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.plugins.JacocoTaskExtension.html#N27532)
  + [Methods](http://docs.google.com/org.gradle.testing.jacoco.plugins.JacocoTaskExtension.html#N275EA)

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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))
* [configurations { }](http://docs.google.com/org.gradle.api.Project.html#org.gradle.api.Project:configurations(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)
* [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)
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* [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)

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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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* [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)
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* [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)
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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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* [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)
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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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* [JacocoMerge](http://docs.google.com/org.gradle.testing.jacoco.tasks.JacocoMerge.html)
* [JacocoCoverageVerification](http://docs.google.com/org.gradle.testing.jacoco.tasks.JacocoCoverageVerification.html)
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* [Upload](http://docs.google.com/org.gradle.api.tasks.Upload.html)
* [War](http://docs.google.com/org.gradle.api.tasks.bundling.War.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)
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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)
* [EclipseJdt](http://docs.google.com/org.gradle.plugins.ide.eclipse.model.EclipseJdt.html)
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* [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)

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* [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)

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* [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)
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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)
* [BuildType](http://docs.google.com/org.gradle.nativeplatform.BuildType.html)
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### Native component task types

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* [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)
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JacocoTaskExtension

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

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

Extension for tasks that should run with a Jacoco agent to generate coverage execution data.

Properties

| Property | Description |
| --- | --- |
| [address](http://docs.google.com/org.gradle.testing.jacoco.plugins.JacocoTaskExtension.html#org.gradle.testing.jacoco.plugins.JacocoTaskExtension:address) | Incubating  IP address or hostname to use with [Output.TCP\_SERVER](http://docs.google.com/javadoc/org/gradle/testing/jacoco/plugins/JacocoTaskExtension.Output.html#TCP_SERVER) or [Output.TCP\_CLIENT](http://docs.google.com/javadoc/org/gradle/testing/jacoco/plugins/JacocoTaskExtension.Output.html#TCP_CLIENT). Defaults to localhost. |
| [append](http://docs.google.com/org.gradle.testing.jacoco.plugins.JacocoTaskExtension.html#org.gradle.testing.jacoco.plugins.JacocoTaskExtension:append) | Incubating  Whether or not data should be appended if the destinationFile already exists. Defaults to true. |
| [classDumpDir](http://docs.google.com/org.gradle.testing.jacoco.plugins.JacocoTaskExtension.html#org.gradle.testing.jacoco.plugins.JacocoTaskExtension:classDumpDir) | Incubating  Path to dump all class files the agent sees are dumped to. Defaults to no dumps. |
| [destinationFile](http://docs.google.com/org.gradle.testing.jacoco.plugins.JacocoTaskExtension.html#org.gradle.testing.jacoco.plugins.JacocoTaskExtension:destinationFile) | Incubating  The path for the execution data to be written to. |
| [dumpOnExit](http://docs.google.com/org.gradle.testing.jacoco.plugins.JacocoTaskExtension.html#org.gradle.testing.jacoco.plugins.JacocoTaskExtension:dumpOnExit) | Incubating  Whether or not to dump the coverage data at VM shutdown. Defaults to true. |
| [excludeClassLoaders](http://docs.google.com/org.gradle.testing.jacoco.plugins.JacocoTaskExtension.html#org.gradle.testing.jacoco.plugins.JacocoTaskExtension:excludeClassLoaders) | Incubating  List of classloader names that should be excluded from analysis. Names can use wildcards (\* and ?). Defaults to an empty list. |
| [excludes](http://docs.google.com/org.gradle.testing.jacoco.plugins.JacocoTaskExtension.html#org.gradle.testing.jacoco.plugins.JacocoTaskExtension:excludes) | Incubating  List of class names that should be excluded from analysis. Names can use wildcard (\* and ?). Defaults to an empty list. |
| [includes](http://docs.google.com/org.gradle.testing.jacoco.plugins.JacocoTaskExtension.html#org.gradle.testing.jacoco.plugins.JacocoTaskExtension:includes) | Incubating  List of class names that should be included in analysis. Names can use wildcards (\* and ?). If left empty, all classes will be included. Defaults to an empty list. |
| [jmx](http://docs.google.com/org.gradle.testing.jacoco.plugins.JacocoTaskExtension.html#org.gradle.testing.jacoco.plugins.JacocoTaskExtension:jmx) | Incubating  Whether or not to expose functionality via JMX under org.jacoco:type=Runtime. Defaults to false. The configuration of the jmx property is only taken into account if the used JaCoCo version supports this option (JaCoCo version >= 0.6.2) |
| [output](http://docs.google.com/org.gradle.testing.jacoco.plugins.JacocoTaskExtension.html#org.gradle.testing.jacoco.plugins.JacocoTaskExtension:output) | Incubating  The type of output to generate. Defaults to [Output.FILE](http://docs.google.com/javadoc/org/gradle/testing/jacoco/plugins/JacocoTaskExtension.Output.html#FILE). |
| [port](http://docs.google.com/org.gradle.testing.jacoco.plugins.JacocoTaskExtension.html#org.gradle.testing.jacoco.plugins.JacocoTaskExtension:port) | Incubating  Port to bind to for [Output.TCP\_SERVER](http://docs.google.com/javadoc/org/gradle/testing/jacoco/plugins/JacocoTaskExtension.Output.html#TCP_SERVER) or [Output.TCP\_CLIENT](http://docs.google.com/javadoc/org/gradle/testing/jacoco/plugins/JacocoTaskExtension.Output.html#TCP_CLIENT). Defaults to 6300. |
| [sessionId](http://docs.google.com/org.gradle.testing.jacoco.plugins.JacocoTaskExtension.html#org.gradle.testing.jacoco.plugins.JacocoTaskExtension:sessionId) | Incubating  An identifier for the session written to the execution data. Defaults to an auto-generated identifier. |

