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.testing.jacoco.tasks.JacocoCoverageVerification.html#N242CE)
  + [Methods](http://docs.google.com/org.gradle.testing.jacoco.tasks.JacocoCoverageVerification.html#N24327)

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* [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))
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* [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))

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* [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)
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* [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)
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* [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)

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* [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)
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* [MavenPublication](http://docs.google.com/org.gradle.api.publish.maven.MavenPublication.html)
* [MavenArtifact](http://docs.google.com/org.gradle.api.publish.maven.MavenArtifact.html)
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* [MavenPomCiManagement](http://docs.google.com/org.gradle.api.publish.maven.MavenPomCiManagement.html)
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* [MavenPomDeveloper](http://docs.google.com/org.gradle.api.publish.maven.MavenPomDeveloper.html)
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* [ArtifactHandler](http://docs.google.com/org.gradle.api.artifacts.dsl.ArtifactHandler.html)

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* [BuildCacheConfiguration](http://docs.google.com/org.gradle.caching.configuration.BuildCacheConfiguration.html)
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### Input Normalization types

* [InputNormalizationHandler](http://docs.google.com/org.gradle.normalization.InputNormalizationHandler.html)
* [InputNormalization](http://docs.google.com/org.gradle.normalization.InputNormalization.html)
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* [TaskReportTask](http://docs.google.com/org.gradle.api.tasks.diagnostics.TaskReportTask.html)
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* [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)

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* [AntlrTask](http://docs.google.com/org.gradle.api.plugins.antlr.AntlrTask.html)
* [BuildEnvironmentReportTask](http://docs.google.com/org.gradle.api.tasks.diagnostics.BuildEnvironmentReportTask.html)
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* [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)
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* [Upload](http://docs.google.com/org.gradle.api.tasks.Upload.html)
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* [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)

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* [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)

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* [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)
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* [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)
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* [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)
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* [NativeLibrarySpec](http://docs.google.com/org.gradle.nativeplatform.NativeLibrarySpec.html)
* [NativeTestSuiteSpec](http://docs.google.com/org.gradle.nativeplatform.test.NativeTestSuiteSpec.html)
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* [GoogleTestTestSuiteSpec](http://docs.google.com/org.gradle.nativeplatform.test.googletest.GoogleTestTestSuiteSpec.html)
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* [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)
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* [VisualStudioSolution](http://docs.google.com/org.gradle.ide.visualstudio.VisualStudioSolution.html)
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### 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)
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* [ObjectiveCCompile](http://docs.google.com/org.gradle.language.objectivec.tasks.ObjectiveCCompile.html)
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JacocoCoverageVerification

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| API Documentation: | [JacocoCoverageVerification](http://docs.google.com/javadoc/org/gradle/testing/jacoco/tasks/JacocoCoverageVerification.html) |
| --- | --- |

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

Task for verifying code coverage metrics. Fails the task if violations are detected based on specified rules.

Requires JaCoCo version >= 0.6.3.

Properties

| Property | Description |
| --- | --- |
| [additionalClassDirs](http://docs.google.com/org.gradle.testing.jacoco.tasks.JacocoCoverageVerification.html#org.gradle.testing.jacoco.tasks.JacocoCoverageVerification:additionalClassDirs) | Incubating  Additional class dirs that coverage data should be reported for. |
| [additionalSourceDirs](http://docs.google.com/org.gradle.testing.jacoco.tasks.JacocoCoverageVerification.html#org.gradle.testing.jacoco.tasks.JacocoCoverageVerification:additionalSourceDirs) | Incubating  Additional source dirs for the classes coverage data is being reported for. |
| [classDirectories](http://docs.google.com/org.gradle.testing.jacoco.tasks.JacocoCoverageVerification.html#org.gradle.testing.jacoco.tasks.JacocoCoverageVerification:classDirectories) | Incubating  Source sets that coverage should be reported for. |
| [executionData](http://docs.google.com/org.gradle.testing.jacoco.tasks.JacocoCoverageVerification.html#org.gradle.testing.jacoco.tasks.JacocoCoverageVerification:executionData) | Incubating  Collection of execution data files to analyze. |
| [jacocoClasspath](http://docs.google.com/org.gradle.testing.jacoco.tasks.JacocoCoverageVerification.html#org.gradle.testing.jacoco.tasks.JacocoCoverageVerification:jacocoClasspath) | Incubating  Classpath containing Jacoco classes for use by the task. |
| [sourceDirectories](http://docs.google.com/org.gradle.testing.jacoco.tasks.JacocoCoverageVerification.html#org.gradle.testing.jacoco.tasks.JacocoCoverageVerification:sourceDirectories) | Incubating  Source sets that coverage should be reported for. |
| [violationRules](http://docs.google.com/org.gradle.testing.jacoco.tasks.JacocoCoverageVerification.html#org.gradle.testing.jacoco.tasks.JacocoCoverageVerification:violationRules) | Incubating  The violation rules set for this task. |

