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.nativeplatform.SharedLibraryBinarySpec.html#N2B7F4)
  + [Methods](http://docs.google.com/org.gradle.nativeplatform.SharedLibraryBinarySpec.html#N2B959)

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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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* [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)
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* [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)
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* [MavenArtifact](http://docs.google.com/org.gradle.api.publish.maven.MavenArtifact.html)
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* [MavenPom](http://docs.google.com/org.gradle.api.publish.maven.MavenPom.html)
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* [MavenPomDeveloper](http://docs.google.com/org.gradle.api.publish.maven.MavenPomDeveloper.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)

### 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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* [DependencyReportTask](http://docs.google.com/org.gradle.api.tasks.diagnostics.DependencyReportTask.html)
* [DependencyInsightReportTask](http://docs.google.com/org.gradle.api.tasks.diagnostics.DependencyInsightReportTask.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)
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* [CompareGradleBuilds](http://docs.google.com/org.gradle.api.plugins.buildcomparison.gradle.CompareGradleBuilds.html)
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* [AbstractTestTask](http://docs.google.com/org.gradle.api.tasks.testing.AbstractTestTask.html)
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* [SingleFileReport](http://docs.google.com/org.gradle.api.reporting.SingleFileReport.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)
* [EclipseJdt](http://docs.google.com/org.gradle.plugins.ide.eclipse.model.EclipseJdt.html)
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* [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)
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* [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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* [PrebuiltLibrary](http://docs.google.com/org.gradle.nativeplatform.PrebuiltLibrary.html)
* [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)
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* [GoogleTestTestSuiteSpec](http://docs.google.com/org.gradle.nativeplatform.test.googletest.GoogleTestTestSuiteSpec.html)
* [NativeBinarySpec](http://docs.google.com/org.gradle.nativeplatform.NativeBinarySpec.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)
* [GoogleTestTestSuiteBinarySpec](http://docs.google.com/org.gradle.nativeplatform.test.googletest.GoogleTestTestSuiteBinarySpec.html)
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* [BuildType](http://docs.google.com/org.gradle.nativeplatform.BuildType.html)
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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)
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* [WindowsResourceCompile](http://docs.google.com/org.gradle.language.rc.tasks.WindowsResourceCompile.html)
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SharedLibraryBinarySpec

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| API Documentation: | [SharedLibraryBinarySpec](http://docs.google.com/javadoc/org/gradle/nativeplatform/SharedLibraryBinarySpec.html) |
| --- | --- |

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

A shared library binary built by Gradle for a native library.

