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.Exec.html#N224EB)
  + [Methods](http://docs.google.com/org.gradle.api.tasks.Exec.html#N22566)

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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))
* [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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* [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)
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* [IncrementalTaskInputs](http://docs.google.com/org.gradle.api.tasks.incremental.IncrementalTaskInputs.html)
* [Configuration](http://docs.google.com/org.gradle.api.artifacts.Configuration.html)
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* [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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* [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)
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* [MavenPomOrganization](http://docs.google.com/org.gradle.api.publish.maven.MavenPomOrganization.html)
* [MavenPomRelocation](http://docs.google.com/org.gradle.api.publish.maven.MavenPomRelocation.html)
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* [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)

### Input Normalization types

* [InputNormalizationHandler](http://docs.google.com/org.gradle.normalization.InputNormalizationHandler.html)
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### Help Task types

* [TaskReportTask](http://docs.google.com/org.gradle.api.tasks.diagnostics.TaskReportTask.html)
* [ProjectReportTask](http://docs.google.com/org.gradle.api.tasks.diagnostics.ProjectReportTask.html)
* [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)
* [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)
* [CompareGradleBuilds](http://docs.google.com/org.gradle.api.plugins.buildcomparison.gradle.CompareGradleBuilds.html)
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* [HtmlDependencyReportTask](http://docs.google.com/org.gradle.api.reporting.dependencies.HtmlDependencyReportTask.html)
* [JacocoReport](http://docs.google.com/org.gradle.testing.jacoco.tasks.JacocoReport.html)
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* [Tar](http://docs.google.com/org.gradle.api.tasks.bundling.Tar.html)
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* [Test](http://docs.google.com/org.gradle.api.tasks.testing.Test.html)
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* [Upload](http://docs.google.com/org.gradle.api.tasks.Upload.html)
* [War](http://docs.google.com/org.gradle.api.tasks.bundling.War.html)
* [Wrapper](http://docs.google.com/org.gradle.api.tasks.wrapper.Wrapper.html)
* [WriteProperties](http://docs.google.com/org.gradle.api.tasks.WriteProperties.html)
* [Zip](http://docs.google.com/org.gradle.api.tasks.bundling.Zip.html)

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* [CustomizableHtmlReport](http://docs.google.com/org.gradle.api.reporting.CustomizableHtmlReport.html)
* [SingleFileReport](http://docs.google.com/org.gradle.api.reporting.SingleFileReport.html)
* [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)

### Eclipse/IDEA model types

* [EclipseModel](http://docs.google.com/org.gradle.plugins.ide.eclipse.model.EclipseModel.html)
* [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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* [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)

### Native software types

* [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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* [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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* [ObjectiveCppSourceSet](http://docs.google.com/org.gradle.language.objectivecpp.ObjectiveCppSourceSet.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)

### Native component task types

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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)
* [WindowsResourceCompile](http://docs.google.com/org.gradle.language.rc.tasks.WindowsResourceCompile.html)
* [LinkExecutable](http://docs.google.com/org.gradle.nativeplatform.tasks.LinkExecutable.html)
* [LinkSharedLibrary](http://docs.google.com/org.gradle.nativeplatform.tasks.LinkSharedLibrary.html)
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Exec

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

Executes a command line process. Example:

task stopTomcat(type:Exec) {  
 workingDir '../tomcat/bin'  
  
 //on windows:  
 commandLine 'cmd', '/c', 'stop.bat'  
  
 //on linux  
 commandLine './stop.sh'  
  
 //store the output instead of printing to the console:  
 standardOutput = new ByteArrayOutputStream()  
  
 //extension method stopTomcat.output() can be used to obtain the output:  
 ext.output = {  
 return standardOutput.toString()  
 }  
}

Properties

| Property | Description |
| --- | --- |
| [args](http://docs.google.com/org.gradle.api.tasks.Exec.html#org.gradle.api.tasks.Exec:args) | The arguments for the command to be executed. Defaults to an empty list. |
| [argumentProviders](http://docs.google.com/org.gradle.api.tasks.Exec.html#org.gradle.api.tasks.Exec:argumentProviders) | Argument providers for the application. |
| [commandLine](http://docs.google.com/org.gradle.api.tasks.Exec.html#org.gradle.api.tasks.Exec:commandLine) | The full command line, including the executable plus its arguments. |
| [environment](http://docs.google.com/org.gradle.api.tasks.Exec.html#org.gradle.api.tasks.Exec:environment) | The environment variables to use for the process. Defaults to the environment of this process. |
| [errorOutput](http://docs.google.com/org.gradle.api.tasks.Exec.html#org.gradle.api.tasks.Exec:errorOutput) | The output stream to consume standard error from the process executing the command. Default to System.err. |
| [execResult](http://docs.google.com/org.gradle.api.tasks.Exec.html#org.gradle.api.tasks.Exec:execResult) | The result for the command run by this task. Returns null if this task has not been executed yet. |
| [executable](http://docs.google.com/org.gradle.api.tasks.Exec.html#org.gradle.api.tasks.Exec:executable) | The name of the executable to use. |
| [ignoreExitValue](http://docs.google.com/org.gradle.api.tasks.Exec.html#org.gradle.api.tasks.Exec:ignoreExitValue) | Tells whether a non-zero exit value is ignored, or an exception thrown. Defaults to false. |
| [standardInput](http://docs.google.com/org.gradle.api.tasks.Exec.html#org.gradle.api.tasks.Exec:standardInput) | The standard input stream for the process executing the command. The stream is closed after the process completes. Defaults to an empty stream. |
| [standardOutput](http://docs.google.com/org.gradle.api.tasks.Exec.html#org.gradle.api.tasks.Exec:standardOutput) | The output stream to consume standard output from the process executing the command. Defaults to System.out. |
| [workingDir](http://docs.google.com/org.gradle.api.tasks.Exec.html#org.gradle.api.tasks.Exec:workingDir) | The working directory for the process. Defaults to the project directory. |

