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/)
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  + [Script blocks](http://docs.google.com/org.gradle.api.tasks.testing.AbstractTestTask.html#N2736A)

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

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

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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)
* [Checkstyle](http://docs.google.com/org.gradle.api.plugins.quality.Checkstyle.html)
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* [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)
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* [ScalaCompile](http://docs.google.com/org.gradle.api.tasks.scala.ScalaCompile.html)
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* [Zip](http://docs.google.com/org.gradle.api.tasks.bundling.Zip.html)

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* [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)

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* [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)
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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)
* [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)
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* [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)
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* [VisualCpp](http://docs.google.com/org.gradle.nativeplatform.toolchain.VisualCpp.html)
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* [CSourceSet](http://docs.google.com/org.gradle.language.c.CSourceSet.html)
* [CppSourceSet](http://docs.google.com/org.gradle.language.cpp.CppSourceSet.html)
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* [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)
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* [NativeLibrary](http://docs.google.com/org.gradle.nativeplatform.NativeLibrary.html)
* [NativeBinary](http://docs.google.com/org.gradle.nativeplatform.NativeBinary.html)
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* [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)
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* [InstallExecutable](http://docs.google.com/org.gradle.nativeplatform.tasks.InstallExecutable.html)
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AbstractTestTask

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

| Known Subtypes: | | [Test](http://docs.google.com/dsl/org.gradle.api.tasks.testing.Test.html) | | --- | |
| --- | --- | --- |

Abstract class for all test task.

* Support for test listeners
* Support for reporting
* Support for report linking in the console output

*Note:* This abstract class is not intended for implementation by build script or plugin authors.

Properties

| Property | Description |
| --- | --- |
| [binResultsDir](http://docs.google.com/org.gradle.api.tasks.testing.AbstractTestTask.html#org.gradle.api.tasks.testing.AbstractTestTask:binResultsDir) | Incubating  The root folder for the test results in internal binary format. |
| [ignoreFailures](http://docs.google.com/org.gradle.api.tasks.testing.AbstractTestTask.html#org.gradle.api.tasks.testing.AbstractTestTask:ignoreFailures) | Specifies whether the build should break when the verifications performed by this task fail. |
| [reports](http://docs.google.com/org.gradle.api.tasks.testing.AbstractTestTask.html#org.gradle.api.tasks.testing.AbstractTestTask:reports) | The reports that this task potentially produces. |

