gradle.api.plugins.quality.Pmd.html#org.gradle.api.plugins.quality.Pmd:source) | The source for this task, after the include and exclude patterns have been applied. Ignores source files which do not exist. |
| [targetJdk](http://docs.google.com/org.gradle.api.plugins.quality.Pmd.html#org.gradle.api.plugins.quality.Pmd:targetJdk) | The target JDK to use with PMD. |

Methods

| Method | Description |
| --- | --- |
| [exclude](http://docs.google.com/org.gradle.api.plugins.quality.Pmd.html#org.gradle.api.plugins.quality.Pmd:exclude(groovy.lang.Closure))(excludeSpec) | Adds an exclude spec. This method may be called multiple times to append new specs.The given closure is passed a [FileTreeElement](http://docs.google.com/javadoc/org/gradle/api/file/FileTreeElement.html) as its parameter. The closure should return true or false. Example: |
| [exclude](http://docs.google.com/org.gradle.api.plugins.quality.Pmd.html#org.gradle.api.plugins.quality.Pmd:exclude(java.lang.Iterable))(excludes) | Adds an ANT style exclude pattern. This method may be called multiple times to append new patterns and multiple patterns may be specified in a single call. If excludes are not provided, then no files will be excluded. If excludes are provided, then files must not match any exclude pattern to be processed. |
| [exclude](http://docs.google.com/org.gradle.api.plugins.quality.Pmd.html#org.gradle.api.plugins.quality.Pmd:exclude(java.lang.String%5B%5D))(excludes) | Adds an ANT style exclude pattern. This method may be called multiple times to append new patterns and multiple patterns may be specified in a single call. If excludes are not provided, then no files will be excluded. If excludes are provided, then files must not match any exclude pattern to be processed. |
| [exclude](http://docs.google.com/org.gradle.api.plugins.quality.Pmd.html#org.gradle.api.plugins.quality.Pmd:exclude(org.gradle.api.specs.Spec))(excludeSpec) | Adds an exclude spec. This method may be called multiple times to append new specs. If excludes are not provided, then no files will be excluded. If excludes are provided, then files must not match any exclude pattern to be processed. |
| [include](http://docs.google.com/org.gradle.api.plugins.quality.Pmd.html#org.gradle.api.plugins.quality.Pmd:include(groovy.lang.Closure))(includeSpec) | Adds an include spec. This method may be called multiple times to append new specs. The given closure is passed a [FileTreeElement](http://docs.google.com/javadoc/org/gradle/api/file/FileTreeElement.html) as its parameter. If includes are not provided, then all files in this container will be included. If includes are provided, then a file must match at least one of the include patterns or specs to be included. |
| [include](http://docs.google.com/org.gradle.api.plugins.quality.Pmd.html#org.gradle.api.plugins.quality.Pmd:include(java.lang.Iterable))(includes) | Adds an ANT style include pattern. This method may be called multiple times to append new patterns and multiple patterns may be specified in a single call. If includes are not provided, then all files in this container will be included. If includes are provided, then a file must match at least one of the include patterns to be processed. |
| [include](http://docs.google.com/org.gradle.api.plugins.quality.Pmd.html#org.gradle.api.plugins.quality.Pmd:include(java.lang.String%5B%5D))(includes) | Adds an ANT style include pattern. This method may be called multiple times to append new patterns and multiple patterns may be specified in a single call. If includes are not provided, then all files in this container will be included. If includes are provided, then a file must match at least one of the include patterns to be processed. |
| [include](http://docs.google.com/org.gradle.api.plugins.quality.Pmd.html#org.gradle.api.plugins.quality.Pmd:include(org.gradle.api.specs.Spec))(includeSpec) | Adds an include spec. This method may be called multiple times to append new specs. If includes are not provided, then all files in this container will be included. If includes are provided, then a file must match at least one of the include patterns or specs to be included. |
| [reports](http://docs.google.com/org.gradle.api.plugins.quality.Pmd.html#org.gradle.api.plugins.quality.Pmd:reports(org.gradle.api.Action))(configureAction) | Configures the reports to be generated by this task. |
| [source](http://docs.google.com/org.gradle.api.plugins.quality.Pmd.html#org.gradle.api.plugins.quality.Pmd:source(java.lang.Object%5B%5D))(sources) | Adds some source to this task. The given source objects will be evaluated as per [Project.files(java.lang.Object[])](http://docs.google.com/dsl/org.gradle.api.Project.html#org.gradle.api.Project:files(java.lang.Object%5B%5D)). |

Script blocks

| Block | Description |
| --- | --- |
| [reports](http://docs.google.com/org.gradle.api.plugins.quality.Pmd.html#org.gradle.api.plugins.quality.Pmd:reports(groovy.lang.Closure)) | Configures the reports to be generated by this task. |

Property details

[**FileCollection**](http://docs.google.com/javadoc/org/gradle/api/file/FileCollection.html) classpath

Note: This property is [incubating](http://docs.google.com/userguide/feature_lifecycle.html) and may change in a future version of Gradle.

