## Run HelloWorld using Maven（使用Maven运行HellowWorld）

If you want to develop JavaFX applications using Maven, you don't have to download the JavaFX SDK. Just specify the modules and the versions you want in the pom.xml, the build system will download the required modules, including the native libraries for your platform.

Here is a [pom.xml](https://github.com/openjfx/samples/blob/master/HelloFX/Maven/hellofx/pom.xml" \t "https://openjfx.io/openjfx-docs/_blank) file which shows how to achieve this, included in this [sample](https://github.com/openjfx/samples/blob/master/HelloFX/Maven" \t "https://openjfx.io/openjfx-docs/_blank).

The pom uses the [JavaFX Maven plugin](https://github.com/openjfx/javafx-maven-plugin" \t "https://openjfx.io/openjfx-docs/_blank):

<plugins>

<plugin>

<groupId>org.openjfx</groupId>

<artifactId>javafx-maven-plugin</artifactId>

<version>0.0.2</version>

<configuration>

<mainClass>HelloFX</mainClass>

</configuration>

</plugin>

</plugins>

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

mvn clean javafx:run

****Note:****Make sure to set the JAVA\_HOME environment variable to JDK 12.

如果你想使用Maven来开发JavaFX应用程序，你不用下载JavaFX SDK。只要在pom.xml中指定相关的模块和版本号，Maven会自动下载所需的模块包括你平台相关的本地库文件。

下面是一个[pom.xml](https://github.com/openjfx/samples/blob/master/HelloFX/Maven/hellofx/pom.xml" \t "https://openjfx.io/openjfx-docs/_blank)文件，作为例子展示如何集成JavaFX模块相关文件到[sample](https://github.com/openjfx/samples/blob/master/HelloFX/Maven" \t "https://openjfx.io/openjfx-docs/_blank)这个项目中的：

[pom.xml](https://github.com/openjfx/samples/blob/master/HelloFX/Maven/hellofx/pom.xml" \t "https://openjfx.io/openjfx-docs/_blank)文件中使用了[JavaFX Maven plugin](https://github.com/openjfx/javafx-maven-plugin" \t "https://openjfx.io/openjfx-docs/_blank)：

<plugins>

<plugin>

<groupId>org.openjfx</groupId>

<artifactId>javafx-maven-plugin</artifactId>

<version>0.0.2</version>

<configuration>

<mainClass>HelloFX</mainClass>

</configuration>

</plugin>

</plugins>

运行前面提到的[HelloFX.java](https://github.com/openjfx/samples/blob/master/HelloFX/Maven/hellofx/src/main/java/HelloFX.java" \t "https://openjfx.io/openjfx-docs/_blank)程序，命令如下：

mvn clean javafx:run

****注意：****保证你的JAVA\_HOME环境变量是指向JDK12的。