Methods

| Method | Description |
| --- | --- |
| [addTestListener](http://docs.google.com/org.gradle.api.tasks.testing.AbstractTestTask.html#org.gradle.api.tasks.testing.AbstractTestTask:addTestListener(org.gradle.api.tasks.testing.TestListener))(listener) | Registers a test listener with this task. Consider also the following handy methods for quicker hooking into test execution: [AbstractTestTask.beforeTest(groovy.lang.Closure)](http://docs.google.com/dsl/org.gradle.api.tasks.testing.AbstractTestTask.html#org.gradle.api.tasks.testing.AbstractTestTask:beforeTest(groovy.lang.Closure)), [AbstractTestTask.afterTest(groovy.lang.Closure)](http://docs.google.com/dsl/org.gradle.api.tasks.testing.AbstractTestTask.html#org.gradle.api.tasks.testing.AbstractTestTask:afterTest(groovy.lang.Closure)), [AbstractTestTask.beforeSuite(groovy.lang.Closure)](http://docs.google.com/dsl/org.gradle.api.tasks.testing.AbstractTestTask.html#org.gradle.api.tasks.testing.AbstractTestTask:beforeSuite(groovy.lang.Closure)), [AbstractTestTask.afterSuite(groovy.lang.Closure)](http://docs.google.com/dsl/org.gradle.api.tasks.testing.AbstractTestTask.html#org.gradle.api.tasks.testing.AbstractTestTask:afterSuite(groovy.lang.Closure)) |
| [addTestOutputListener](http://docs.google.com/org.gradle.api.tasks.testing.AbstractTestTask.html#org.gradle.api.tasks.testing.AbstractTestTask:addTestOutputListener(org.gradle.api.tasks.testing.TestOutputListener))(listener) | Registers a output listener with this task. Quicker way of hooking into output events is using the [AbstractTestTask.onOutput(groovy.lang.Closure)](http://docs.google.com/dsl/org.gradle.api.tasks.testing.AbstractTestTask.html#org.gradle.api.tasks.testing.AbstractTestTask:onOutput(groovy.lang.Closure)) method. |
| [afterSuite](http://docs.google.com/org.gradle.api.tasks.testing.AbstractTestTask.html#org.gradle.api.tasks.testing.AbstractTestTask:afterSuite(groovy.lang.Closure))(closure) | Adds a closure to be notified after a test suite has executed. A [TestDescriptor](http://docs.google.com/javadoc/org/gradle/api/tasks/testing/TestDescriptor.html) and [TestResult](http://docs.google.com/javadoc/org/gradle/api/tasks/testing/TestResult.html) instance are passed to the closure as a parameter. |
| [afterTest](http://docs.google.com/org.gradle.api.tasks.testing.AbstractTestTask.html#org.gradle.api.tasks.testing.AbstractTestTask:afterTest(groovy.lang.Closure))(closure) | Adds a closure to be notified after a test has executed. A [TestDescriptor](http://docs.google.com/javadoc/org/gradle/api/tasks/testing/TestDescriptor.html) and [TestResult](http://docs.google.com/javadoc/org/gradle/api/tasks/testing/TestResult.html) instance are passed to the closure as a parameter. |
| [beforeSuite](http://docs.google.com/org.gradle.api.tasks.testing.AbstractTestTask.html#org.gradle.api.tasks.testing.AbstractTestTask:beforeSuite(groovy.lang.Closure))(closure) | Adds a closure to be notified before a test suite is executed. A [TestDescriptor](http://docs.google.com/javadoc/org/gradle/api/tasks/testing/TestDescriptor.html) instance is passed to the closure as a parameter. |
| [beforeTest](http://docs.google.com/org.gradle.api.tasks.testing.AbstractTestTask.html#org.gradle.api.tasks.testing.AbstractTestTask:beforeTest(groovy.lang.Closure))(closure) | Adds a closure to be notified before a test is executed. A [TestDescriptor](http://docs.google.com/javadoc/org/gradle/api/tasks/testing/TestDescriptor.html) instance is passed to the closure as a parameter. |
| [onOutput](http://docs.google.com/org.gradle.api.tasks.testing.AbstractTestTask.html#org.gradle.api.tasks.testing.AbstractTestTask:onOutput(groovy.lang.Closure))(closure) | Adds a closure to be notified when output from the test received. A [TestDescriptor](http://docs.google.com/javadoc/org/gradle/api/tasks/testing/TestDescriptor.html) and [TestOutputEvent](http://docs.google.com/javadoc/org/gradle/api/tasks/testing/TestOutputEvent.html) instance are passed to the closure as a parameter. |
| [removeTestListener](http://docs.google.com/org.gradle.api.tasks.testing.AbstractTestTask.html#org.gradle.api.tasks.testing.AbstractTestTask:removeTestListener(org.gradle.api.tasks.testing.TestListener))(listener) | Unregisters a test listener with this task. This method will only remove listeners that were added by calling [AbstractTestTask.addTestListener(org.gradle.api.tasks.testing.TestListener)](http://docs.google.com/dsl/org.gradle.api.tasks.testing.AbstractTestTask.html#org.gradle.api.tasks.testing.AbstractTestTask:addTestListener(org.gradle.api.tasks.testing.TestListener)) on this task. If the listener was registered with Gradle using [Gradle.addListener(java.lang.Object)](http://docs.google.com/dsl/org.gradle.api.invocation.Gradle.html#org.gradle.api.invocation.Gradle:addListener(java.lang.Object)) this method will not do anything. Instead, use [Gradle.removeListener(java.lang.Object)](http://docs.google.com/dsl/org.gradle.api.invocation.Gradle.html#org.gradle.api.invocation.Gradle:removeListener(java.lang.Object)). |
| [removeTestOutputListener](http://docs.google.com/org.gradle.api.tasks.testing.AbstractTestTask.html#org.gradle.api.tasks.testing.AbstractTestTask:removeTestOutputListener(org.gradle.api.tasks.testing.TestOutputListener))(listener) | Unregisters a test output listener with this task. This method will only remove listeners that were added by calling [AbstractTestTask.addTestOutputListener(org.gradle.api.tasks.testing.TestOutputListener)](http://docs.google.com/dsl/org.gradle.api.tasks.testing.AbstractTestTask.html#org.gradle.api.tasks.testing.AbstractTestTask:addTestOutputListener(org.gradle.api.tasks.testing.TestOutputListener)) on this task. If the listener was registered with Gradle using [Gradle.addListener(java.lang.Object)](http://docs.google.com/dsl/org.gradle.api.invocation.Gradle.html#org.gradle.api.invocation.Gradle:addListener(java.lang.Object)) this method will not do anything. Instead, use [Gradle.removeListener(java.lang.Object)](http://docs.google.com/dsl/org.gradle.api.invocation.Gradle.html#org.gradle.api.invocation.Gradle:removeListener(java.lang.Object)). |
| [reports](http://docs.google.com/org.gradle.api.tasks.testing.AbstractTestTask.html#org.gradle.api.tasks.testing.AbstractTestTask:reports(org.gradle.api.Action))(configureAction) | Configures the reports that this task potentially produces. |
| [setTestNameIncludePatterns](http://docs.google.com/org.gradle.api.tasks.testing.AbstractTestTask.html#org.gradle.api.tasks.testing.AbstractTestTask:setTestNameIncludePatterns(java.util.List))(testNamePattern) | Incubating  Sets the test name patterns to be included in execution. Classes or method names are supported, wildcard '\*' is supported. For more information see the user guide chapter on testing. For more information on supported patterns see [TestFilter](http://docs.google.com/javadoc/org/gradle/api/tasks/testing/TestFilter.html) |

