

JavaFX

JavaFX 2.2.3 Installation Guide

Release 2.2.3

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Installation instructions by operating system for JavaFX 2.2.3

Primary Author: JavaFX Documentation Team

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Part I

JavaFX 2.2.3 Installation Guide

This document describes installation procedures for JavaFX 2.2.3.

Choose the installation instructions according to platform:

- [JavaFX 2.2.3 Installation for Microsoft Windows](#)
- [JavaFX 2.2.3 Installation for Linux](#)
- [JavaFX 2.2.3 Installation for Mac OS X](#)

Then check out what to do next:

- [I Installed JavaFX, Now What?](#)

For supported platforms and browsers, see the JavaFX 2.2.3 system requirements.

JavaFX 2.2.3 Installation for Microsoft Windows

This page provides information about the installing JavaFX 2.2.3 on Microsoft Windows, either bundled with JDK 7 or standalone for use with JDK 6.

See the following topics:

- ["Download the JavaFX Installer that Meets Your Needs"](#)
- ["Install Java SE 7 Bundled with JavaFX \(Recommended\)"](#)
- ["Install Standalone JavaFX for Java SE 6"](#)
- ["After Installation"](#)
- ["Uninstalling the Standalone JavaFX SDK and Runtime"](#)

Download the JavaFX Installer that Meets Your Needs

How you install JavaFX depends on whether you can install Java SE 7u9 (recommended), or need to use JDK 6.

Note: If you use Java SE 6, you will not be able to take advantage of all the latest JavaFX features, such as the ability to package self-contained applications, as described in the JavaFX Deployment Guide.

Install Java SE 7 Bundled with JavaFX (Recommended)

Java SE 7u9 includes JavaFX 2.2.3. Go to the following location for download and installation information:

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

Note: The Java SE 7u9 installer does not uninstall previous standalone versions of JavaFX. If you wish to uninstall previous standalone versions, see [Uninstalling the Standalone JavaFX SDK and Runtime](#).

The JDK 7u9 installer installs the following components, in this order:

- Java Development Kit (JDK), including the JavaFX SDK
- Java Runtime Environment (JRE), including JavaFX Runtime

After installation, the JavaFX SDK and Runtime are integrated into the JDK and JRE directory structure. This is a change from releases of JavaFX prior to Java SE 7u6/JavaFX 2.2, which

were installed in directories independent from the JDK. For example, in this release, any file that was formerly in the \bin directory of the JavaFX SDK is now in the \bin directory of the JDK. For more information, see "JDK and JRE File Structure" at <http://docs.oracle.com/javase/7/docs/technotes/tools/windows/jdkfiles.html>

Install Standalone JavaFX for Java SE 6

If you need to continue to use Java SE 6, you can install a standalone version of JavaFX 2.2.3.

Note: The standalone JavaFX installer uninstalls any previous version of JavaFX SDK and JavaFX Runtime.

To download the installer, go to the following location and follow the link under the section "JavaFX 2.2.3 for Java SE 6":

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

Note: There is a 32-bit or 64-bit JavaFX available. Use the bit version that matches that of your Java SE installation.

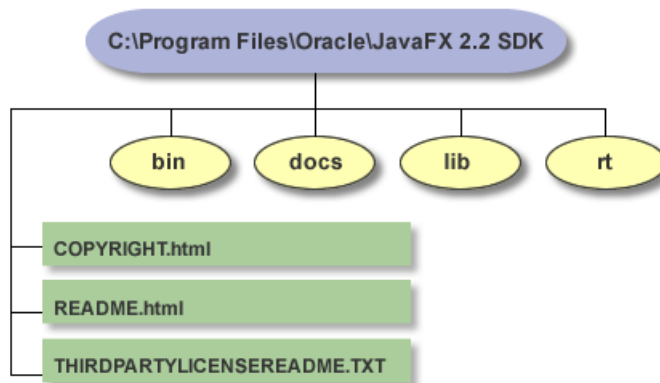
The default installation directories for standalone JavaFX installations are as follows:

- n JavaFX SDK: C:\Program Files\Oracle\JavaFX 2.2 SDK.
- n JavaFX Runtime: C:\Program Files\Oracle\JavaFX 2.2 Runtime

Standalone JavaFX SDK File Structure

The standalone JavaFX 2.2.3 SDK contains the directories and content shown in [Figure 1–1](#).

Figure 1–1 File Structure of the Standalone JavaFX 2.2.3 SDK on Windows



bin/

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

docs/

Contains the API documentation. For the online version 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.

