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.publish.ivy.IvyModuleDescriptorSpec.html#N1B44A)
  + [Methods](http://docs.google.com/org.gradle.api.publish.ivy.IvyModuleDescriptorSpec.html#N1B471)

### 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)
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* [IncrementalTaskInputs](http://docs.google.com/org.gradle.api.tasks.incremental.IncrementalTaskInputs.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)
* [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)
* [MavenPomLicenseSpec](http://docs.google.com/org.gradle.api.publish.maven.MavenPomLicenseSpec.html)
* [MavenPomMailingList](http://docs.google.com/org.gradle.api.publish.maven.MavenPomMailingList.html)
* [MavenPomMailingListSpec](http://docs.google.com/org.gradle.api.publish.maven.MavenPomMailingListSpec.html)
* [MavenPomOrganization](http://docs.google.com/org.gradle.api.publish.maven.MavenPomOrganization.html)
* [MavenPomRelocation](http://docs.google.com/org.gradle.api.publish.maven.MavenPomRelocation.html)
* [MavenPomScm](http://docs.google.com/org.gradle.api.publish.maven.MavenPomScm.html)

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* [ConfigurationContainer](http://docs.google.com/org.gradle.api.artifacts.ConfigurationContainer.html)
* [RepositoryHandler](http://docs.google.com/org.gradle.api.artifacts.dsl.RepositoryHandler.html)
* [DependencyHandler](http://docs.google.com/org.gradle.api.artifacts.dsl.DependencyHandler.html)
* [ArtifactHandler](http://docs.google.com/org.gradle.api.artifacts.dsl.ArtifactHandler.html)

### Build Cache types

* [BuildCacheConfiguration](http://docs.google.com/org.gradle.caching.configuration.BuildCacheConfiguration.html)
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* [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)
* [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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* [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)
* [CodeNarc](http://docs.google.com/org.gradle.api.plugins.quality.CodeNarc.html)
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* [HtmlDependencyReportTask](http://docs.google.com/org.gradle.api.reporting.dependencies.HtmlDependencyReportTask.html)
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* [Tar](http://docs.google.com/org.gradle.api.tasks.bundling.Tar.html)
* [AbstractTestTask](http://docs.google.com/org.gradle.api.tasks.testing.AbstractTestTask.html)
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* [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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* [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)

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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)
* [NativeBinarySpec](http://docs.google.com/org.gradle.nativeplatform.NativeBinarySpec.html)
* [NativeExecutableBinarySpec](http://docs.google.com/org.gradle.nativeplatform.NativeExecutableBinarySpec.html)
* [NativeLibraryBinarySpec](http://docs.google.com/org.gradle.nativeplatform.NativeLibraryBinarySpec.html)
* [SharedLibraryBinarySpec](http://docs.google.com/org.gradle.nativeplatform.SharedLibraryBinarySpec.html)
* [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)
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* [NativeBinary](http://docs.google.com/org.gradle.nativeplatform.NativeBinary.html)
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### 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)
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IvyModuleDescriptorSpec

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

The descriptor of any Ivy publication.

Corresponds to the [XML version of the Ivy Module Descriptor](http://ant.apache.org/ivy/history/latest-milestone/ivyfile.html).

The [IvyModuleDescriptorSpec.withXml(org.gradle.api.Action)](http://docs.google.com/dsl/org.gradle.api.publish.ivy.IvyModuleDescriptorSpec.html#org.gradle.api.publish.ivy.IvyModuleDescriptorSpec:withXml(org.gradle.api.Action)) method can be used to modify the descriptor after it has been generated according to the publication data. However, the preferred way to customize the project information to be published is to use the dedicated configuration methods exposed by this class, e.g. [IvyModuleDescriptorSpec.description(org.gradle.api.Action)](http://docs.google.com/dsl/org.gradle.api.publish.ivy.IvyModuleDescriptorSpec.html#org.gradle.api.publish.ivy.IvyModuleDescriptorSpec:description(org.gradle.api.Action)).

