

JavaFX

JavaFX 2.2 Installation Guide

Release 2.2

E20474-06

August 2012

Installation instructions by operating system for JavaFX 2.2

JavaFX/JavaFX 2.2 Installation Guide

E20474-06

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Part I

JavaFX 2.2 Installation Guide

This document describes installation procedures for JavaFX 2.2. Oracle recommends that you install JDK 7u6 to upgrade to JavaFX 2.2 SDK. Please refer to JavaFX installation instructions in this guide.

Choose the installation instructions according to platform:

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

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

Note: Sample JavaFX applications are available to download as a zip file at http://download.oracle.com/otn-pub/java/javafx/2.2.0-b21/javafx_samples-2_2_0-windows.zip

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

JavaFX Installation for Microsoft Windows

This page provides information about the installing the JavaFX 2.2 SDK on Microsoft Windows.

See the following topics:

- ["Download the JavaFX Installer that Meets Your Needs"](#)
- ["Installing NetBeans IDE"](#)
- ["JavaFX Scene Builder"](#)
- ["Uninstalling the Standalone JavaFX SDK and Runtime"](#)
- ["Troubleshooting"](#)

Download the JavaFX Installer that Meets Your Needs

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

Note: You must upgrade to Java SE 7 Update 6 to take advantage of some JavaFX 2.2 features, such as the ability to package self-contained applications, as described in the JavaFX Deployment Guide.

Installing JavaFX 2.2 with Java SE 7 Update 6 (Recommended)

Java SE 7 Update 6 includes JavaFX 2.2. Go to the following location for download and installation information:

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

Note: The Java SE 7u6 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 7u6 installer installs the following components, in this order:

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

After installation, the JavaFX SDK and Runtime are integrated into the JDK and JRE directory structure. This is a change from previous versions of JavaFX, which were installed in directories independent from the JDK. The Java SE 7u6/JavaFX 2.2 installation is a true cobundle. For example, 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>

Installing 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.

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 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.

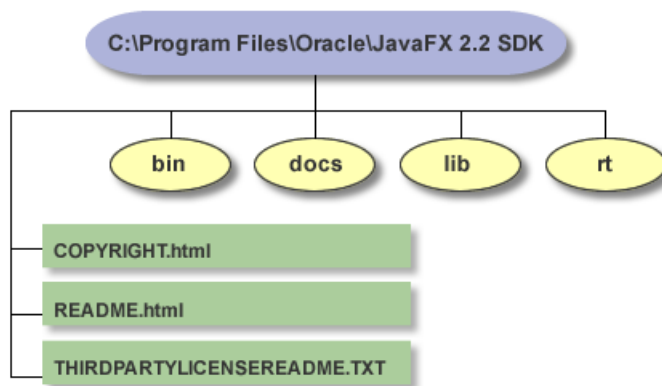
The default installation directories for standalone JavaFX installations are as follows:

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

Standalone JavaFX SDK File Structure

The standalone JavaFX 2.2 SDK contains the directories and content shown in [Figure 1-1](#).

Figure 1-1 File Structure of the Standalone JavaFX 2.2 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, whose default location is C:\Program Files\Oracle\JavaFX 2.1 Runtime

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.

Installing NetBeans IDE

NetBeans IDE 7.2 is recommended for JavaFX 2.2. 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>

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/index.html>

Uninstalling the Standalone JavaFX SDK and Runtime

To uninstall the current and previous versions of 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.

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. Check the system requirements to verify that you have a supported environment. Consult the appropriate system requirements document:
 - n Java SE 7:
<http://docs.oracle.com/javase/7/docs/webnotes/install/windows/windows-system-requirements.html>
 - n Standalone JavaFX 2.2:
http://docs.oracle.com/javafx/2/system_requirements_2-2/jfxpub-system_requirements_2-2.htm
3. Check the JavaFX release notes for known issues at
http://docs.oracle.com/javafx/2/release_notes_2-2/jfxpub-release_notes_2-2.htm
4. Download the JavaFX sample zip file and try running one of the pre-built JAR files. The zip file is available at
http://download.oracle.com/otn-pub/java/javafx/2.2.0-b21/javafx_samples-2_2_0-windows.zip
5. If you still have unresolved issues, go to the JavaFX Forum at
<https://forums.oracle.com/forums/forum.jspa?forumID=1385>

JavaFX Installation for Linux

This page provides information about the installation procedures of the JavaFX 2.2 SDK on Linux platforms.

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

2.1 Installing JavaFX

The JavaFX 2.2 SDK for Linux is installed as part of JDK 7 update 6 for Linux. See the JDK 7 update 6 platform requirements and installation instructions, see "JDK 7 Installation for Linux" at

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

The JDK 7u6 installer is available at

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

If you want to use JavaFX 2.2 on a JDK 6 platform, perform the following:

1. Download the JavaFX 2.2 SDK zip file from <http://www.oracle.com/technetwork/java/javafx/downloads/index.html>
2. Extract the SDK files from the zip file to a directory on your local file system.

Once JavaFX SDK is installed, you should see the following directory structure on your system:

```
javafx-sdk2.2/  
  bin/  
  docs/  
  rt/  
  .  
  ..
```

2.2 Installing NetBeans IDE

NetBeans IDE 7.2 is recommended for the JavaFX 2.2 SDK. 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>

JavaFX Installation for Mac OS X

This page provides information about the installing the JavaFX 2.2 SDK on Mac OS X.

The JavaFX 2.2 SDK for Mac is installed as part of JDK 7 update 6 for Mac. See the JDK 7 update 6 platform requirements and installation instructions, see "JDK 7 Installation for Mac OS X" at

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

The JDK 7u6 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/1.7.0.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.

Installing NetBeans IDE

NetBeans IDE 7.2 is recommended for the JavaFX 2.2 SDK. 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>

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/index.html>