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.

After Installation

See [I Installed JavaFX, Now What?](#)

Uninstalling the Standalone JavaFX SDK and Runtime

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

JavaFX 2.2.3 Installation for Linux

This page provides information about installing JavaFX 2.2.3 on Linux platforms.

Note: Web Start applications and Web applications (plugin) features are currently not supported on the Linux platform.

Installing JavaFX

JavaFX 2.2.3 for Linux is bundled with the Java SE 7u9 installer. For the Java SE 7u9 platform requirements and installation instructions, see "JDK 7 Installation for Linux" at <http://docs.oracle.com/javase/7/docs/webnotes/install/>

The Java SE 7u9 installer is available at <http://www.oracle.com/technetwork/java/javase/downloads/>

After Installation

See [I Installed JavaFX, Now What?](#)

JavaFX 2.2.3 Installation for Mac OS X

This page provides information about the installing JavaFX 2.2.3 on Mac OS X.

JavaFX 2.2.3 is installed as part of JDK 7u9. See the Java SE 7 platform requirements and installation instructions, see "JDK 7 Installation for Mac OSX" at <http://docs.oracle.com/javase/7/docs/webnotes/install/>

The JDK 7u9 installer is available at <http://www.oracle.com/technetwork/java/javase/downloads/>

Installed JDK/SDK Directory Structure on Mac

The JDK is installed in the following location on Mac:
`/Library/Java/JavaVirtualMachines/1.7.x.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.x.jdk/Contents/Home/bin`
you can find JDK utilities, such as `java` and `javac`, as well as `javafxpackager` from the JavaFX SDK.

After Installation

See [I Installed JavaFX, Now What?](#)

I Installed JavaFX, Now What?

Congratulations! You installed JavaFX, either as part of the JDK 7 cobundle or as a standalone installation for JDK 6. Now what?

This page contains the following sections.

- ["Download and Run JavaFX Samples"](#)
- ["Install NetBeans IDE"](#)
- ["Check Out the JavaFX Tutorials and Documentation"](#)
- ["Try Out JavaFX Scene Builder"](#)
- ["Troubleshooting"](#)

Download and Run JavaFX Samples

Download the JavaFX sample zip file and try running one of the pre-built JAR files. Then open the NetBeans IDE projects and look at the source code.

1. Go to the Java SE download page at <http://www.oracle.com/technetwork/java/javase/downloads/>
2. Scroll to the section "JDK 7 and JavaFX Demos and Samples," then click **Download**.
3. Scroll to the section "JavaFX Demos and Samples Downloads," then click the link to download the samples for your operating system.
4. Extract the files to your file system, then open the `samples_readme.txt` for more information about how to run the samples and set up the source projects in the NetBeans IDE.

Install NetBeans IDE

NetBeans IDE 7.2 is recommended for JavaFX 2.2.3. Download it at <http://netbeans.org/downloads/>

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>

Check Out the JavaFX Tutorials and Documentation

Learn JavaFX by working through the Getting Started tutorials. Then check out the other documentation available at <http://docs.oracle.com/javafx/>

Try Out JavaFX Scene Builder

JavaFX Scene Builder is a design tool for the JavaFX platform. You can download it from the JavaFX download page at one of the following locations, depending on your operating system:

- Windows:
<http://www.oracle.com/technetwork/java/javafx/downloads/>
- Developer Preview for Linux and Mac OS:
<http://www.oracle.com/technetwork/java/javafx/downloads/devpreview-1429449.html>

Troubleshooting

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

Test Both JavaFX and Java Applications

If the JavaFX samples do not run, try running Java samples to isolate the problem. You can download Java samples from the Java SE download page at <http://www.oracle.com/technetwork/java/javase/downloads/>

Check the Supported Environments

Check the system requirements to verify that you have a supported environment. Consult the appropriate system requirements document:

- Java SE 7u9/JavaFX 2.2.3 system requirements
- Standalone JavaFX 2.2.3 system requirements

Check Whether Your Installation is 64-Bit or 32-Bit

With Windows or Linux installations, if you installed a 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>

Mac requires a 64-bit installation.

Check the Release Notes

Check the JavaFX 2.2.3 release notes for known issues.

Ask a Question on the JavaFX Forum

If you still have unresolved issues, go to the JavaFX Forum at <https://forums.oracle.com/forums/forum.jspa?forumID=1385>

File a Bug or Feature Request

The JavaFX bug database is at
<http://javafx-jira.kenai.com>

See also How to file a bug or submit a feature request on the OTN discussion forums.