Compile class path for the classes to be analyzed. The classes on this class path are used during analysis but aren't analyzed themselves. This is only well supported for PMD 5.2.1 or better.

Default with pmd plugin: *sourceSet*.output and *sourceSet*.compileClasspath

boolean consoleOutput

Note: This property is [incubating](http://docs.google.com/userguide/feature_lifecycle.html) and may change in a future version of Gradle.

Whether or not to write PMD results to System.out.

Default with pmd plugin:project.pmd.consoleOutput

[**Set**](http://download.oracle.com/javase/8/docs/api/java/util/Set.html)<[**String**](http://download.oracle.com/javase/8/docs/api/java/lang/String.html)> excludes

The set of exclude patterns.

boolean ignoreFailures

Whether or not to allow the build to continue if there are warnings. Example: ignoreFailures = true

Default with pmd plugin:project.pmd.ignoreFailures

[**Set**](http://download.oracle.com/javase/8/docs/api/java/util/Set.html)<[**String**](http://download.oracle.com/javase/8/docs/api/java/lang/String.html)> includes

The set of include patterns.

[**FileCollection**](http://docs.google.com/javadoc/org/gradle/api/file/FileCollection.html) pmdClasspath

The class path containing the PMD library to be used.

Default with pmd plugin:project.configurations.pmd

[**PmdReports**](http://docs.google.com/javadoc/org/gradle/api/plugins/quality/PmdReports.html) reports (read-only)

The reports to be generated by this task.

int rulePriority

Note: This property is [incubating](http://docs.google.com/userguide/feature_lifecycle.html) and may change in a future version of Gradle.

Specifies the rule priority threshold.

Default with pmd plugin:project.pmd.rulePriority

[**TextResource**](http://docs.google.com/dsl/org.gradle.api.resources.TextResource.html) ruleSetConfig

Note: This property is [incubating](http://docs.google.com/userguide/feature_lifecycle.html) and may change in a future version of Gradle.

The custom rule set to be used (if any). Replaces ruleSetFiles, except that it does not currently support multiple rule sets. See the [official documentation](http://pmd.sourceforge.net/howtomakearuleset.html) for how to author a rule set. Example: ruleSetConfig = resources.text.fromFile(resources.file("config/pmd/myRuleSets.xml"))

Default with pmd plugin:project.pmd.ruleSetConfig

[**FileCollection**](http://docs.google.com/javadoc/org/gradle/api/file/FileCollection.html) ruleSetFiles

The custom rule set files to be used. See the [official documentation](http://pmd.sourceforge.net/howtomakearuleset.html) for how to author a rule set file. Example: ruleSetFiles = files("config/pmd/myRuleSets.xml")

Default with pmd plugin:project.pmd.ruleSetFiles

[**List**](http://download.oracle.com/javase/8/docs/api/java/util/List.html)<[**String**](http://download.oracle.com/javase/8/docs/api/java/lang/String.html)> ruleSets

The built-in rule sets to be used. See the [official list](http://pmd.sourceforge.net/rules/index.html) of built-in rule sets. Example: ruleSets = ["basic", "braces"]

Default with pmd plugin:project.pmd.ruleSets

[**FileTree**](http://docs.google.com/javadoc/org/gradle/api/file/FileTree.html) source (read-only)

The source for this task, after the include and exclude patterns have been applied. Ignores source files which do not exist.

Default with pmd plugin:*sourceSet*.allJava

[**TargetJdk**](http://docs.google.com/javadoc/org/gradle/api/plugins/quality/TargetJdk.html) targetJdk

The target JDK to use with PMD.

Default with pmd plugin:project.pmd.targetJdk

Method details

[**SourceTask**](http://docs.google.com/dsl/org.gradle.api.tasks.SourceTask.html) exclude([**Closure**](http://docs.groovy-lang.org/2.4.15/html/gapi/groovy/lang/Closure.html) excludeSpec)

Adds an exclude spec. This method may be called multiple times to append new specs.The given closure is passed a [FileTreeElement](http://docs.google.com/javadoc/org/gradle/api/file/FileTreeElement.html) as its parameter. The closure should return true or false. Example:

copySpec {  
 from 'source'  
 into 'destination'  
 //an example of excluding files from certain configuration:  
 exclude { it.file in configurations.someConf.files }  
}

If excludes are not provided, then no files will be excluded. If excludes are provided, then files must not match any exclude pattern to be processed.

