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.PluginAware.html#N109D3)
  + [Methods](http://docs.google.com/org.gradle.api.plugins.PluginAware.html#N109F3)

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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))
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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)
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* [ComponentSelection](http://docs.google.com/org.gradle.api.artifacts.ComponentSelection.html)
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* [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)
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* [IvyModuleDescriptorSpec](http://docs.google.com/org.gradle.api.publish.ivy.IvyModuleDescriptorSpec.html)
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* [MavenPomCiManagement](http://docs.google.com/org.gradle.api.publish.maven.MavenPomCiManagement.html)
* [MavenPomContributor](http://docs.google.com/org.gradle.api.publish.maven.MavenPomContributor.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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* [DependencyInsightReportTask](http://docs.google.com/org.gradle.api.tasks.diagnostics.DependencyInsightReportTask.html)
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* [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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* [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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* [CompareGradleBuilds](http://docs.google.com/org.gradle.api.plugins.buildcomparison.gradle.CompareGradleBuilds.html)
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* [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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* [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

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* [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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* [PrebuiltStaticLibraryBinary](http://docs.google.com/org.gradle.nativeplatform.PrebuiltStaticLibraryBinary.html)
* [NativeComponentSpec](http://docs.google.com/org.gradle.nativeplatform.NativeComponentSpec.html)
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* [GoogleTestTestSuiteSpec](http://docs.google.com/org.gradle.nativeplatform.test.googletest.GoogleTestTestSuiteSpec.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)

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PluginAware

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

| Known Subtypes: | | [Project](http://docs.google.com/dsl/org.gradle.api.Project.html) | | --- | | [Gradle](http://docs.google.com/dsl/org.gradle.api.invocation.Gradle.html) | | [Settings](http://docs.google.com/dsl/org.gradle.api.initialization.Settings.html) | |
| --- | --- | --- | --- | --- |

Something that can have plugins applied to it.

The [PluginAware.getPluginManager()](http://docs.google.com/dsl/org.gradle.api.plugins.PluginAware.html#org.gradle.api.plugins.PluginAware:pluginManager) can be used for applying and detecting whether plugins have been applied.

For more on writing and applying plugins, see [Plugin](http://docs.google.com/javadoc/org/gradle/api/Plugin.html).

Properties

| Property | Description |
| --- | --- |
| [pluginManager](http://docs.google.com/org.gradle.api.plugins.PluginAware.html#org.gradle.api.plugins.PluginAware:pluginManager) | Incubating  The plugin manager for this plugin aware object. |
| [plugins](http://docs.google.com/org.gradle.api.plugins.PluginAware.html#org.gradle.api.plugins.PluginAware:plugins) | The container of plugins that have been applied to this object. |

Methods

| Method | Description |
| --- | --- |
| [apply](http://docs.google.com/org.gradle.api.plugins.PluginAware.html#org.gradle.api.plugins.PluginAware:apply(groovy.lang.Closure))(closure) | Applies zero or more plugins or scripts. |
| [apply](http://docs.google.com/org.gradle.api.plugins.PluginAware.html#org.gradle.api.plugins.PluginAware:apply(java.util.Map))(options) | Applies a plugin or script, using the given options provided as a map. Does nothing if the plugin has already been applied. |
| [apply](http://docs.google.com/org.gradle.api.plugins.PluginAware.html#org.gradle.api.plugins.PluginAware:apply(org.gradle.api.Action))(action) | Applies zero or more plugins or scripts. |

Script blocks

No script blocks

Property details

[**PluginManager**](http://docs.google.com/dsl/org.gradle.api.plugins.PluginManager.html) pluginManager (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 plugin manager for this plugin aware object.

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

The container of plugins that have been applied to this object.

While not deprecated, it is preferred to use the methods of this interface or the [PluginAware.getPluginManager()](http://docs.google.com/dsl/org.gradle.api.plugins.PluginAware.html#org.gradle.api.plugins.PluginAware:pluginManager) than use the plugin container.

Use one of the 'apply' methods on this interface or on the [PluginAware.getPluginManager()](http://docs.google.com/dsl/org.gradle.api.plugins.PluginAware.html#org.gradle.api.plugins.PluginAware:pluginManager) to apply plugins instead of applying via the plugin container.

Use [PluginManager.hasPlugin(java.lang.String)](http://docs.google.com/dsl/org.gradle.api.plugins.PluginManager.html#org.gradle.api.plugins.PluginManager:hasPlugin(java.lang.String)) or similar to query for the application of plugins instead of doing so via the plugin container.

Method details

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

Applies zero or more plugins or scripts.

The given closure is used to configure an [ObjectConfigurationAction](http://docs.google.com/javadoc/org/gradle/api/plugins/ObjectConfigurationAction.html), which “builds” the plugin application.

This method differs from [PluginAware.apply(java.util.Map)](http://docs.google.com/dsl/org.gradle.api.plugins.PluginAware.html#org.gradle.api.plugins.PluginAware:apply(java.util.Map)) in that it allows methods of the configuration action to be invoked more than once.

void apply([**Map**](http://download.oracle.com/javase/8/docs/api/java/util/Map.html)<[**String**](http://download.oracle.com/javase/8/docs/api/java/lang/String.html), ?> options)

Applies a plugin or script, using the given options provided as a map. Does nothing if the plugin has already been applied.

The given map is applied as a series of method calls to a newly created [ObjectConfigurationAction](http://docs.google.com/javadoc/org/gradle/api/plugins/ObjectConfigurationAction.html). That is, each key in the map is expected to be the name of a method [ObjectConfigurationAction](http://docs.google.com/javadoc/org/gradle/api/plugins/ObjectConfigurationAction.html) and the value to be compatible arguments to that method.

The following options are available:

* from: A script to apply. Accepts any path supported by [Project.uri(java.lang.Object)](http://docs.google.com/dsl/org.gradle.api.Project.html#org.gradle.api.Project:uri(java.lang.Object)).
* plugin: The id or implementation class of the plugin to apply.
* to: The target delegate object or objects. The default is this plugin aware object. Use this to configure objects other than this object.

void apply([**Action**](http://docs.google.com/javadoc/org/gradle/api/Action.html)<? super [**ObjectConfigurationAction**](http://docs.google.com/javadoc/org/gradle/api/plugins/ObjectConfigurationAction.html)> action)

Applies zero or more plugins or scripts.

The given closure is used to configure an [ObjectConfigurationAction](http://docs.google.com/javadoc/org/gradle/api/plugins/ObjectConfigurationAction.html), which “builds” the plugin application.

This method differs from [PluginAware.apply(java.util.Map)](http://docs.google.com/dsl/org.gradle.api.plugins.PluginAware.html#org.gradle.api.plugins.PluginAware:apply(java.util.Map)) in that it allows methods of the configuration action to be invoked more than once.

**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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