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.tasks.wrapper.Wrapper.html#N29061)

### 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))

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* [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)

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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)
* [IvyModuleDescriptorAuthor](http://docs.google.com/org.gradle.api.publish.ivy.IvyModuleDescriptorAuthor.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)
* [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)
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* [TaskContainer](http://docs.google.com/org.gradle.api.tasks.TaskContainer.html)
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* [DependencyHandler](http://docs.google.com/org.gradle.api.artifacts.dsl.DependencyHandler.html)
* [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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### Help Task types

* [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)
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* [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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* [Copy](http://docs.google.com/org.gradle.api.tasks.Copy.html)
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* [Jar](http://docs.google.com/org.gradle.api.tasks.bundling.Jar.html)
* [JavaCompile](http://docs.google.com/org.gradle.api.tasks.compile.JavaCompile.html)
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* [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)
* [EclipseJdt](http://docs.google.com/org.gradle.plugins.ide.eclipse.model.EclipseJdt.html)
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* [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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* [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)
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* [PrebuiltStaticLibraryBinary](http://docs.google.com/org.gradle.nativeplatform.PrebuiltStaticLibraryBinary.html)
* [NativeComponentSpec](http://docs.google.com/org.gradle.nativeplatform.NativeComponentSpec.html)
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* [CUnitTestSuiteBinarySpec](http://docs.google.com/org.gradle.nativeplatform.test.cunit.CUnitTestSuiteBinarySpec.html)
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* [NativePlatform](http://docs.google.com/org.gradle.nativeplatform.platform.NativePlatform.html)
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* [StaticLibraryBinary](http://docs.google.com/org.gradle.nativeplatform.StaticLibraryBinary.html)

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* [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)
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* [WindowsResourceCompile](http://docs.google.com/org.gradle.language.rc.tasks.WindowsResourceCompile.html)
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Wrapper

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

Generates scripts (for \*nix and windows) which allow you to build your project with Gradle, without having to install Gradle.

When a user executes a wrapper script the first time, the script downloads and installs the appropriate Gradle distribution and runs the build against this downloaded distribution. Any installed Gradle distribution is ignored when using the wrapper scripts.

The scripts generated by this task are intended to be committed to your version control system. This task also generates a small gradle-wrapper.jar bootstrap JAR file and properties file which should also be committed to your VCS. The scripts delegates to this JAR.

Properties

| Property | Description |
| --- | --- |
| [archiveBase](http://docs.google.com/org.gradle.api.tasks.wrapper.Wrapper.html#org.gradle.api.tasks.wrapper.Wrapper:archiveBase) | The archive base specifies whether the unpacked wrapper distribution should be stored in the project or in the gradle user home dir. |
| [archivePath](http://docs.google.com/org.gradle.api.tasks.wrapper.Wrapper.html#org.gradle.api.tasks.wrapper.Wrapper:archivePath) | The path where the gradle distributions archive should be saved (i.e. the parent dir). The path is relative to the archive base directory. |
| [distributionBase](http://docs.google.com/org.gradle.api.tasks.wrapper.Wrapper.html#org.gradle.api.tasks.wrapper.Wrapper:distributionBase) | The distribution base specifies whether the unpacked wrapper distribution should be stored in the project or in the gradle user home dir. |
| [distributionPath](http://docs.google.com/org.gradle.api.tasks.wrapper.Wrapper.html#org.gradle.api.tasks.wrapper.Wrapper:distributionPath) | The path where the gradle distributions needed by the wrapper are unzipped. The path is relative to the distribution base directory |
| [distributionType](http://docs.google.com/org.gradle.api.tasks.wrapper.Wrapper.html#org.gradle.api.tasks.wrapper.Wrapper:distributionType) | The type of the Gradle distribution to be used by the wrapper. |
| [distributionUrl](http://docs.google.com/org.gradle.api.tasks.wrapper.Wrapper.html#org.gradle.api.tasks.wrapper.Wrapper:distributionUrl) | The URL to download the gradle distribution from. |
| [gradleVersion](http://docs.google.com/org.gradle.api.tasks.wrapper.Wrapper.html#org.gradle.api.tasks.wrapper.Wrapper:gradleVersion) | The gradle version for the wrapper. |
| [jarFile](http://docs.google.com/org.gradle.api.tasks.wrapper.Wrapper.html#org.gradle.api.tasks.wrapper.Wrapper:jarFile) | The file to write the wrapper jar file to. |
| [propertiesFile](http://docs.google.com/org.gradle.api.tasks.wrapper.Wrapper.html#org.gradle.api.tasks.wrapper.Wrapper:propertiesFile) | The file to write the wrapper properties to. |
| [scriptFile](http://docs.google.com/org.gradle.api.tasks.wrapper.Wrapper.html#org.gradle.api.tasks.wrapper.Wrapper:scriptFile) | The file to write the wrapper script to. |

Methods

No methods

Script blocks

No script blocks

Property details

[**PathBase**](http://docs.google.com/javadoc/org/gradle/api/tasks/wrapper/Wrapper.PathBase.html) archiveBase

The archive base specifies whether the unpacked wrapper distribution should be stored in the project or in the gradle user home dir.

Default:PathBase.GRADLE\_USER\_HOME

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

The path where the gradle distributions archive should be saved (i.e. the parent dir). The path is relative to the archive base directory.

Default:'wrapper/dists'

[**PathBase**](http://docs.google.com/javadoc/org/gradle/api/tasks/wrapper/Wrapper.PathBase.html) distributionBase

The distribution base specifies whether the unpacked wrapper distribution should be stored in the project or in the gradle user home dir.

Default:PathBase.GRADLE\_USER\_HOME

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

The path where the gradle distributions needed by the wrapper are unzipped. The path is relative to the distribution base directory

Default:'wrapper/dists'

[**DistributionType**](http://docs.google.com/javadoc/org/gradle/api/tasks/wrapper/Wrapper.DistributionType.html) distributionType

The type of the Gradle distribution to be used by the wrapper.

Default:DistributionType.BIN

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

The URL to download the gradle distribution from.

If not set, the download URL is the default for the specified [Wrapper.getGradleVersion()](http://docs.google.com/dsl/org.gradle.api.tasks.wrapper.Wrapper.html#org.gradle.api.tasks.wrapper.Wrapper:gradleVersion).

If [Wrapper.getGradleVersion()](http://docs.google.com/dsl/org.gradle.api.tasks.wrapper.Wrapper.html#org.gradle.api.tasks.wrapper.Wrapper:gradleVersion) is not set, will return null.

The wrapper downloads a certain distribution only once and caches it. If your distribution base is the project, you might submit the distribution to your version control system. That way no download is necessary at all. This might be in particular interesting, if you provide a custom gradle snapshot to the wrapper, because you don't need to provide a download server then.

Default:"http\://services.gradle.org/distributions/gradle-${gradleVersion}-bin.zip" (or "http\://services.gradle.org/distributions-snapshots/gradle-${gradleVersion}-bin.zip" for snapshot versions).

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

The gradle version for the wrapper.

Default:gradle.gradleVersion

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

The file to write the wrapper jar file to.

Default:*${project.projectDir}*/gradle/wrapper/gradle-wrapper.jar

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

The file to write the wrapper properties to.

Default:jarFile, replacing .jar with .properties

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

The file to write the wrapper script to.

Default:*${project.projectDir}*/gradlew

**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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