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.jvm.application.tasks.CreateStartScripts.html#N1F245)

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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))
* [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))
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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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* [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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* [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)
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* [PluginManagementSpec](http://docs.google.com/org.gradle.plugin.management.PluginManagementSpec.html)
* [ResourceHandler](http://docs.google.com/org.gradle.api.resources.ResourceHandler.html)
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* [IvyArtifactSet](http://docs.google.com/org.gradle.api.publish.ivy.IvyArtifactSet.html)
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* [GenerateEclipseJdt](http://docs.google.com/org.gradle.plugins.ide.eclipse.GenerateEclipseJdt.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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* [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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CreateStartScripts

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

Creates start scripts for launching JVM applications.

Example:

task createStartScripts(type: CreateStartScripts) {  
 outputDir = file('build/sample')  
 mainClassName = 'org.gradle.test.Main'  
 applicationName = 'myApp'  
 classpath = files('path/to/some.jar')  
}

Note: the Gradle "application" plugin adds a pre-configured task of this type named "startScripts".

The task generates separate scripts targeted at Microsoft Windows environments and UNIX-like environments (e.g. Linux, macOS). The actual generation is implemented by the [CreateStartScripts.getWindowsStartScriptGenerator()](http://docs.google.com/dsl/org.gradle.jvm.application.tasks.CreateStartScripts.html#org.gradle.jvm.application.tasks.CreateStartScripts:windowsStartScriptGenerator) and [CreateStartScripts.getUnixStartScriptGenerator()](http://docs.google.com/dsl/org.gradle.jvm.application.tasks.CreateStartScripts.html#org.gradle.jvm.application.tasks.CreateStartScripts:unixStartScriptGenerator) properties, of type [ScriptGenerator](http://docs.google.com/javadoc/org/gradle/jvm/application/scripts/ScriptGenerator.html).

Example:

task createStartScripts(type: CreateStartScripts) {  
 unixStartScriptGenerator = new CustomUnixStartScriptGenerator()  
 windowsStartScriptGenerator = new CustomWindowsStartScriptGenerator()  
}  
  
class CustomUnixStartScriptGenerator implements ScriptGenerator {  
 void generateScript(JavaAppStartScriptGenerationDetails details, Writer destination) {  
 // implementation  
 }  
}  
  
class CustomWindowsStartScriptGenerator implements ScriptGenerator {  
 void generateScript(JavaAppStartScriptGenerationDetails details, Writer destination) {  
 // implementation  
 }  
}

The default generators are of the type [TemplateBasedScriptGenerator](http://docs.google.com/javadoc/org/gradle/jvm/application/scripts/TemplateBasedScriptGenerator.html), with default templates. This templates can be changed via the [TemplateBasedScriptGenerator.setTemplate(org.gradle.api.resources.TextResource)](http://docs.google.com/javadoc/org/gradle/jvm/application/scripts/TemplateBasedScriptGenerator.html#setTemplate-org.gradle.api.resources.TextResource-) method.

The default implementations used by this task use [Groovy's SimpleTemplateEngine](http://docs.groovy-lang.org/latest/html/documentation/template-engines.html#_simpletemplateengine) to parse the template, with the following variables available:

* applicationName
* optsEnvironmentVar
* exitEnvironmentVar
* mainClassName
* executableDir
* defaultJvmOpts
* appNameSystemProperty
* appHomeRelativePath
* classpath

Example:

task createStartScripts(type: CreateStartScripts) {  
 unixStartScriptGenerator.template = resources.text.fromFile('customUnixStartScript.txt')  
 windowsStartScriptGenerator.template = resources.text.fromFile('customWindowsStartScript.txt')  
}

Properties

| Property | Description |
| --- | --- |
| [applicationName](http://docs.google.com/org.gradle.jvm.application.tasks.CreateStartScripts.html#org.gradle.jvm.application.tasks.CreateStartScripts:applicationName) | The application's name. |
| [classpath](http://docs.google.com/org.gradle.jvm.application.tasks.CreateStartScripts.html#org.gradle.jvm.application.tasks.CreateStartScripts:classpath) | The class path for the application. |
| [defaultJvmOpts](http://docs.google.com/org.gradle.jvm.application.tasks.CreateStartScripts.html#org.gradle.jvm.application.tasks.CreateStartScripts:defaultJvmOpts) | The application's default JVM options. Defaults to an empty list. |
| [executableDir](http://docs.google.com/org.gradle.jvm.application.tasks.CreateStartScripts.html#org.gradle.jvm.application.tasks.CreateStartScripts:executableDir) | Incubating  The directory to write the scripts into in the distribution. |
| [mainClassName](http://docs.google.com/org.gradle.jvm.application.tasks.CreateStartScripts.html#org.gradle.jvm.application.tasks.CreateStartScripts:mainClassName) | The main classname used to start the Java application. |
| [optsEnvironmentVar](http://docs.google.com/org.gradle.jvm.application.tasks.CreateStartScripts.html#org.gradle.jvm.application.tasks.CreateStartScripts:optsEnvironmentVar) | The environment variable to use to provide additional options to the JVM. |
| [outputDir](http://docs.google.com/org.gradle.jvm.application.tasks.CreateStartScripts.html#org.gradle.jvm.application.tasks.CreateStartScripts:outputDir) | The directory to write the scripts into. |
| [unixStartScriptGenerator](http://docs.google.com/org.gradle.jvm.application.tasks.CreateStartScripts.html#org.gradle.jvm.application.tasks.CreateStartScripts:unixStartScriptGenerator) | Incubating  The UNIX-like start script generator. |
| [windowsStartScriptGenerator](http://docs.google.com/org.gradle.jvm.application.tasks.CreateStartScripts.html#org.gradle.jvm.application.tasks.CreateStartScripts:windowsStartScriptGenerator) | Incubating  The Windows start script generator. |

Methods

No methods

Script blocks

No script blocks

Property details

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

The application's name.

[**FileCollection**](http://docs.google.com/javadoc/org/gradle/api/file/FileCollection.html) classpath

The class path for the application.

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

The application's default JVM options. Defaults to an empty list.

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

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

The directory to write the scripts into in the distribution.

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

The main classname used to start the Java application.

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

The environment variable to use to provide additional options to the JVM.

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

The directory to write the scripts into.

[**ScriptGenerator**](http://docs.google.com/javadoc/org/gradle/jvm/application/scripts/ScriptGenerator.html) unixStartScriptGenerator

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

The UNIX-like start script generator.

Defaults to an implementation of [TemplateBasedScriptGenerator](http://docs.google.com/javadoc/org/gradle/jvm/application/scripts/TemplateBasedScriptGenerator.html).

[**ScriptGenerator**](http://docs.google.com/javadoc/org/gradle/jvm/application/scripts/ScriptGenerator.html) windowsStartScriptGenerator

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

The Windows start script generator.

Defaults to an implementation of [TemplateBasedScriptGenerator](http://docs.google.com/javadoc/org/gradle/jvm/application/scripts/TemplateBasedScriptGenerator.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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