## Run HelloWorld using Gradle（使用Gradle运行HelloWorld）

Similar to Maven, we can declare the required JavaFX modules in the build.gradle file. However, for Gradle we need to apply the JavaFX gradle plugin:

plugins {

id 'application'

id 'org.openjfx.javafxplugin' version '0.0.7'

}

Next, we add the required modules. For instance, if we only need the javafx.controls module, we will include:

javafx {

version = "12.0.1"

modules = [ 'javafx.controls' ]

}

You can specify a distinct version of JavaFX. For example, if you want to stick to JavaFX 11.0.2:

javafx {

version = "11.0.2"

modules = [ 'javafx.controls' ]

}

Here is a [build.gradle](https://github.com/openjfx/samples/blob/master/HelloFX/Gradle/hellofx/build.gradle" \t "https://openjfx.io/openjfx-docs/_blank) file which shows how to achieve this, taken from this [sample](https://github.com/openjfx/samples/blob/master/HelloFX/Gradle" \t "https://openjfx.io/openjfx-docs/_blank).

Run the application (e.g. use [HelloFX.java](https://github.com/openjfx/samples/blob/master/HelloFX/Gradle/hellofx/src/main/java/HelloFX.java" \t "https://openjfx.io/openjfx-docs/_blank) from the given sample) using:

* [Linux/Mac](https://openjfx.io/openjfx-docs/" \l "nix-env)

./gradlew run

* [Windows](https://openjfx.io/openjfx-docs/" \l "win-env)

gradlew run

gradlew run

****Note:****Make sure to use gradle version 4.10+ and set the JAVA\_HOME environment variable to JDK 12.

与Maven类似，我们在build.gradle文件中声明使用JavaFX的gradle插件，则所需的JavaFX相关的模块会自动下载：

plugins {

id 'application'

id 'org.openjfx.javafxplugin' version '0.0.7'

}

接下来，我们添加相关模块。举个例子，假如我们只需要javafx.controls模块，则代码如下：

javafx {

version = "12.0.1"

modules = [ 'javafx.controls' ]

}

你可以指定不同版本的JavaFX。比如你需要JavaFX 11.0.2版本，代码如下：

javafx {

version = "11.0.2"

modules = [ 'javafx.controls' ]

}

可以参考[sample](https://github.com/openjfx/samples/blob/master/HelloFX/Gradle" \t "https://openjfx.io/openjfx-docs/_blank)例子项目中的[build.gradle](https://github.com/openjfx/samples/blob/master/HelloFX/Gradle/hellofx/build.gradle" \t "https://openjfx.io/openjfx-docs/_blank)文件。

要执行[sample](https://github.com/openjfx/samples/blob/master/HelloFX/Gradle" \t "https://openjfx.io/openjfx-docs/_blank)例子项目，命令如下：

* [Linux/Mac](https://openjfx.io/openjfx-docs/" \l "nix-env)

./gradlew run

* [Windows](https://openjfx.io/openjfx-docs/" \l "win-env)

gradlew run

****注意：****请确保你的gradle版本是 4.10以上的，并且 JAVA\_HOME环境变量指向JDK 12。