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/)
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  + [Methods](http://docs.google.com/org.gradle.api.artifacts.ComponentSelectionRules.html#N1A9FC)

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

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* [Script](http://docs.google.com/org.gradle.api.Script.html)
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* [ComponentSelectionRules](http://docs.google.com/org.gradle.api.artifacts.ComponentSelectionRules.html)
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* [ExtraPropertiesExtension](http://docs.google.com/org.gradle.api.plugins.ExtraPropertiesExtension.html)
* [PluginDependenciesSpec](http://docs.google.com/org.gradle.plugin.use.PluginDependenciesSpec.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)
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* [EclipseClasspath](http://docs.google.com/org.gradle.plugins.ide.eclipse.model.EclipseClasspath.html)
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* [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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* [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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* [PrebuiltStaticLibraryBinary](http://docs.google.com/org.gradle.nativeplatform.PrebuiltStaticLibraryBinary.html)
* [NativeComponentSpec](http://docs.google.com/org.gradle.nativeplatform.NativeComponentSpec.html)
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* [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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* [NativeLibraryBinarySpec](http://docs.google.com/org.gradle.nativeplatform.NativeLibraryBinarySpec.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)
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* [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)
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ComponentSelectionRules

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

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

Represents a container for component selection rules. Rules can be applied as part of the resolutionStrategy of a configuration and individual components can be explicitly accepted or rejected by rule. Components that are neither accepted or rejected will be subject to the default version matching strategies.

configurations {  
 conf {  
 resolutionStrategy {  
 componentSelection {  
 all { ComponentSelection selection ->  
 if (selection.candidate.module == 'someModule' && selection.candidate.version == '1.1') {  
 selection.reject("bad version '1.1' for 'someModule'")  
 }  
 }  
 all { ComponentSelection selection, IvyModuleDescriptor descriptor, ComponentMetadata metadata ->  
 if (selection.candidate.module == 'someModule' && descriptor.branch == 'testing') {  
 if (metadata.status != 'milestone') {  
 selection.reject("only use milestones for someModule:testing")  
 }  
 }  
 }  
 withModule("org.sample:api") { ComponentSelection selection ->  
 if (selection.candidate.version == "1.1") {  
 selection.reject("known bad version")  
 }  
 }  
 }  
 }  
 }  
}

Properties

No properties

Methods

| Method | Description |
| --- | --- |
| [all](http://docs.google.com/org.gradle.api.artifacts.ComponentSelectionRules.html#org.gradle.api.artifacts.ComponentSelectionRules:all(groovy.lang.Closure))(closure) | Incubating  Adds a component selection rule that will apply to all resolved components. Each rule will receive a [ComponentSelection](http://docs.google.com/dsl/org.gradle.api.artifacts.ComponentSelection.html) object as an argument as well as any other arguments specified for the closure. Allowable closure arguments are [ComponentSelection](http://docs.google.com/dsl/org.gradle.api.artifacts.ComponentSelection.html) (required), [ComponentMetadata](http://docs.google.com/javadoc/org/gradle/api/artifacts/ComponentMetadata.html) and/or [IvyModuleDescriptor](http://docs.google.com/javadoc/org/gradle/api/artifacts/ivy/IvyModuleDescriptor.html). |
| [all](http://docs.google.com/org.gradle.api.artifacts.ComponentSelectionRules.html#org.gradle.api.artifacts.ComponentSelectionRules:all(java.lang.Object))(ruleSource) | Incubating  Adds a rule-source backed component selection rule that will apply to all resolved components. The ruleSource provides the rule as exactly one rule method annotated with [Mutate](http://docs.google.com/javadoc/org/gradle/model/Mutate.html). This rule method: |
| [all](http://docs.google.com/org.gradle.api.artifacts.ComponentSelectionRules.html#org.gradle.api.artifacts.ComponentSelectionRules:all(org.gradle.api.Action))(selectionAction) | Incubating  Adds a simple component selection rule that will apply to all resolved components. Each rule will receive a [ComponentSelection](http://docs.google.com/dsl/org.gradle.api.artifacts.ComponentSelection.html) object as an argument. |
| [withModule](http://docs.google.com/org.gradle.api.artifacts.ComponentSelectionRules.html#org.gradle.api.artifacts.ComponentSelectionRules:withModule(java.lang.Object,%20groovy.lang.Closure))(id, closure) | Incubating  Adds a component selection rule that will apply to the specified module. Each rule will receive a [ComponentSelection](http://docs.google.com/dsl/org.gradle.api.artifacts.ComponentSelection.html) object as an argument as well as any other arguments specified for the closure. Allowable closure arguments are [ComponentSelection](http://docs.google.com/dsl/org.gradle.api.artifacts.ComponentSelection.html) (required), [ComponentMetadata](http://docs.google.com/javadoc/org/gradle/api/artifacts/ComponentMetadata.html) and/or [IvyModuleDescriptor](http://docs.google.com/javadoc/org/gradle/api/artifacts/ivy/IvyModuleDescriptor.html). |
| [withModule](http://docs.google.com/org.gradle.api.artifacts.ComponentSelectionRules.html#org.gradle.api.artifacts.ComponentSelectionRules:withModule(java.lang.Object,%20java.lang.Object))(id, ruleSource) | Incubating  Adds a rule-source backed component selection rule that will apply to the specified module. The ruleSource provides the rule as exactly one rule method annotated with [Mutate](http://docs.google.com/javadoc/org/gradle/model/Mutate.html). This rule method: |
| [withModule](http://docs.google.com/org.gradle.api.artifacts.ComponentSelectionRules.html#org.gradle.api.artifacts.ComponentSelectionRules:withModule(java.lang.Object,%20org.gradle.api.Action))(id, selectionAction) | Incubating  Adds a component selection rule that will apply to the specified module. Each rule will receive a [ComponentSelection](http://docs.google.com/dsl/org.gradle.api.artifacts.ComponentSelection.html) object as an argument. |