Script blocks

| Block | Description |
| --- | --- |
| [reports](http://docs.google.com/org.gradle.api.tasks.testing.AbstractTestTask.html#org.gradle.api.tasks.testing.AbstractTestTask:reports(groovy.lang.Closure)) | Configures the reports that this task potentially produces. |

Property details

[**File**](http://download.oracle.com/javase/8/docs/api/java/io/File.html) binResultsDir

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

The root folder for the test results in internal binary format.

Default:*project.testResultsDir*/binary/*task.name*

boolean ignoreFailures

Specifies whether the build should break when the verifications performed by this task fail.

[**TestTaskReports**](http://docs.google.com/javadoc/org/gradle/api/tasks/testing/TestTaskReports.html) reports (read-only)

The reports that this task potentially produces.

Method details

void addTestListener([**TestListener**](http://docs.google.com/javadoc/org/gradle/api/tasks/testing/TestListener.html) listener)

Registers a test listener with this task. Consider also the following handy methods for quicker hooking into test execution: [AbstractTestTask.beforeTest(groovy.lang.Closure)](http://docs.google.com/dsl/org.gradle.api.tasks.testing.AbstractTestTask.html#org.gradle.api.tasks.testing.AbstractTestTask:beforeTest(groovy.lang.Closure)), [AbstractTestTask.afterTest(groovy.lang.Closure)](http://docs.google.com/dsl/org.gradle.api.tasks.testing.AbstractTestTask.html#org.gradle.api.tasks.testing.AbstractTestTask:afterTest(groovy.lang.Closure)), [AbstractTestTask.beforeSuite(groovy.lang.Closure)](http://docs.google.com/dsl/org.gradle.api.tasks.testing.AbstractTestTask.html#org.gradle.api.tasks.testing.AbstractTestTask:beforeSuite(groovy.lang.Closure)), [AbstractTestTask.afterSuite(groovy.lang.Closure)](http://docs.google.com/dsl/org.gradle.api.tasks.testing.AbstractTestTask.html#org.gradle.api.tasks.testing.AbstractTestTask:afterSuite(groovy.lang.Closure))

This listener will NOT be notified of tests executed by other tasks. To get that behavior, use [Gradle.addListener(java.lang.Object)](http://docs.google.com/dsl/org.gradle.api.invocation.Gradle.html#org.gradle.api.invocation.Gradle:addListener(java.lang.Object)).

void addTestOutputListener([**TestOutputListener**](http://docs.google.com/javadoc/org/gradle/api/tasks/testing/TestOutputListener.html) listener)

Registers a output listener with this task. Quicker way of hooking into output events is using the [AbstractTestTask.onOutput(groovy.lang.Closure)](http://docs.google.com/dsl/org.gradle.api.tasks.testing.AbstractTestTask.html#org.gradle.api.tasks.testing.AbstractTestTask:onOutput(groovy.lang.Closure)) method.

void afterSuite([**Closure**](http://docs.groovy-lang.org/2.4.15/html/gapi/groovy/lang/Closure.html) closure)

Adds a closure to be notified after a test suite has executed. A [TestDescriptor](http://docs.google.com/javadoc/org/gradle/api/tasks/testing/TestDescriptor.html) and [TestResult](http://docs.google.com/javadoc/org/gradle/api/tasks/testing/TestResult.html) instance are passed to the closure as a parameter.