Properties

| Property | Description |
| --- | --- |
| [assembler](http://docs.google.com/org.gradle.nativeplatform.SharedLibraryBinarySpec.html#org.gradle.nativeplatform.SharedLibraryBinarySpec:assembler) | Incubating  The configuration of the assembler used when compiling assembly sources this binary. Valid for [SharedLibraryBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.SharedLibraryBinarySpec.html), [StaticLibraryBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.StaticLibraryBinarySpec.html) and [NativeExecutableBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.NativeExecutableBinarySpec.html) when the 'assembler' plugin is applied. |
| [buildType](http://docs.google.com/org.gradle.nativeplatform.SharedLibraryBinarySpec.html#org.gradle.nativeplatform.SharedLibraryBinarySpec:buildType) | Incubating  The [BuildType](http://docs.google.com/dsl/org.gradle.nativeplatform.BuildType.html) used to construct this binary. |
| [buildable](http://docs.google.com/org.gradle.nativeplatform.SharedLibraryBinarySpec.html#org.gradle.nativeplatform.SharedLibraryBinarySpec:buildable) | Incubating  Can this binary be built in the current environment? |
| [cCompiler](http://docs.google.com/org.gradle.nativeplatform.SharedLibraryBinarySpec.html#org.gradle.nativeplatform.SharedLibraryBinarySpec:cCompiler) | Incubating  The configuration of the C compiler used when compiling C sources for this binary. Valid for [SharedLibraryBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.SharedLibraryBinarySpec.html), [StaticLibraryBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.StaticLibraryBinarySpec.html) and [NativeExecutableBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.NativeExecutableBinarySpec.html) when the 'c' plugin is applied. |
| [component](http://docs.google.com/org.gradle.nativeplatform.SharedLibraryBinarySpec.html#org.gradle.nativeplatform.SharedLibraryBinarySpec:component) | Incubating  The component that this binary was built from. |
| [cppCompiler](http://docs.google.com/org.gradle.nativeplatform.SharedLibraryBinarySpec.html#org.gradle.nativeplatform.SharedLibraryBinarySpec:cppCompiler) | Incubating  The configuration of the C++ compiler used when compiling C++ sources for this binary. Valid for [SharedLibraryBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.SharedLibraryBinarySpec.html), [StaticLibraryBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.StaticLibraryBinarySpec.html) and [NativeExecutableBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.NativeExecutableBinarySpec.html) when the 'cpp' plugin is applied. |
| [flavor](http://docs.google.com/org.gradle.nativeplatform.SharedLibraryBinarySpec.html#org.gradle.nativeplatform.SharedLibraryBinarySpec:flavor) | Incubating  The [Flavor](http://docs.google.com/dsl/org.gradle.nativeplatform.Flavor.html) that this binary was built with. |
| [inputs](http://docs.google.com/org.gradle.nativeplatform.SharedLibraryBinarySpec.html#org.gradle.nativeplatform.SharedLibraryBinarySpec:inputs) | Incubating  Returns all inputs of the binary. This includes source sets owned by the binary, and other source sets created elsewhere (e.g. inherited from the binary's component). |
| [libs](http://docs.google.com/org.gradle.nativeplatform.SharedLibraryBinarySpec.html#org.gradle.nativeplatform.SharedLibraryBinarySpec:libs) | Incubating  The libraries that should be linked into this binary. |
| [linker](http://docs.google.com/org.gradle.nativeplatform.SharedLibraryBinarySpec.html#org.gradle.nativeplatform.SharedLibraryBinarySpec:linker) | Incubating  The configuration of the linker used when linking this binary. Valid for [SharedLibraryBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.SharedLibraryBinarySpec.html) and [NativeExecutableBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.NativeExecutableBinarySpec.html). |
| [objcCompiler](http://docs.google.com/org.gradle.nativeplatform.SharedLibraryBinarySpec.html#org.gradle.nativeplatform.SharedLibraryBinarySpec:objcCompiler) | Incubating  The configuration of the Objective-C compiler used when compiling Objective-C sources for this binary. Valid for [SharedLibraryBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.SharedLibraryBinarySpec.html), [StaticLibraryBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.StaticLibraryBinarySpec.html) and [NativeExecutableBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.NativeExecutableBinarySpec.html) when the 'objective-c' plugin is applied. |
| [objcppCompiler](http://docs.google.com/org.gradle.nativeplatform.SharedLibraryBinarySpec.html#org.gradle.nativeplatform.SharedLibraryBinarySpec:objcppCompiler) | Incubating  The configuration of the Objective-C++ compiler used when compiling Objective-C++ sources for this binary. Valid for [SharedLibraryBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.SharedLibraryBinarySpec.html), [StaticLibraryBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.StaticLibraryBinarySpec.html) and [NativeExecutableBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.NativeExecutableBinarySpec.html) when the 'objective-cpp' plugin is applied. |
| [rcCompiler](http://docs.google.com/org.gradle.nativeplatform.SharedLibraryBinarySpec.html#org.gradle.nativeplatform.SharedLibraryBinarySpec:rcCompiler) | Incubating  The configuration of the Resource compiler used when compiling resources for this binary. Valid for [SharedLibraryBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.SharedLibraryBinarySpec.html), [StaticLibraryBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.StaticLibraryBinarySpec.html) and [NativeExecutableBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.NativeExecutableBinarySpec.html) when the 'windows-resources' plugin is applied. |
| [sharedLibraryFile](http://docs.google.com/org.gradle.nativeplatform.SharedLibraryBinarySpec.html#org.gradle.nativeplatform.SharedLibraryBinarySpec:sharedLibraryFile) | Incubating  The shared library file. |
| [sharedLibraryLinkFile](http://docs.google.com/org.gradle.nativeplatform.SharedLibraryBinarySpec.html#org.gradle.nativeplatform.SharedLibraryBinarySpec:sharedLibraryLinkFile) | Incubating  The shared library link file. |
| [sources](http://docs.google.com/org.gradle.nativeplatform.SharedLibraryBinarySpec.html#org.gradle.nativeplatform.SharedLibraryBinarySpec:sources) | Incubating  The sources owned by this binary. |
| [staticLibArchiver](http://docs.google.com/org.gradle.nativeplatform.SharedLibraryBinarySpec.html#org.gradle.nativeplatform.SharedLibraryBinarySpec:staticLibArchiver) | Incubating  The configuration of the static library archiver used when creating this binary. Valid for [StaticLibraryBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.StaticLibraryBinarySpec.html). |
| [targetPlatform](http://docs.google.com/org.gradle.nativeplatform.SharedLibraryBinarySpec.html#org.gradle.nativeplatform.SharedLibraryBinarySpec:targetPlatform) | Incubating  The [NativePlatform](http://docs.google.com/dsl/org.gradle.nativeplatform.platform.NativePlatform.html) that this binary is targeted to run on. |
| [tasks](http://docs.google.com/org.gradle.nativeplatform.SharedLibraryBinarySpec.html#org.gradle.nativeplatform.SharedLibraryBinarySpec:tasks) | Incubating  The set of tasks associated with this binary. |
| [toolChain](http://docs.google.com/org.gradle.nativeplatform.SharedLibraryBinarySpec.html#org.gradle.nativeplatform.SharedLibraryBinarySpec:toolChain) | Incubating  The [NativeToolChain](http://docs.google.com/javadoc/org/gradle/nativeplatform/toolchain/NativeToolChain.html) that will be used to build this binary. |