Script blocks

No script blocks

Method details

[**ComponentSelectionRules**](http://docs.google.com/dsl/org.gradle.api.artifacts.ComponentSelectionRules.html) all([**Closure**](http://docs.groovy-lang.org/2.4.15/html/gapi/groovy/lang/Closure.html)<?> closure)

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

Adds a component selection rule that will apply to all resolved components. Each rule will receive a [ComponentSelection](http://docs.google.com/dsl/org.gradle.api.artifacts.ComponentSelection.html) object as an argument as well as any other arguments specified for the closure. Allowable closure arguments are [ComponentSelection](http://docs.google.com/dsl/org.gradle.api.artifacts.ComponentSelection.html) (required), [ComponentMetadata](http://docs.google.com/javadoc/org/gradle/api/artifacts/ComponentMetadata.html) and/or [IvyModuleDescriptor](http://docs.google.com/javadoc/org/gradle/api/artifacts/ivy/IvyModuleDescriptor.html).

[**ComponentSelectionRules**](http://docs.google.com/dsl/org.gradle.api.artifacts.ComponentSelectionRules.html) all([**Object**](http://download.oracle.com/javase/8/docs/api/java/lang/Object.html) ruleSource)

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

Adds a rule-source backed component selection rule that will apply to all resolved components. The ruleSource provides the rule as exactly one rule method annotated with [Mutate](http://docs.google.com/javadoc/org/gradle/model/Mutate.html). This rule method:

* must return void.
* must have [ComponentSelection](http://docs.google.com/dsl/org.gradle.api.artifacts.ComponentSelection.html) as the first parameter.
* may have additional parameters of type [ComponentMetadata](http://docs.google.com/javadoc/org/gradle/api/artifacts/ComponentMetadata.html) and/or [IvyModuleDescriptor](http://docs.google.com/javadoc/org/gradle/api/artifacts/ivy/IvyModuleDescriptor.html).

[**ComponentSelectionRules**](http://docs.google.com/dsl/org.gradle.api.artifacts.ComponentSelectionRules.html) all([**Action**](http://docs.google.com/javadoc/org/gradle/api/Action.html)<? super [**ComponentSelection**](http://docs.google.com/dsl/org.gradle.api.artifacts.ComponentSelection.html)> selectionAction)

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

Adds a simple component selection rule that will apply to all resolved components. Each rule will receive a [ComponentSelection](http://docs.google.com/dsl/org.gradle.api.artifacts.ComponentSelection.html) object as an argument.

[**ComponentSelectionRules**](http://docs.google.com/dsl/org.gradle.api.artifacts.ComponentSelectionRules.html) withModule([**Object**](http://download.oracle.com/javase/8/docs/api/java/lang/Object.html) id, [**Closure**](http://docs.groovy-lang.org/2.4.15/html/gapi/groovy/lang/Closure.html)<?> closure)

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

Adds a component selection rule that will apply to the specified module. Each rule will receive a [ComponentSelection](http://docs.google.com/dsl/org.gradle.api.artifacts.ComponentSelection.html) object as an argument as well as any other arguments specified for the closure. Allowable closure arguments are [ComponentSelection](http://docs.google.com/dsl/org.gradle.api.artifacts.ComponentSelection.html) (required), [ComponentMetadata](http://docs.google.com/javadoc/org/gradle/api/artifacts/ComponentMetadata.html) and/or [IvyModuleDescriptor](http://docs.google.com/javadoc/org/gradle/api/artifacts/ivy/IvyModuleDescriptor.html).

[**ComponentSelectionRules**](http://docs.google.com/dsl/org.gradle.api.artifacts.ComponentSelectionRules.html) withModule([**Object**](http://download.oracle.com/javase/8/docs/api/java/lang/Object.html) id, [**Object**](http://download.oracle.com/javase/8/docs/api/java/lang/Object.html) ruleSource)

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

Adds a rule-source backed component selection rule that will apply to the specified module. The ruleSource provides the rule as exactly one rule method annotated with [Mutate](http://docs.google.com/javadoc/org/gradle/model/Mutate.html). This rule method:

* must return void.
* must have [ComponentSelection](http://docs.google.com/dsl/org.gradle.api.artifacts.ComponentSelection.html) as the first parameter.
* may have additional parameters of type [ComponentMetadata](http://docs.google.com/javadoc/org/gradle/api/artifacts/ComponentMetadata.html) and/or [IvyModuleDescriptor](http://docs.google.com/javadoc/org/gradle/api/artifacts/ivy/IvyModuleDescriptor.html).

[**ComponentSelectionRules**](http://docs.google.com/dsl/org.gradle.api.artifacts.ComponentSelectionRules.html) withModule([**Object**](http://download.oracle.com/javase/8/docs/api/java/lang/Object.html) id, [**Action**](http://docs.google.com/javadoc/org/gradle/api/Action.html)<? super [**ComponentSelection**](http://docs.google.com/dsl/org.gradle.api.artifacts.ComponentSelection.html)> selectionAction)

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

Adds a component selection rule that will apply to the specified module. Each rule will receive a [ComponentSelection](http://docs.google.com/dsl/org.gradle.api.artifacts.ComponentSelection.html) object as an 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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