

JavaFX

JavaFX 2.1 Installation Guide

Release 2.1

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Installation instructions by operating system for JavaFX 2.1

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Part I

JavaFX 2.1 Installation Guide

Choose the installation instructions according to platform:

- [JavaFX Installation for Microsoft Windows](#)
- [JavaFX SDK 2.1 Installation for Mac OS X](#)
- For installation of the JavaFX Developer Preview for Linux, see the Developer Preview Download page at <http://www.oracle.com/technetwork/java/javafx/downloads/devpreview-1429449.html>

For supported platforms and browsers, see the JavaFX system requirements at http://docs.oracle.com/javafx/2/system_requirements_2-1/jfxpub-system_requirements_2-1.htm

JavaFX Installation for Microsoft Windows

This page provides information about the installing the JavaFX 2.1 SDK on Microsoft Windows.

See the following topics:

- ["Download the JavaFX Installer that Meets Your Needs"](#)
- ["JavaFX Installation Instructions"](#)
- ["Installing NetBeans IDE"](#)
- ["Viewing and Using JavaFX Samples"](#)
- ["JavaFX Scene Builder"](#)
- ["JavaFX SDK File Structure"](#)
- ["Uninstalling JavaFX"](#)
- ["Troubleshooting"](#)

Download the JavaFX Installer that Meets Your Needs

There are various ways that you can install JavaFX 2.1

- You can install JDK 7 update 4 and JavaFX 2.1 SDK (including Runtimes) with a single installer. Get the JDK 7u4 installer at <http://www.oracle.com/technetwork/java/javase/downloads/>
- If you want to continue to run JDK 6 on Windows, you can download and install the JavaFX 2.1 SDK installer independently from JDK 7u4. The JavaFX SDK installer also installs the JavaFX 2.1 Runtime. Download the JavaFX 2.1 SDK from the JavaFX Downloads page at <http://www.oracle.com/technetwork/java/javafx/downloads/>
- If you only want to run JavaFX 2.1 applications but do not plan to develop them, download the JavaFX 2.1 Runtime installer from the JavaFX Downloads page

Note: There is a 32-bit or 64-bit JavaFX available for whichever JDK you have installed. If you have both the 32-bit and 64-bit JDK installed, download the 64-bit JavaFX SDK.

Whichever installer you download, it is important that you check the system requirements at the following locations:

- JavaFX 2.1 system requirements:
http://docs.oracle.com/javafx/2/system_requirements_2-1/jfxpub-system_requirements_2-1.htm
- JDK 7 system requirements:
<http://docs.oracle.com/javase/7/docs/webnotes/install/>

JavaFX Installation Instructions

Note: Only one version of the JavaFX SDK and JavaFX Runtime can be installed at a time. The JavaFX Runtime installer will automatically uninstall previous versions.

Double-click the .exe file of whichever installer you downloaded. If you use a bundled installer, the installers run in the following order:

- JDK
- JavaFX SDK
- JavaFX Runtime

Tip: If you plan to use NetBeans IDE, consider installing the JavaFX SDK to the default location. It will require less configuration. For more information, see [Setting Up NetBeans IDE With JavaFX](http://netbeans.org/kb/docs/java/javafx-setup.html) at <http://netbeans.org/kb/docs/java/javafx-setup.html>

The default installation directory for the JavaFX 2.1 SDK is C:\Program Files\Oracle\JavaFX 2.1 SDK. See [JavaFX SDK File Structure](#) for the directories and contents.

The default installation directory for the JavaFX 2.1 Runtime is C:\Program Files\Oracle\JavaFX 2.1 Runtime.

For more information about JDK installation and system requirements, see the JDK Installation Guide at <http://docs.oracle.com/javase/7/docs/webnotes/install/>

Installing NetBeans IDE

The JavaFX 2.1 SDK requires a minimum of NetBeans IDE 7.1.2. Download the NetBeans IDE from the [JavaFX Downloads](#) page.

For information about configuring NetBeans IDE to run with JavaFX, see [Setting Up NetBeans IDE With JavaFX](#) at <http://netbeans.org/kb/docs/java/javafx-setup.html>

Viewing and Using JavaFX Samples

Sample JavaFX applications are available to download as a zip file from the [JavaFX Downloads](#) page.

Extract the files to your file system, then open `samples_readme.txt` for more information.