Methods

| Method | Description |
| --- | --- |
| [lib](http://docs.google.com/org.gradle.nativeplatform.SharedLibraryBinarySpec.html#org.gradle.nativeplatform.SharedLibraryBinarySpec:lib(java.lang.Object))(library) | Incubating  Adds a library as input to this binary. |

Script blocks

No script blocks

Property details

[**Tool**](http://docs.google.com/dsl/org.gradle.nativeplatform.Tool.html) assembler (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 configuration of the assembler used when compiling assembly sources this binary. Valid for [SharedLibraryBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.SharedLibraryBinarySpec.html), [StaticLibraryBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.StaticLibraryBinarySpec.html) and [NativeExecutableBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.NativeExecutableBinarySpec.html) when the 'assembler' plugin is applied.

[**BuildType**](http://docs.google.com/dsl/org.gradle.nativeplatform.BuildType.html) buildType (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 [BuildType](http://docs.google.com/dsl/org.gradle.nativeplatform.BuildType.html) used to construct this binary.

boolean buildable (read-only)

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

Can this binary be built in the current environment?

[**PreprocessingTool**](http://docs.google.com/dsl/org.gradle.nativeplatform.PreprocessingTool.html) cCompiler (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 configuration of the C compiler used when compiling C sources for this binary. Valid for [SharedLibraryBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.SharedLibraryBinarySpec.html), [StaticLibraryBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.StaticLibraryBinarySpec.html) and [NativeExecutableBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.NativeExecutableBinarySpec.html) when the 'c' plugin is applied.

[**NativeComponentSpec**](http://docs.google.com/dsl/org.gradle.nativeplatform.NativeComponentSpec.html) component (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 component that this binary was built from.

[**PreprocessingTool**](http://docs.google.com/dsl/org.gradle.nativeplatform.PreprocessingTool.html) cppCompiler (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 configuration of the C++ compiler used when compiling C++ sources for this binary. Valid for [SharedLibraryBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.SharedLibraryBinarySpec.html), [StaticLibraryBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.StaticLibraryBinarySpec.html) and [NativeExecutableBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.NativeExecutableBinarySpec.html) when the 'cpp' plugin is applied.

[**Flavor**](http://docs.google.com/dsl/org.gradle.nativeplatform.Flavor.html) flavor (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 [Flavor](http://docs.google.com/dsl/org.gradle.nativeplatform.Flavor.html) that this binary was built with.

[**DomainObjectSet**](http://docs.google.com/javadoc/org/gradle/api/DomainObjectSet.html)<[**LanguageSourceSet**](http://docs.google.com/dsl/org.gradle.language.base.LanguageSourceSet.html)> inputs (read-only)

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

Returns all inputs of the binary. This includes source sets owned by the binary, and other source sets created elsewhere (e.g. inherited from the binary's component).