Methods

| Method | Description |
| --- | --- |
| [executionData](http://docs.google.com/org.gradle.testing.jacoco.tasks.JacocoCoverageVerification.html#org.gradle.testing.jacoco.tasks.JacocoCoverageVerification:executionData(java.lang.Object%5B%5D))(files) | Incubating  Adds execution data files to be used during coverage analysis. |
| [executionData](http://docs.google.com/org.gradle.testing.jacoco.tasks.JacocoCoverageVerification.html#org.gradle.testing.jacoco.tasks.JacocoCoverageVerification:executionData(org.gradle.api.Task%5B%5D))(tasks) | Incubating  Adds execution data generated by a task to the list of those used during coverage analysis. Only tasks with a [JacocoTaskExtension](http://docs.google.com/dsl/org.gradle.testing.jacoco.plugins.JacocoTaskExtension.html) will be included; all others will be ignored. |
| [executionData](http://docs.google.com/org.gradle.testing.jacoco.tasks.JacocoCoverageVerification.html#org.gradle.testing.jacoco.tasks.JacocoCoverageVerification:executionData(org.gradle.api.tasks.TaskCollection))(tasks) | Incubating  Adds execution data generated by the given tasks to the list of those used during coverage analysis. Only tasks with a [JacocoTaskExtension](http://docs.google.com/dsl/org.gradle.testing.jacoco.plugins.JacocoTaskExtension.html) will be included; all others will be ignored. |

Script blocks

No script blocks

Property details

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

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

Additional class dirs that coverage data should be reported for.

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

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

Additional source dirs for the classes coverage data is being reported for.

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

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

Source sets that coverage should be reported for.

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

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

Collection of execution data files to analyze.

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

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

Classpath containing Jacoco classes for use by the task.

Default with jacoco plugin: project.configurations.jacocoAnt

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

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

Source sets that coverage should be reported for.

[**JacocoViolationRulesContainer**](http://docs.google.com/javadoc/org/gradle/testing/jacoco/tasks/rules/JacocoViolationRulesContainer.html) violationRules (read-only)

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

The violation rules set for this task.

Method details

void executionData([**Object**](http://download.oracle.com/javase/8/docs/api/java/lang/Object.html)... files)

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

Adds execution data files to be used during coverage analysis.

void executionData([**Task**](http://docs.google.com/dsl/org.gradle.api.Task.html)... tasks)

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

Adds execution data generated by a task to the list of those used during coverage analysis. Only tasks with a [JacocoTaskExtension](http://docs.google.com/dsl/org.gradle.testing.jacoco.plugins.JacocoTaskExtension.html) will be included; all others will be ignored.

void executionData([**TaskCollection**](http://docs.google.com/dsl/org.gradle.api.tasks.TaskCollection.html) tasks)

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

Adds execution data generated by the given tasks to the list of those used during coverage analysis. Only tasks with a [JacocoTaskExtension](http://docs.google.com/dsl/org.gradle.testing.jacoco.plugins.JacocoTaskExtension.html) will be included; all others will be ignored.

**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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