

TUTORIAL!! HOW TO GET JAVAFX INSTALLED ON VSCODE

With Maven Dependencies

Chapter 1 Download Javafx





First Download the JavaFX SDK

Search in a browser "JavaFX", and it should be the first <u>link</u> https://openjfx.io/



Scroll down to the dowload

Click on the link and choose the SDK download according to your device

For mac i recommend the x64 download

JavaFX

JavaFX is an open source, next generation client application platform for desktop, mobile and embedded systems built on Java. It is a collaborative effort by many individuals and companies with the goal of producing a modern, efficient, and fully featured toolkit for developing rich client applications.



	Operating System		Architecture		Туре	
~	[any]	~	[any]	~	[any]	~

Supported Platforms

G GLUON

JavaFX version

Include older versions

23.0.1

macOS

macOS

23.0.1 aarch64 SDK Download [\$H4256] 23.0.1 aarch64 jmods Download [\$H4256] 23.0.1 x64 SDK Download [\$H4256] 23.0.1 x64 jmods Download [\$H4256] 23.0.1 x64 jmods Download [\$H4256]
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23.0.1 x64 jmods Download [SHA256]
23.0.1 Javadoc Download (SHA256)

Chapter 2 Downloading Scene Builder







Scroll down to the most

Recent Release and download according to your platform

For mac download the Mac OS X dmg

Products - Dev

Scene Builder	Ma
Scene Builder	Ma
Scene Builder	Linu
Scene Builder	Linu
Scene Builder Kit info	Jar

License: Scene Builder 23 is licensed under the BSD license.

Download Scene Builder 24.0.0 Release Candidate

The latest release candidate version of Scene Builder is 24.0.0-RC1.

Product	Platform	Download
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This is a Release Candidate (RC) version, which means this software is in the final stages of testing but may still contain bugs, incomplete features, or functionality that could change in the official release. Some features might be unstable or not work as expected, and there could be unknown issues impacting performance, security, or compatibility.

Chapter 3 Downloading java on vscode

JDK Development Kit 23.0.1 downloads

macOS Windows

Linux

JDK 23 binaries are free to use in production and free to redistribute, at no cost, under the Oracle No-Fee Terms and Conditions (NFTC). JDK 23 will receive updates under these terms, until March 2025, when it will be superseded by JDK 24.

Product/file description	File size	Download
ARM64 Compressed Archive	226.30 MB	https://download.oracle.com/java/23/latest/jdk-23_macos-aarch64_bin.tar.gz (sha256)
ARM64 DMG Installer	225.79 MB	https://download.oracle.com/java/23/latest/jdk-23_macos-aarch64_bin.dmg (sha256)
x64 Compressed Archive	228.87 MB	https://download.oracle.com/java/23/latest/jdk-23_macos-x64_bin.tar.gz (sha256)
x64 DMG Installer	228.39 MB	https://download.oracle.com/java/23/latest/jdk-23_macos-x64_bin.dmg (sha256)

In your browser search "Java JDK" then click on the oracle website Then download the JDK according to

your platform

Mac OS X 🛛 🚯 Mac FAQ

0	macOS x64 (10.7.3 and above) filesize: 90.20 MB	Instructions	After installing Java, you may need to restart your browser in order to enable Java in your browser.	
0	macOS ARM64 ((12 and above)) filesize: 86.31 MB	Instructions		

Oracle Java 8 requires administrator privileges for installation. » More information

Installing the JRE

Java runtime environment (JRE) is needed to run java In a browser search "Java JRE" and click on the java link. Download the JRE according to your device

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Maven for Java	© 248ms	• • • • • • • • • • • • • • • • • • •	Reload Required Update 🔽 🜓 🔅		Formatters Snippets
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Indexing completed.	Java: I	Ready			

In the VSCode side bar click on the extension tab

Search for "Java" then download the **Extension Pack for Java** by Microsoft

Chapter 4 Making a new project



🗙 Welcome 🛛 🗙 OPEN EDITORS C+ 🖻 💩 🗙 🗙 Welcome You have not vet opened a folder. Open Folder Opening a folder will close all currently open editors. To keep them open, add a folder instead. You can clone a repository locally. **Clone Repository** To learn more about how to use Git and source control in VS Code read our You can also open a Java project folder, or create a new Java project by clicking the button below. Create Java Project

Open a new window on VScode

On the side bar click "Create Java Project" then choose "JavaFX"



TIMELINE A PROJECTS

Visual Studio Code

Editing evolved

Start

- 🗁 Open...

Recent

text ~/testJavaFX

javaGui copy ~/CS50 three ~/testJavaFX text ~/testJavaFX

Walkthroughs



No build tools Work with source code directly without any build tools Maven create from archetype Provided by 🕂 Maven for Java Gradle Spring Boot Provided by 🗄 Spring Initializr Java Support Quarkus Provided by 🕂 Quarkus MicroProfile Provided by 🗄 MicroProfile Starter าร JavaFX create from archetype Provided by 🗄 Maven for Ja create from archetype d with VS Code vour editor, learn the basics, and start Micronaut 💡 Learn the Fundamentals Recent 🍎 Getting Started with Spring Boot in ... Updated javaGui copy ~/CS50 three ~/testJavaFX C Get Started with Java Development Updated

Make sure when naming your project group id = period artifact id = name

Choose a file for your project Then confirm the information by clicking enter

🗙 Welcome X E Release Notes: 196.2 NO FOLDER OPENED

ou have not vet opened a folde

Open Folde

Opening a folder will close all current pen editors. To keep them open, add

You can clone a repository locally

To learn more about how to use Git and source control in VS Code read or

You can open a folder containing a .NE n, or create a new .NET

Create .NET Project

or create a new Java project by clicking the button below.