This method is also called after all test suites are executed. The provided descriptor will have a null parent suite.

void afterTest([**Closure**](http://docs.groovy-lang.org/2.4.15/html/gapi/groovy/lang/Closure.html) closure)

Adds a closure to be notified after a test has executed. A [TestDescriptor](http://docs.google.com/javadoc/org/gradle/api/tasks/testing/TestDescriptor.html) and [TestResult](http://docs.google.com/javadoc/org/gradle/api/tasks/testing/TestResult.html) instance are passed to the closure as a parameter.

void beforeSuite([**Closure**](http://docs.groovy-lang.org/2.4.15/html/gapi/groovy/lang/Closure.html) closure)

Adds a closure to be notified before a test suite is executed. A [TestDescriptor](http://docs.google.com/javadoc/org/gradle/api/tasks/testing/TestDescriptor.html) instance is passed to the closure as a parameter.

This method is also called before any test suites are executed. The provided descriptor will have a null parent suite.

void beforeTest([**Closure**](http://docs.groovy-lang.org/2.4.15/html/gapi/groovy/lang/Closure.html) closure)

Adds a closure to be notified before a test is executed. A [TestDescriptor](http://docs.google.com/javadoc/org/gradle/api/tasks/testing/TestDescriptor.html) instance is passed to the closure as a parameter.

void onOutput([**Closure**](http://docs.groovy-lang.org/2.4.15/html/gapi/groovy/lang/Closure.html) closure)

Adds a closure to be notified when output from the test received. A [TestDescriptor](http://docs.google.com/javadoc/org/gradle/api/tasks/testing/TestDescriptor.html) and [TestOutputEvent](http://docs.google.com/javadoc/org/gradle/api/tasks/testing/TestOutputEvent.html) instance are passed to the closure as a parameter.

apply plugin: 'java'  
  
test {  
 onOutput { descriptor, event ->  
 if (event.destination == TestOutputEvent.Destination.StdErr) {  
 logger.error("Test: " + descriptor + ", error: " + event.message)  
 }  
 }  
}

void removeTestListener([**TestListener**](http://docs.google.com/javadoc/org/gradle/api/tasks/testing/TestListener.html) listener)

Unregisters a test listener with this task. This method will only remove listeners that were added by calling [AbstractTestTask.addTestListener(org.gradle.api.tasks.testing.TestListener)](http://docs.google.com/dsl/org.gradle.api.tasks.testing.AbstractTestTask.html#org.gradle.api.tasks.testing.AbstractTestTask:addTestListener(org.gradle.api.tasks.testing.TestListener)) on this task. If the listener was registered with Gradle using [Gradle.addListener(java.lang.Object)](http://docs.google.com/dsl/org.gradle.api.invocation.Gradle.html#org.gradle.api.invocation.Gradle:addListener(java.lang.Object)) this method will not do anything. Instead, use [Gradle.removeListener(java.lang.Object)](http://docs.google.com/dsl/org.gradle.api.invocation.Gradle.html#org.gradle.api.invocation.Gradle:removeListener(java.lang.Object)).

void removeTestOutputListener([**TestOutputListener**](http://docs.google.com/javadoc/org/gradle/api/tasks/testing/TestOutputListener.html) listener)

Unregisters a test output listener with this task. This method will only remove listeners that were added by calling [AbstractTestTask.addTestOutputListener(org.gradle.api.tasks.testing.TestOutputListener)](http://docs.google.com/dsl/org.gradle.api.tasks.testing.AbstractTestTask.html#org.gradle.api.tasks.testing.AbstractTestTask:addTestOutputListener(org.gradle.api.tasks.testing.TestOutputListener)) on this task. If the listener was registered with Gradle using [Gradle.addListener(java.lang.Object)](http://docs.google.com/dsl/org.gradle.api.invocation.Gradle.html#org.gradle.api.invocation.Gradle:addListener(java.lang.Object)) this method will not do anything. Instead, use [Gradle.removeListener(java.lang.Object)](http://docs.google.com/dsl/org.gradle.api.invocation.Gradle.html#org.gradle.api.invocation.Gradle:removeListener(java.lang.Object)).

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

Configures the reports that this task potentially produces.

[**AbstractTestTask**](http://docs.google.com/dsl/org.gradle.api.tasks.testing.AbstractTestTask.html) setTestNameIncludePatterns([**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)> testNamePattern)

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

Sets the test name patterns to be included in execution. Classes or method names are supported, wildcard '\*' is supported. For more information see the user guide chapter on testing. For more information on supported patterns see [TestFilter](http://docs.google.com/javadoc/org/gradle/api/tasks/testing/TestFilter.html)

Script block details

reports { }

Configures the reports that this task potentially produces.

Delegates to:[TestTaskReports](http://docs.google.com/javadoc/org/gradle/api/tasks/testing/TestTaskReports.html) from [reports](http://docs.google.com/org.gradle.api.tasks.testing.AbstractTestTask.html#org.gradle.api.tasks.testing.AbstractTestTask: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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