Methods

| Method | Description |
| --- | --- |
| [getAsJvmArg](http://docs.google.com/org.gradle.testing.jacoco.plugins.JacocoTaskExtension.html#org.gradle.testing.jacoco.plugins.JacocoTaskExtension:getAsJvmArg())() | Incubating  Gets all properties in the format expected of the agent JVM argument. |

Script blocks

No script blocks

Property details

[**String**](http://download.oracle.com/javase/8/docs/api/java/lang/String.html) address

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

IP address or hostname to use with [Output.TCP\_SERVER](http://docs.google.com/javadoc/org/gradle/testing/jacoco/plugins/JacocoTaskExtension.Output.html#TCP_SERVER) or [Output.TCP\_CLIENT](http://docs.google.com/javadoc/org/gradle/testing/jacoco/plugins/JacocoTaskExtension.Output.html#TCP_CLIENT). Defaults to localhost.

boolean append

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 data should be appended if the destinationFile already exists. Defaults to true.

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

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

Path to dump all class files the agent sees are dumped to. Defaults to no dumps.

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

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

The path for the execution data to be written to.

boolean dumpOnExit

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 dump the coverage data at VM shutdown. Defaults to true.

[**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)> excludeClassLoaders

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

List of classloader names that should be excluded from analysis. Names can use wildcards (\* and ?). Defaults to an empty list.

[**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)> excludes

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

List of class names that should be excluded from analysis. Names can use wildcard (\* and ?). Defaults to an empty list.

[**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)> includes

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

List of class names that should be included in analysis. Names can use wildcards (\* and ?). If left empty, all classes will be included. Defaults to an empty list.

boolean jmx

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 expose functionality via JMX under org.jacoco:type=Runtime. Defaults to false. The configuration of the jmx property is only taken into account if the used JaCoCo version supports this option (JaCoCo version >= 0.6.2)

[**Output**](http://docs.google.com/javadoc/org/gradle/testing/jacoco/plugins/JacocoTaskExtension.Output.html) output

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

The type of output to generate. Defaults to [Output.FILE](http://docs.google.com/javadoc/org/gradle/testing/jacoco/plugins/JacocoTaskExtension.Output.html#FILE).

int port

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

Port to bind to for [Output.TCP\_SERVER](http://docs.google.com/javadoc/org/gradle/testing/jacoco/plugins/JacocoTaskExtension.Output.html#TCP_SERVER) or [Output.TCP\_CLIENT](http://docs.google.com/javadoc/org/gradle/testing/jacoco/plugins/JacocoTaskExtension.Output.html#TCP_CLIENT). Defaults to 6300.

[**String**](http://download.oracle.com/javase/8/docs/api/java/lang/String.html) sessionId

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

An identifier for the session written to the execution data. Defaults to an auto-generated identifier.

Method details

[**String**](http://download.oracle.com/javase/8/docs/api/java/lang/String.html) getAsJvmArg()

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

Gets all properties in the format expected of the agent JVM argument.

**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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