Create Java Project

OUTLINE

TIMELINE

Show release notes after an update Update 1.96.1: The update addresses these issues and enables the GitHub Copilot Free plan Update 1.96.2: The update addresses these issue

November 2024 (version 1.96)

Welcome to the November 2024 release of Visual Studio Code. There are many updates in this version that we hope you'll like, some of the key highlights include:

Bluebook

DEBUG CONSOLE

- ot Free Use Copilot for free with the GitHub Copilot Free plan
- Overtype mode Switch between overwrite or insert mode in the editor Add imports on paste - Automatically add missing TS/JS imports when pasting code
- Test coverage Quickly filter which code is covered by a specific test
- · Move views Easily move views between the Primary and Secondary Side Ba
- Terminal ligatures Use ligatures in the terminal
- · Extension allow list Configure which extensions can be installed in your organization
- Debug with Copilot Use copilot-debug terminal command to start a debugging sess
- Chat context Add symbols and folders as context Chat and Edits PROBLEMS OUTPUT TERMINAL PORTS
- Executing task: "/Users/alaynalee/Library/Application Support/Code/User/globalStorage/pleiades.java-extension-pack-jdk/maven/latest/bin/mvn" org.apache.maven.plugins:maven-archetype-plugin:3.1.2:generate -DarchetypeArtifactI d="javafx-archetype-fxml" -DarchetypeGroupId="org.openjfx" -DarchetypeVersion="RELEASE" -DgroupId="seven" -Dartifa ctId="alayna" INFO] Scanning for projects.. Building Mayen Stub Project (No POM) (default-cli) > generate-sources @ stand
 - rpe:3.1.2:generate (default-cli) < generate-sources @ standal</pre>
- --- archetype:3.1.2:generate (default-cli) @ standalone-pom ---Generating project in Interactive mode Archetype repository not defined. Using the one from [org.openjfx:javafx-archetype-fxml:0.0.6] found in cat
- F0] Using property: groupId = seven F0] Using property: artifactId = alayna ine value for property 'version' 1

twice

Once your project is done building you can click on the notification to open it or find it in your files

Chapter 5 Adding the maven dependencies

>Maven

Maven: Add a dependency... Explorer: Focus on Maven View Maven dependency explorer Maven: Add a favorite... Maven: Execute Commands... Maven: Favorites... Maven: History... Maven: New Module... Maven: Switch to flat view Maven: Switch to hierarchical view Maven: Update Maven Archetype Catalog Spring Initializr: Create a Maven Project...

recently used 🍪 other commands

Open the command pallet and search "Maven"



Then choose **Add a dependency**



Search **javafx** then add the dependency with **org.openjfx**

javafx|

- Diavafx org.netbeans.cluster
- D javafx org.openjfx
- Diavafx io.github.duoduobabi
- **b** javafx org.glavo.hmcl.openjfx
- Diavafx org.jfxcore
- Diavafx cn.labzen
- **javafx** com.10duke.client.sso
- **javafx** ca.dsolutions
- Diavafx io.thorntail
- D javafx org.arakhne.afc.advanced
- javafx com.cedarsoft.commons
- D javafx com.cedarsoft
- Diavafx org.wildfly.swarm
- **javafx** org.diirt.javafx
- Diavafx org.codehaus.mojo.archetypes
- D javafx-all org.diirt.javafx

terrei de biviles ierref

Add the MySQL dependency too!

Then add the rest of the dependencies listed below

D javafx-fxml org.openjfx

D javafx-base org.openjfx

D javafx-controls org.openjfx

D javafx-graphics org.openjfx

D javafx-web org.openjfx

D javafx-media org.openjfx

mysql-connector-java mysql

Make sure you add all dependencies to the module info file.

EXPLORER ····	J module-info.java $ imes$ J SecondaryController.java
> OPEN EDITORS	src > main > java > 🤳 module-info.java
 > OPEN EDITORS > AL > src > main > java > sectionNine J App.java J PrimaryCont J SecondaryC J module-info.java > resources/section9 \$ cloud.fxml # styles.css 	<pre>src > main > java > J module-info.java 1 module sectionNine { 2 requires transitive javafx.controls; 3 requires javafx.fxml; 4 //requires transitive javsfx.graphics; 5 6 opens sectionNine to javafx.fxml; 7 exports sectionNine; 8 } 9</pre>
 test/Java target pom.xml 	

This file specifies other modules your program needs. JavaFX controls and JavaFX FXML are the basic modules you need to use most things on scene builder.



Chapter 6 Common Problems



Change the version to the most recent JDK

Common problems to fix!

If you get a version error... Go into the command pallet and search for this

Java: Configure Java Ru

Compiler		Classpath	Use 'release' option for cross-compliation
J⊡ Maven J⊡ Formatter ⊡	OK: JavaSE-23 Java [1.8.431.10] Java SE 21.0.4 [21.0.4] JavaSE-1.8	Compiler Maven	Bytecode version:
	JavaSE-11 JavaSE-17 JavaSE-21 JavaSE-23	Formatter 🖸	Class File Generation
	 ▷ Find a local JDK □ Download a new JDK /Users/alaynalee/Library/Application Support/Code/ 		Generate debugging information
	User/globalStorage/pleiades.java-extension-pack-j dk/java/latest		Store information about method parameters



Also change the compiler to the most recent version

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(Java 9 and later)			
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	23		

You have successfully installed JavaFX!!



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