[**SourceTask**](http://docs.google.com/dsl/org.gradle.api.tasks.SourceTask.html) exclude([**Iterable**](http://download.oracle.com/javase/8/docs/api/java/lang/Iterable.html)<[**String**](http://download.oracle.com/javase/8/docs/api/java/lang/String.html)> excludes)

Adds an ANT style exclude pattern. This method may be called multiple times to append new patterns and multiple patterns may be specified in a single call. If excludes are not provided, then no files will be excluded. If excludes are provided, then files must not match any exclude pattern to be processed.

[**SourceTask**](http://docs.google.com/dsl/org.gradle.api.tasks.SourceTask.html) exclude([**String**](http://download.oracle.com/javase/8/docs/api/java/lang/String.html)... excludes)

Adds an ANT style exclude pattern. This method may be called multiple times to append new patterns and multiple patterns may be specified in a single call. If excludes are not provided, then no files will be excluded. If excludes are provided, then files must not match any exclude pattern to be processed.

[**SourceTask**](http://docs.google.com/dsl/org.gradle.api.tasks.SourceTask.html) exclude([**Spec**](http://docs.google.com/javadoc/org/gradle/api/specs/Spec.html)<[**FileTreeElement**](http://docs.google.com/javadoc/org/gradle/api/file/FileTreeElement.html)> excludeSpec)

Adds an exclude spec. This method may be called multiple times to append new specs. If excludes are not provided, then no files will be excluded. If excludes are provided, then files must not match any exclude pattern to be processed.

[**SourceTask**](http://docs.google.com/dsl/org.gradle.api.tasks.SourceTask.html) include([**Closure**](http://docs.groovy-lang.org/2.4.15/html/gapi/groovy/lang/Closure.html) includeSpec)

Adds an include spec. This method may be called multiple times to append new specs. The given closure is passed a [FileTreeElement](http://docs.google.com/javadoc/org/gradle/api/file/FileTreeElement.html) as its parameter. If includes are not provided, then all files in this container will be included. If includes are provided, then a file must match at least one of the include patterns or specs to be included.

[**SourceTask**](http://docs.google.com/dsl/org.gradle.api.tasks.SourceTask.html) include([**Iterable**](http://download.oracle.com/javase/8/docs/api/java/lang/Iterable.html)<[**String**](http://download.oracle.com/javase/8/docs/api/java/lang/String.html)> includes)

Adds an ANT style include pattern. This method may be called multiple times to append new patterns and multiple patterns may be specified in a single call. If includes are not provided, then all files in this container will be included. If includes are provided, then a file must match at least one of the include patterns to be processed.

[**SourceTask**](http://docs.google.com/dsl/org.gradle.api.tasks.SourceTask.html) include([**String**](http://download.oracle.com/javase/8/docs/api/java/lang/String.html)... includes)

Adds an ANT style include pattern. This method may be called multiple times to append new patterns and multiple patterns may be specified in a single call. If includes are not provided, then all files in this container will be included. If includes are provided, then a file must match at least one of the include patterns to be processed.

[**SourceTask**](http://docs.google.com/dsl/org.gradle.api.tasks.SourceTask.html) include([**Spec**](http://docs.google.com/javadoc/org/gradle/api/specs/Spec.html)<[**FileTreeElement**](http://docs.google.com/javadoc/org/gradle/api/file/FileTreeElement.html)> includeSpec)

Adds an include spec. This method may be called multiple times to append new specs. If includes are not provided, then all files in this container will be included. If includes are provided, then a file must match at least one of the include patterns or specs to be included.

[**PmdReports**](http://docs.google.com/javadoc/org/gradle/api/plugins/quality/PmdReports.html) reports([**Action**](http://docs.google.com/javadoc/org/gradle/api/Action.html)<? super [**PmdReports**](http://docs.google.com/javadoc/org/gradle/api/plugins/quality/PmdReports.html)> configureAction)

Configures the reports to be generated by this task.

[**SourceTask**](http://docs.google.com/dsl/org.gradle.api.tasks.SourceTask.html) source([**Object**](http://download.oracle.com/javase/8/docs/api/java/lang/Object.html)... sources)

Adds some source to this task. The given source objects will be evaluated as per [Project.files(java.lang.Object[])](http://docs.google.com/dsl/org.gradle.api.Project.html#org.gradle.api.Project:files(java.lang.Object%5B%5D)).

Script block details

reports { }

Configures the reports to be generated by this task.

Delegates to:[PmdReports](http://docs.google.com/javadoc/org/gradle/api/plugins/quality/PmdReports.html) from [reports](http://docs.google.com/org.gradle.api.plugins.quality.Pmd.html#org.gradle.api.plugins.quality.Pmd:reports)

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

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