[**Collection**](http://download.oracle.com/javase/8/docs/api/java/util/Collection.html)<[**NativeDependencySet**](http://docs.google.com/javadoc/org/gradle/nativeplatform/NativeDependencySet.html)> libs (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 libraries that should be linked into this binary.

[**Tool**](http://docs.google.com/dsl/org.gradle.nativeplatform.Tool.html) linker (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 configuration of the linker used when linking this binary. Valid for [SharedLibraryBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.SharedLibraryBinarySpec.html) and [NativeExecutableBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.NativeExecutableBinarySpec.html).

[**PreprocessingTool**](http://docs.google.com/dsl/org.gradle.nativeplatform.PreprocessingTool.html) objcCompiler (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 configuration of the Objective-C compiler used when compiling Objective-C sources for this binary. Valid for [SharedLibraryBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.SharedLibraryBinarySpec.html), [StaticLibraryBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.StaticLibraryBinarySpec.html) and [NativeExecutableBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.NativeExecutableBinarySpec.html) when the 'objective-c' plugin is applied.

[**PreprocessingTool**](http://docs.google.com/dsl/org.gradle.nativeplatform.PreprocessingTool.html) objcppCompiler (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 configuration of the Objective-C++ compiler used when compiling Objective-C++ sources for this binary. Valid for [SharedLibraryBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.SharedLibraryBinarySpec.html), [StaticLibraryBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.StaticLibraryBinarySpec.html) and [NativeExecutableBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.NativeExecutableBinarySpec.html) when the 'objective-cpp' plugin is applied.

[**PreprocessingTool**](http://docs.google.com/dsl/org.gradle.nativeplatform.PreprocessingTool.html) rcCompiler (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 configuration of the Resource compiler used when compiling resources for this binary. Valid for [SharedLibraryBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.SharedLibraryBinarySpec.html), [StaticLibraryBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.StaticLibraryBinarySpec.html) and [NativeExecutableBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.NativeExecutableBinarySpec.html) when the 'windows-resources' plugin is applied.

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

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

The shared library file.

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

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

The shared library link file.

[**ModelMap**](http://docs.google.com/javadoc/org/gradle/model/ModelMap.html)<[**LanguageSourceSet**](http://docs.google.com/dsl/org.gradle.language.base.LanguageSourceSet.html)> sources (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 sources owned by this binary.

[**Tool**](http://docs.google.com/dsl/org.gradle.nativeplatform.Tool.html) staticLibArchiver (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 configuration of the static library archiver used when creating this binary. Valid for [StaticLibraryBinarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.StaticLibraryBinarySpec.html).

[**NativePlatform**](http://docs.google.com/dsl/org.gradle.nativeplatform.platform.NativePlatform.html) targetPlatform (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 [NativePlatform](http://docs.google.com/dsl/org.gradle.nativeplatform.platform.NativePlatform.html) that this binary is targeted to run on.

[**BinaryTasksCollection**](http://docs.google.com/javadoc/org/gradle/platform/base/BinaryTasksCollection.html) tasks (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 set of tasks associated with this binary.

[**NativeToolChain**](http://docs.google.com/javadoc/org/gradle/nativeplatform/toolchain/NativeToolChain.html) toolChain (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 [NativeToolChain](http://docs.google.com/javadoc/org/gradle/nativeplatform/toolchain/NativeToolChain.html) that will be used to build this binary.

Method details

void lib([**Object**](http://download.oracle.com/javase/8/docs/api/java/lang/Object.html) library)

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

Adds a library as input to this binary.

This method accepts the following types:

* A [NativeLibrarySpec](http://docs.google.com/dsl/org.gradle.nativeplatform.NativeLibrarySpec.html)
* A [NativeDependencySet](http://docs.google.com/javadoc/org/gradle/nativeplatform/NativeDependencySet.html)
* A [Map](http://download.oracle.com/javase/8/docs/api/java/util/Map.html) containing the library selector.

The Map notation supports the following String attributes:

* project: the path to the project containing the library (optional, defaults to current project)
* library: the name of the library (required)
* linkage: the library linkage required ['shared'/'static'] (optional, defaults to 'shared')

**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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