Properties

| Property | Description |
| --- | --- |
| [branch](http://docs.google.com/org.gradle.api.publish.ivy.IvyModuleDescriptorSpec.html#org.gradle.api.publish.ivy.IvyModuleDescriptorSpec:branch) | The branch for this publication |
| [extraInfo](http://docs.google.com/org.gradle.api.publish.ivy.IvyModuleDescriptorSpec.html#org.gradle.api.publish.ivy.IvyModuleDescriptorSpec:extraInfo) | The extra info element spec for this publication |
| [status](http://docs.google.com/org.gradle.api.publish.ivy.IvyModuleDescriptorSpec.html#org.gradle.api.publish.ivy.IvyModuleDescriptorSpec:status) | The status for this publication. |

Methods

| Method | Description |
| --- | --- |
| [author](http://docs.google.com/org.gradle.api.publish.ivy.IvyModuleDescriptorSpec.html#org.gradle.api.publish.ivy.IvyModuleDescriptorSpec:author(org.gradle.api.Action))(action) | Incubating  Creates, configures and adds an author to this publication. |
| [description](http://docs.google.com/org.gradle.api.publish.ivy.IvyModuleDescriptorSpec.html#org.gradle.api.publish.ivy.IvyModuleDescriptorSpec:description(org.gradle.api.Action))(action) | Incubating  Configures the description for this publication. |
| [extraInfo](http://docs.google.com/org.gradle.api.publish.ivy.IvyModuleDescriptorSpec.html#org.gradle.api.publish.ivy.IvyModuleDescriptorSpec:extraInfo(java.lang.String,%20java.lang.String,%20java.lang.String))(namespace, elementName, value) | Adds a new extra info element to the publication |
| [license](http://docs.google.com/org.gradle.api.publish.ivy.IvyModuleDescriptorSpec.html#org.gradle.api.publish.ivy.IvyModuleDescriptorSpec:license(org.gradle.api.Action))(action) | Incubating  Creates, configures and adds a license to this publication. |
| [withXml](http://docs.google.com/org.gradle.api.publish.ivy.IvyModuleDescriptorSpec.html#org.gradle.api.publish.ivy.IvyModuleDescriptorSpec:withXml(org.gradle.api.Action))(action) | Allow configuration of the descriptor, after it has been generated according to the input data. |

Script blocks

No script blocks

Property details

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

The branch for this publication

[**IvyExtraInfoSpec**](http://docs.google.com/javadoc/org/gradle/api/publish/ivy/IvyExtraInfoSpec.html) extraInfo (read-only)

The extra info element spec for this publication

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

The status for this publication.

Method details

void author([**Action**](http://docs.google.com/javadoc/org/gradle/api/Action.html)<? super [**IvyModuleDescriptorAuthor**](http://docs.google.com/dsl/org.gradle.api.publish.ivy.IvyModuleDescriptorAuthor.html)> action)

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

Creates, configures and adds an author to this publication.

void description([**Action**](http://docs.google.com/javadoc/org/gradle/api/Action.html)<? super [**IvyModuleDescriptorDescription**](http://docs.google.com/dsl/org.gradle.api.publish.ivy.IvyModuleDescriptorDescription.html)> action)

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

Configures the description for this publication.

void extraInfo([**String**](http://download.oracle.com/javase/8/docs/api/java/lang/String.html) namespace, [**String**](http://download.oracle.com/javase/8/docs/api/java/lang/String.html) elementName, [**String**](http://download.oracle.com/javase/8/docs/api/java/lang/String.html) value)

Adds a new extra info element to the publication

void license([**Action**](http://docs.google.com/javadoc/org/gradle/api/Action.html)<? super [**IvyModuleDescriptorLicense**](http://docs.google.com/dsl/org.gradle.api.publish.ivy.IvyModuleDescriptorLicense.html)> action)

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

Creates, configures and adds a license to this publication.

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

Allow configuration of the descriptor, after it has been generated according to the input data.

apply plugin: "ivy-publish"  
  
publishing {  
 publications {  
 ivy(IvyPublication) {  
 descriptor {  
 withXml {  
 asNode().dependencies.dependency.find { it.@org == "junit" }.@rev = "4.10"  
 }  
 }  
 }  
 }  
}

Note that due to Gradle's internal type conversion system, you can pass a Groovy closure to this method and it will be automatically converted to an Action.

Each action/closure passed to this method will be stored as a callback, and executed when the publication that this descriptor is attached to is published.

For details on the structure of the XML to be modified, see [the Ivy Module Descriptor reference](http://ant.apache.org/ivy/history/latest-milestone/ivyfile.html).

**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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