Methods

| Method | Description |
| --- | --- |
| [args](http://docs.google.com/org.gradle.api.tasks.Exec.html#org.gradle.api.tasks.Exec:args(java.lang.Iterable))(args) | Adds arguments for the command to be executed. |
| [args](http://docs.google.com/org.gradle.api.tasks.Exec.html#org.gradle.api.tasks.Exec:args(java.lang.Object%5B%5D))(args) | Adds arguments for the command to be executed. |
| [commandLine](http://docs.google.com/org.gradle.api.tasks.Exec.html#org.gradle.api.tasks.Exec:commandLine(java.lang.Iterable))(args) | Sets the full command line, including the executable to be executed plus its arguments. |
| [commandLine](http://docs.google.com/org.gradle.api.tasks.Exec.html#org.gradle.api.tasks.Exec:commandLine(java.lang.Object%5B%5D))(arguments) | Sets the full command line, including the executable to be executed plus its arguments. |
| [environment](http://docs.google.com/org.gradle.api.tasks.Exec.html#org.gradle.api.tasks.Exec:environment(java.lang.String,%20java.lang.Object))(name, value) | Adds an environment variable to the environment for this process. |
| [environment](http://docs.google.com/org.gradle.api.tasks.Exec.html#org.gradle.api.tasks.Exec:environment(java.util.Map))(environmentVariables) | Adds some environment variables to the environment for this process. |
| [executable](http://docs.google.com/org.gradle.api.tasks.Exec.html#org.gradle.api.tasks.Exec:executable(java.lang.Object))(executable) | Sets the name of the executable to use. |
| [workingDir](http://docs.google.com/org.gradle.api.tasks.Exec.html#org.gradle.api.tasks.Exec:workingDir(java.lang.Object))(dir) | Sets the working directory for the process. The supplied argument is evaluated as per [Project.file(java.lang.Object)](http://docs.google.com/dsl/org.gradle.api.Project.html#org.gradle.api.Project:file(java.lang.Object)). |

Script blocks

No script blocks

Property details

[**List**](http://download.oracle.com/javase/8/docs/api/java/util/List.html)<[**String**](http://download.oracle.com/javase/8/docs/api/java/lang/String.html)> args

The arguments for the command to be executed. Defaults to an empty list.

[**List**](http://download.oracle.com/javase/8/docs/api/java/util/List.html)<[**CommandLineArgumentProvider**](http://docs.google.com/javadoc/org/gradle/process/CommandLineArgumentProvider.html)> argumentProviders (read-only)

Argument providers for the application.

[**List**](http://download.oracle.com/javase/8/docs/api/java/util/List.html)<[**String**](http://download.oracle.com/javase/8/docs/api/java/lang/String.html)> commandLine

The full command line, including the executable plus its arguments.

[**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), [**Object**](http://download.oracle.com/javase/8/docs/api/java/lang/Object.html)> environment

The environment variables to use for the process. Defaults to the environment of this process.

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

The output stream to consume standard error from the process executing the command. Default to System.err.

[**ExecResult**](http://docs.google.com/javadoc/org/gradle/process/ExecResult.html) execResult (read-only)

The result for the command run by this task. Returns null if this task has not been executed yet.

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

The name of the executable to use.

boolean ignoreExitValue

Tells whether a non-zero exit value is ignored, or an exception thrown. Defaults to false.

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

The standard input stream for the process executing the command. The stream is closed after the process completes. Defaults to an empty stream.

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

The output stream to consume standard output from the process executing the command. Defaults to System.out.

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

The working directory for the process. Defaults to the project directory.

Method details

T args([**Iterable**](http://download.oracle.com/javase/8/docs/api/java/lang/Iterable.html)<?> args)

Adds arguments for the command to be executed.

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

Adds arguments for the command to be executed.

T commandLine([**Iterable**](http://download.oracle.com/javase/8/docs/api/java/lang/Iterable.html)<?> args)

Sets the full command line, including the executable to be executed plus its arguments.

T commandLine([**Object**](http://download.oracle.com/javase/8/docs/api/java/lang/Object.html)... arguments)

Sets the full command line, including the executable to be executed plus its arguments.

T environment([**String**](http://download.oracle.com/javase/8/docs/api/java/lang/String.html) name, [**Object**](http://download.oracle.com/javase/8/docs/api/java/lang/Object.html) value)

Adds an environment variable to the environment for this process.

T environment([**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), ?> environmentVariables)

Adds some environment variables to the environment for this process.

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

Sets the name of the executable to use.

T workingDir([**Object**](http://download.oracle.com/javase/8/docs/api/java/lang/Object.html) dir)

Sets the working directory for the process. The supplied argument is evaluated as per [Project.file(java.lang.Object)](http://docs.google.com/dsl/org.gradle.api.Project.html#org.gradle.api.Project:file(java.lang.Object)).

**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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