JavaFX Scene Builder

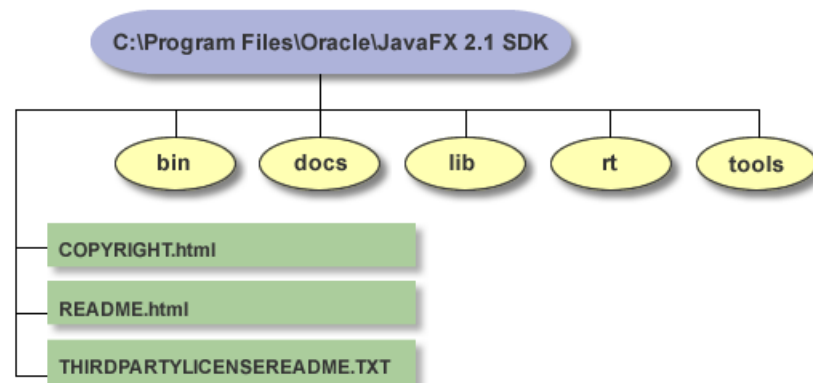
JavaFX Scene Builder is a design tool for the JavaFX platform. You can download it from the following location:

<http://www.oracle.com/technetwork/java/javafx/downloads/devpreview-1429449.html>

JavaFX SDK File Structure

By default, the JavaFX SDK software is installed at C:\Program Files\Oracle\JavaFX 2.1 SDK. It contains the directories and content shown in Figure 1–1.

Figure 1–1 Directories and Content of the JavaFX SDK



bin/

Contains the JavaFX Packager tool for compiling, packaging, signing, and deploying JavaFX applications.

docs/

Contains the API documentation. For online versions of the API documentation and JavaFX tutorials, see

<http://docs.oracle.com/javafx/>

lib/

Contains the following JavaFX utility jar files:

ant-javafx.jar: Ant tasks for packaging and deployment.

javafx-doclet.jar: A doclet for producing customized and nicely formatted documentation for the users of your JavaFX library.

javafx-mx.jar: A file used for debugging.

rt/

Contains a private, embedded copy of the JavaFX Runtime installation, used by JavaFX SDK development tools. You would typically point to the installed JavaFX Runtime instead, whose default location is C:\Program Files\Oracle\JavaFX 2.1 Runtime

tools/

This directory contains the same set of JAR files as the lib directory and is maintained for backward compatibility with NetBeans 7.1.1.

COPYRIGHT.html

Copyright information for the JavaFX software and documentation.

README.html

Provides a link to the README index page for the Java SE, JavaFX SDK, JavaFX Runtime.

THIRDPARTYLICENSEREADME.txt

License information for third-party software included in the JavaFX SDK.

Uninstalling JavaFX

To uninstall JavaFX, use the standard Windows Add/Remove Programs utility in Control Panel. You must uninstall the JavaFX SDK and Runtime separately.

Troubleshooting

Here are some tips for working around problems that are sometimes seen during or following an installation.

1. If you installed the 64-bit version, you may have problems with applications that run on 32 bits. Note that the 32-bit version is compatible with both 32-bit and 64-bit systems, but the reverse is not true. See the JavaFX Supported System Configurations at <http://www.oracle.com/technetwork/java/javafx/downloads/supportedconfigurations-1506746.html>
2. Verify that you have a supported environment. See the JavaFX System Requirements document at http://docs.oracle.com/javafx/2/system_requirements_2-1/jfxpub-system_requirements_2-1.htm
3. Check the release notes for known issues at http://docs.oracle.com/javafx/2/release_notes_2-1/jfxpub-release_notes_2-1.htm
4. Ensure that the JavaFX Runtime is installed. Go to Control Panel, choose **Add/Remove Programs**, and verify that JavaFX 2.1.0 appears in the list of installed applications.
5. Try running the JavaFX pre-built samples. See [Viewing and Using JavaFX Samples](#).
6. Check your JDK/JRE installation running a standard Java applet, Web Start application, or JAR application.
7. If you still have unresolved issues, go to the JavaFX Forum at <http://forums.oracle.com/forums/forum.jspa?forumID=1385>

JavaFX SDK 2.1 Installation for Mac OS X

This page provides information about the installing the JavaFX 2.1 SDK on Mac OS X.

Note: JavaFX applications can only be packaged on Mac as desktop applications and cannot be deployed on Mac, because there is no standalone JRE or JavaFX Runtime.

The JavaFX 2.1 SDK for Mac is installed as part of JDK 7 update 4 for Mac. See the JDK 7 update 4 platform requirements and installation instructions, see "JDK 7 Installation for Mac OSX" at

<http://docs.oracle.com/javase/7/docs/webnotes/install/>

The JDK 7u4 installer is available at

<http://www.oracle.com/technetwork/java/javase/downloads/>

Note: The JavaFX 2.1 SDK system requirements for Mac are more restrictive than those for the JDK. Before you download the installer, check the JavaFX system requirements at

http://docs.oracle.com/javafx/2/system_requirements_2-1/jfxpub-system_requirements_2-1.htm

Installed JDK/SDK Directory Structure on Mac

The JDK is installed in the following location on Mac:
/Library/Java/JavaVirtualMachines/1.7.0.jdk

The JavaFX SDK follows the directory structure of the JDK and is co-located with it, so each JDK subdirectory contains both JDK and JavaFX SDK files, as appropriate.

For example, in the following location:

/Library/Java/JavaVirtualMachines/1.7.0.jdk/Contents/Home/bin

you can find JDK utilities, such as java and javac, as well as javafxpackager from the JavaFX SDK.

